## 1973 Our 52nd Year 绍承家 <br> 工ATALOG 730

## From LAFAYETTE <br> World Leader in 2 and 4－Channel Hi－Fidelity Equipment

## The Fabulous LR－4000

# TODAY＇S 

Most Sophisticated 4－Channel SQ Hi－Fi Receiver

## STORES FROM COAST－TO－COAST


－Index－Page 418 －Store Addresses－Page 20 －International \＆Industrial Divisions－Page 22


## LAFAYETTE LA-524 SQ Decoder/Auxiliary Amplifier

## Convert Your <br> 2-Channel System to Play The SUPER SOUNDS OF THE 70's...

- 4-CHANNEL SO

AAA 2 YEAR GUARANTEE


- Built-in 4-channel SQ-M Decoder
- 2-channel 60 watt Auxiliary Amplifier

Your present 2 -channel stereo system is not obsolete. By adding the L-524 Quadnaural so Decoder/Auxiliary Amplifier and 2 more speakers, you will hear music as it was meant to be heard-in full 4. channel stereo. Sounds can be heard from any location in your roomIn front of, 10 either side of, and behind the listener. You will be able to play discrete 4 -channel tapes (reet-to-reel and 8 -trach), and the new 4 -channel Sa Records, developed by Columbia, through your system. The LA-524 also features Lafayette's exclusive "Comboser" circult for deriving 4 dimensional sound from conventional 2 -channel

# - DISGRETE 4-GHANNEL <br> - DERIVED 4-CHANNEL 

## Up to 26.35 on Special LA-524 Packages for Converting to 4-Channel SQ

## 2 Criterion 50A Speaker Systems and the LA-524

[^0]99 P 92496 WxM No Money Down ${ }^{*}$.. Net 132.15

## 2 Criterion 100B Speaker Systems and the LA-524

 120 VAC, $50 / 160 \mathrm{~Hz}$. Imported. Shpg. $\mathrm{mt} .10 \mathrm{~V} / 4 \mathrm{lbs}$.99 P 02750w


#### Abstract

records, tapes, and FM broadcasts. The $\mathbf{L A} .524$ cannot be used as a regular 2 -channel stereo amplifier by itself. It also must be used with amplifiers or receivers incorporating a Tape Monitor feature. Music Power Is 60 watts ( 30 per channel) $\pm 1 \mathrm{db}$. Input sensitivity: 275 mv . Main and Remote Speaker Selector for 2 rear channels, 4 position 4. channel Function Switch, and separate Bass and Treble Controls. Front panel stereo headphone jack. Size: $105 / \mathrm{WW} \times 81 / 40 \times 31 / 2 " \mathrm{H}$. For 105/ - Exclusive Master Gain For All

4 Channels Of Amplification




## PLAYS:

## SQ 4.CHANNEL RECORDS

Built-In SQ Automatic Gain Control and Wave Matching Full Logic Circuitry for the ultimate playback of SQ records.

## DISCRETE 4.CHANNEL TAPE

4.Channel Reel-to-Reel Tapes
4.Channel 8-Track Cartridges

4-Channel Cassettes (when available)

## OERIVED 4.CHANNEL SOUNO

Built-in "Composer" circuitry that derives 4 -channel sound from conventional 2-channel stereo records, tapes, and FM broadcasts. Also plays other encoded 4-channel records.

> SQ 4.CHANNEL
> FM BROADCASTS

Wave Matching SQ Full Logic circuitry permits high quality reception of new SQ 4-channel FM broadcasts

## 4 Amplifiers for Reproduction of Discrete and SQ 4-Channel Programs

With Highly Sophisticated 4.Channel Wave Matching Full Logic SQ for the Ultimate Front-to-Rear and Left-to-Right Channel Separation

## LAFAYETTE LR-4000

Lafayette's most powerful and finest compatible d-channel AMIFM Stereo Receiver has been meticulously engineered to render extraordinary 4-channel reproduction now! The LR- 4000 reproduces the exciting 4 -channel sound of Discrete 8 -track cartridges, Discrete reel-to-ree tapes, stereo quad clarity and reatism. Its new highly sophisticated SQ butomatic Gain Control and Wave Matching Full Logic circuitry provides even further separation from front-to-rear \& and left-to-rlght for more dramatic listening. You can readily determine where the predominant solo is coming from. In addition, the LR-4000 derives rich 4 -channel sound from your present 2 -channel stereo records, stereo tapes, and FM stereo broadcasts. Your present prokram sources become more enjoyable than everl The FM stereo tuner AGC
$z$ action and superior cross modulation rejection; Phase Lock-- ing FM Multiplex decoder circuit for optimum stereo sep
\% aration and minimum distortion; AM/FM signal strength tuning meter plus center scale tuning meter for FM fine tuning accuracy; automatic
station logging scale. The front panel also features illumis
nated individual mode indicators; five pushbutton input nated button Main, Remote speaker switches and AC power switch; 2-channel microphone input and tape out Jacks. 3-position Tuner mode selector; 6 position $2-\mathrm{ch} / 4-\mathrm{ch}$ Function selector; Master dual concentric Front/Rear Volume control; dual concentric Left/Right Volume-Balance control for front and rear chamnels; dual concentric Bass, Midrange, and Treble lane controls for front and rear channels; 6 pushbutton and 4 -channel tape recording and 2 -channel dubbing), Stereo/Mono, Loudness. High Filter, and FM Muting; Front and Rear channel Meadphone outputs. The rear panel includes inputs for tape playback and FM Detector output for other possible FMM MPX systems when available; antenna terminals; speaker and line profective fuses; one switched and one unswitched AC outlet, Operates on $105-120$ Volts, finish wood cabinet Size. $21 \mathrm{~W} \times 5 \mathrm{~V} / \mathrm{H} \times 13^{\prime \prime} \mathrm{D}$. Imported Shpg. wt., 49 lbs.

99 P 02941 No Money Down*
Net 499.95

## SPEELFICATIONS

Amplifier: Power Output at 4 ohms: Music
Power $\pm 1 \mathrm{db}$ : 300 -watts; 240 -watts 1 MF ; 190
watts (47.5-watts $x$ 4) RMS (Continuous Power)
$\begin{aligned} & \text { Frequency Response : } 20-20.000 \mathrm{Mz} \pm 1 d \mathrm{~b} \text {; Total } \\ & \text { Harmonic 0istortion: } 1 \% \text { or less at rated output. }\end{aligned}$
Harmonic 0istortion: $1 \%$ or less at rated output.
$07 \%$ at 1 -watti Power Bandwidth: mV. Phono
Cer 140 mV , Tape Play 500 mV , Aux-1 and Aux- 2
250 mV ; Mic 6 mv at 50 kHz . Tape outputs 300
mV (Avg.). Channel Separation: 60db; Output
Impedance: 4 and 8 ohms. Hum and Noise: Aux
-70 db , Phono Mag -60db, Phono Cer -57 db , Tape
Play -83 db . Tuner FM: 4-Gang Tuning Con
Stereo separation: 400 b at $400 \mathrm{~Hz}_{\mathrm{i}}$ Signal-
to-Noise Ratio: 70db. Alternate Channel Selec-
tivily: 60db; Spurious Response Rejection: 950 d ;
Harmonic Distortion: 0.3\% at $100 \%$ Mod; Cap
ture Ratio: 1.5 db ; Cross Modulation Index: 90 db
Antenna: Built-in plus 300 -ohm balanced for ex
ternal antenna. AMs 3-Gang Tuning Condenser,
Terminal Sensitivity: $18 \mu \mathrm{~V}$.

LISTEN TO

## ENJOY EXCITILG 4-Channel Stereo

NOW AND FOR YEARS TO COME!

## AMPLIFIERS

## for Discrete and SQ 4-Channel Programs

## LAFAYETTE MODEL LR-440

- Hear The Thrilling New 4-Channel Program Sources with Amazing Concert Hall Realism!
- Listen to the Exciting Derived 4-Channel Audio in Your Present 2-Channel Stereo Records, Stereo Tapes, and FM Stereo Broadcasts!

The deluxe Lafayette LR-440 compatible 4-channel AM/FM receiver brings to your home the full original periormance in amazing dimensional depth. With it you can listen to the expanded sound of 4 -channel recording, be it Discrete 4 channel 8.Track Cartridge, Discrete 4 -channel reet-to-reel tape, SQ 4-channel stereo quadraphonic records, and So to Channel stereo 4 -M broadcasts. such as conventional stereo records, tapes and FM stereo broadcasts. The LR - 440 can also be used as two independent stereo amplifiers and control center supplying two different stereo sources simultaneously, i.e., record player and tuner, plus remote speakers. The superb FM Stereo Tuner section features dual gate MOSFET RF transistors for exceptional cross modulation rejection and AGC action, AM/FM signa
strength meter automatic FM stereo indicator and famous "Acritune" preclsion FM tuning indicator. The LR. 440 also includes Illuminated selector indicators; separate volume

- Listen to the New SQ 4-Channel FM Broadcasts
- Use It as 2 Independent 2.Channel Stereo Amplifiers for Two Different Stereo Program Sources Simultaneously!
- "ACRITUNE" Precision Visual FM Tuning
controls. left and right balance controls for front and reap channels; 4 -channel bass and treble controls plus headphone jacks for both front and rear channels. panei Tape output jacks; 2 and 4 -channel Input Mode rotary selector: front and rear channel push-button switches for Aux 1, Aux 2, Tuner and Phono inputs, Tape Monitor, Laudness, Stereo-Mono, Hi-Filter, and Mute for minimizing FM Interstation noise); rotary switches for Tuner Selector and Main/Remote speakers or headphone selection; one switched and one unswitched $A C$ outlet on the rear panel. Operates on $105 \cdot 120$ volts, $50 / 60 \mathrm{~Hz}$ AC, whe cabinet. Size: $181 / 2 \mathrm{~W} \times 13 y_{4} \mathrm{D} \times 47 / \mathrm{A}^{\prime \mathrm{H}}$. Imported. Shpg. wt., 30 lbs 99 P 02644 W No Money Down * Net 369.95 Optional Walnut Finish Wood Cabinet For LR-440. 2IP 01517 WX Shpg. wt., 5 los.


## PLAYS:

Discrete 4-Channel Tape
4-Channel Reel-to-Reel Tapes 4-Channel Cassettes (when available)

## SQ 4-Channel Records

An advanced 4 -channel system developed by CBS Laboratories which encodes 4 separate and individual channels on a phonograph record by 440 has this SQ matrix circuit built-in, making it possible to play back all SQ 4 -channel records using this recelver.

## Derived 4-Channel Sound

Bullt-in composer circuitry that recovers 4-Di mensional sound already present in most 2.Chan nel stereo records, tapes and FM broadcasis. Also plays 2 -channel records especially encoded with 4-channel information.

## SQ 4-Channel FM Broadcasts

Built-in SO matrix decoder permits reception of ever increasing number of broadcasts of exciting new SQ 4 -channel $F M$ programs.

See Page 31 For LR-440 4 Channel Systems



Input Function Selector with "COMPOSER" and "SQ."


Pushbutton Inputs

## SPECIFICATIONS

Amplifier Power Output: Music Power $\pm$ 1db 200 Watts at 4 ohms, 125 Watts at 8 ohms. RMS [Continuous Power) 140 Watts [ 35 Watts $x 4$ ] at 4 ohms, 100 Watts [25 Watts $x 4$ ] at 8 ohms. Fre-
quency Response: $20-20,000 \pm 1.5 \mathrm{db}$. THO.: $0.8 \%$ quency Response: $20-20,000 \pm$ rated output. Power B and widh: $15-25,000 \mathrm{Mz}$. Input Sensitivity: Phono Mag. 4.0 mV . Phono Cer. $14 U \mathrm{mv}$ iliave play $9 \hat{u} u$ uit. Auarl and Aun 2250 mV . Channel Separation: 60 db . Output Impedance: 4 alld 8 vlurs. Tuncr FMi 1 Cang Tuning Condenser. Usable Sensitivity [IHF]: $1.65 \mu \mathrm{H}$. Stereo Separation: 40 db at 400 Hz Signai-toNoise Ratio: 70db; Alternate Channel Selectiviy: 60 db . Spurious Response Rejection: 95d
monic distortion $0.3 \%$ at $100 \%$ Mod.; Capture Ratio: $1.5 \mathrm{db}_{\mathrm{i}}$ Cross Modulation Index: 90 db ; Antenna: Built-in plus 300 -ohm balanced fop external antenna. AM: 3 Gang Tuning Condenser, Terminal Sensitivity: $18 \mu \mathrm{~V}$. trademark of Columbia Broadcasting System, inc.

## NOW <br> Everyone can enjoy EXCITING 4 <br> CHANNEL STEREO

| PLAYS: |
| :--- |
| DISCRETE |
| 4-CHANNEL |

SQ
4-CHANNEL
DERIVED
4-CHANNEL

## 4-CHANNEL SQ <br> FM BROADCASTS

## - MM 2 YEAR <br> GUARANTEE

See Page 415 for details

## NEW! LAFAYETTE 85-Watt 4-CHANNEL AM/FM Stereo Receiver Model LR-220

* 4 Amplifiers for Discrete, SQ, and Derived 4-Channel Program Sources
- Listen to the New SO 4 Channel FM Broadcasts!
- Hear the Exciting Derived 4-Channel Sound from Your 2-Channel Stereo Records, Tapes, and FM Broadcasts!
Lafayette introduces this excellently engineered 4-channel AM/ FM stereo receiver at a price everyone can afford! The LR-220 brings to your home the original performance with amazingly
realistic depth. It reproduces the wonderful 4 .channel ssind realistic depth. It reproduces the wonderful 4 .channel sound
of discrete 8 -track carridges, discrete reel-to.reel of discrete 8 .track carridgges, discrete reel-to.-ceel tapes, SQ
stereo-quadraphonic records, and SO FM broadcasts. Its caresuly stereo-quadraphonic records, and SQ FM broadcasts. Its caref fully
destgned $S Q-M$ Decoding elrcuitry achieves signal separarion redestgned SQ-M Decoding circuitry achieves signal separation re-
sulting in dramatic 4 -channel sound. In addition, the LR-220 Sulting in dramatic 4 -channel sound. In addition, the LR-220
derlves rich 4 -channel sound from your present 2 -channel stereo records, stereo tapes, and FM stereo broadeasts. Your present recors, stereo tapes, and FM stereo broadcasts. Your present
2-channet program sources will sound better than evert The ront panel reatures, an extra-wide black-out tuning dial, a signal strength tuning meter, automatic FM stereo indicator, FM/AM logging scale, 4 -channel headphone jacks, as well as rotary se-
lectors for Input source (Aux AM): AC Power/Speaker Selector (Maln, Main + , gemote, Re.


## ONLY <br> $249^{95}$

 with wood casemote, Phones); Function (2.Ch, Composer, so, Discrete, Reverse); Front and Rear Channel Balance; Front and Rear Channel Master Volume; and Front and Rear Channel Bass and Treble. In addition, there are front panel pushbution switches for Tape Monlpantil features 2 and $\alpha$-channel Hi Filter functions. The rear nel tape recorder inputs and outputs. Aux 1 and 2 alx 2 -chanPhono input with MAG and CER slide switch FM Detector inputs. for obsolescence-proof FM broadcast reception, output terminals for external FM antenna, line and speaker protective fuses, and one unswitched AC receptacle. Attractively styled brushed brass front panel and watnut-finish wood cabinet. Operates on $105-120$
 g. Wt., 21 lbs

99 P 02933W No Money Down*
Net 249.95

## AMPLIFIER: Power Output at 4 ohms: 85 watts Music Power $\pm 1016$; 68 -watts IHF 4h-Watts RMS (11-watts $x^{x}$ 4). Frequency Response (at 1 -watt) $20-20,000 \mathrm{~Hz} \pm 1.5$ db. Total Harmonic Oistortion 88 ohms 1 kHz): $1 \%$ or less at rated power, $0,125 \%$ Phono Mas: 4 mV , Phono Ceramic: 150 mv ,

See page 34 for LR-220 4-Channel Systems.

Hum and Nolse: Hi Level
Level: - 55010 Channel Lev: -70 db , Low at 400 Hz . Signal-to-Noise Ratlo: 60 db TUNER; FM Rangei $88-108 \mathrm{MHz}$. Sensitty- $650 \%$ Modulation). Spurlous Rejection: ity: $2.5 \mu \mathrm{~V}$. Frequency Response: $50-15,000$ External Antenna Impedance. 300 onm mV . $\mathrm{Hz}_{4} \pm 2 \mathrm{db}$. Harmonic olstortion: $0.7 \%$ anced. AM: 3-Gang Tuning Condenser ( $400 \mathrm{~Hz}{ }^{100 \%}$ modulation, 1 mv input). Range: $535-1605 \mathrm{hHz}$. Sensifivity (Antenna Selectivity (Alternate Channel). 40 do. Cap- Terminals): $20 \mathrm{\mu V}$. Signal-to.Noise Radio: ture Ratio: 3db. Stereo Separation: 35 db 45db. Selectivity: 40 db .


METER: Indicates rela. tive $A M$ or $F M$ signal strength and tuning ac. curacy.

## stereo

AUTOMATIC FM STEREO INDICATOR: AU. tomatically switches to stereo mode and lights
when you tune to a when yout
stereo station.


SPEAKER SWITCH: For selecting between Main and Remote, Main or Remote plus Head phones.


## Our Best Amplifier Features Advanced SQ-Logic Decoding Circuitry for Outstanding Playback of 4-Channel SQ Discs

SPECIFICATIONS
Power Output: Music Power: $\pm 1 \mathrm{db} 200$ watts at 4 ohms. 125 -watts at 8 ohms; RMS POwer: 130 watts (32.5W x 4 ) at 4 ohms, 94 .wath Total Harmonic onstortion: $0.8 \%$ at rated output: power Bandwidth: $15-25,000 \mathrm{~Hz}_{2}$; Frequency response: 20 $20,000 \mathrm{~Hz} \pm 1.5 \mathrm{db}$; Input Sensitivity: Aux. 1 and Aux-2 250 mv , Phono Mag . 3.5 mV , Phono Cer. 125 mv , Tuner 500 mV , Tape Play 500 mV , Hum and Noise: Aux $-70 \mathrm{db}_{\text {, Phono Mag. }}$ - 57 db . Tuner -70db. Tape Play -83db; Channel separatlon: 60db; Semiconductors: 4 FET's, 62 Transistors, 19 Oiodes, 4 Thermistors

$\star 4$ Powerful Solid-State Amplifiers

Our best 4. channel stereo amplifier incorporates advanced SQ Our best 4-chan circulty for the playback of the new 4-channe so records developed by Columbia. Automatic Gain Control SQ Logic circuitsy provides greater front-to-back separation and Increases the presence of the front-center soloists. Its 4 power ful amplifiers also reproduce the marvelous 4 -channel sound of discrete 8 -track cartridges and discrete reel-to-reel tapes. addition, the LA-64 enables you to enjoy your present 2 -channel stereo records, tapes and FM broadcasts through its "Composer circuitry to derive 4 -channel sound. matrix circuits. The LA-64 compalso be operated simultaneously as two independent 2 -chan nel stereo ampliffers supplying two locations from two different stereo sources, l.e.: plays records thru a changer in one room, plays tapes thru a recorder in another room. Its neatly designed front panel features rotary selector switches for Function Mode (Front, Composer A \& B, SQ, Stereo, Reverse, and F + R): concen See page 35 for LA-64 4-Channel Systems.
onlr $199^{95}$
tric Left and Right, Front and Rear Volume controls; and concentric Front and Rear Bass and Treble controls. Also featured on the front panel are pushbutton switches for Aux , Aux uner, and Phono inputs; On/ Off Froni and Rear chamer pust Main Main and Remote speaners; as well Phone Jacks for private put Jacks, and Front and rear chane 2 and 4 -channel speaker outputs; Tape Record and Play jacks; inputs for Phono (CER \& MAG), Tuner, Aux 1, and Aux 2 (Tape Deck, etc.). Also included on the ear are speaker and line protective fuses and one switched plus one unswitched AC receptacle. The LA-64 is neatiy styled and enclosed in a rich simulated walnut-finish metal case. Operates on $105-120$ Volts, $50 / 50 \mathrm{~Hz}$ AC. Size: $131 / 2 \mathrm{~W} \times 4 \mathrm{H} \times 94 / \mathbf{N a}^{\prime 0} \mathrm{O}$. Shpg. wt., 21 Ibs. Imported.
99 P 02784W No Money Down*

PLAYS: DISCRETE 4-CHANNEL

SQ
4-CHANNEL

DERIVED
4.CHANNEL

## MM 2 YEAR

GUARANTEE



## LAFAYETTE 40-Watt 4-CHANNEL SQ Stereo Amplifier

$\star$ SQ-M DECODING CIRCUITRY FOR PLAYING ALL 4-CHANNEL SQ RECORDS $\star 4$ SEPARATE SOLID-STATE AMPLIFIERS

- Main and Remote Speaker Selection

An excellent 4 -channel stereo amplifier at an amazing low pricel The LA-222 features ducing the excitingly circuitry for repro. sound of the increasingly abundant "SQ" Stereo Quadraphonic records. In addition the LA- 222 reproduces the fulfilling 4 . channel sound of discrete b-track cartridges and discrete reet-to-reel tapes. The LA-222 also derives 4-channel sound from your 2 channel stereo records, tapes ${ }^{\text {l }}$, and FM broadcasts through its "Composer" circuitry. The 4 -channel matrix circuits. The front other features rotary selector switches for Function Mode, concentric volume controis for Left. Right, Front. and Rear channels, and
master Front and Rear channel Bass and Treble controls. Also featured on the front panel are rocker switches for Mono/Stereo Soudness, Hi Filter. Front (Main/Remote) Speakers, and Rear (Main/Remote) Speak ars, A 2 channel stereo headphone jack is al for Speakers, 4-channel discrete and 4 . channel decoded tape out, inputs for Aux (for tape deck), Tuner, Phono (Cer. and Mag.), and speaker and line protection fuses. The LA-222 is neatly styled and enclosed in a simulated walnut finish metal case, Operates on 105-120 VAC, $50-60 \mathrm{~Hz}$ wt., 14 lbs . 99 P D2800W

Net 129.95


Power Output: 40-Watts +1 db at 8 ohms Fre. quency Response; $20-20.000 \mathrm{~Hz}$, 1.5 db ; Tota Harmonic Distortion at $1 \mathrm{kHz}, 8$ ohms, $1 \%$ at rated power, $0.15 \%$ at 1 Watt; Input Sensltivity: Aux $=250 \mathrm{mV}$, Tuner $=500 \mathrm{mV}$. Phono $\mathrm{Mag}=$ 4 mv . Phono Ceramic $=125 \mathrm{mV}$. Hum and Nhiser Hi lovel - TOLL, Luw level = 55 db Transistors 5 Oiodes, 63 d . Semiconductors: 40

LAFAYETTE LA-44 170-Watt 4.CHANNEL Stereo Amplifier

Now you can hear the full performance in true dimensional depth, not just a part of it . . . from discrete 4 -channel 8 -track cartridges, and discrete 4-channel reel-to-reel tapes. Features input for external 4-channel "SQ" Adapter to play popular, exciting 4-channel "SQ" records, no additional stereo amplifier is required. Designed for the utmost in compatibility, the W. 44 also Incorporates the "Composer" circuit which derives rich 4 -channel sound from, your present conventional 2 -channel stereo records, stereo tapes, and FIM stereo broadcasts. In addition the LA-44 can be used as the heart of two completely independent stereo systems, supplying iwo different stereo programs to two different locations from two different stereo sources simultaneously, l.e., phono and tuner plus the flezibility of additional remote speaker locations for each pair of channels. The LA-44 features a wealth of versatile controls to suit the most demanding acoustic requirements and personal tastes, l.e., separate volume controls for front left and front right channels, rear left and rear right channels; separate Bass and Treble controls for front and ear channels. Headphone jacks for front and rear channels; front and rear channel tape output jacks provided on both tront and rear of amplifier chassis for your convenience; a "Reverb" position for use with an external reverberation unit to the rear channels. The rear panel features input jacks for 2-channel and 4-channel siereo for tape playbach, magnetic and ceramic phono, tuner, Auxlliary I and Auxiliary II ; maln and remote speaker outputs for all our channeis. Includes one switched and one unswitched convenience outlet. Operates on $105-120$ volts, $50 / 60 \mathrm{~Hz}$ AC. Size: $134 / 2 \mathrm{~W}$ a $4 \mathrm{H} \times 91 / \mathbf{N}^{*} \mathrm{D}$. Imported. Shpg. wt., $16 \mathrm{~V} / \mathrm{ibs}$. 99 P 02537w No Money Down* LA-44 plus SO-M. Shpg. wt. $22 \mathrm{t} / 2 \mathrm{lbs}$. 22 P gos26WXM No Money Down ${ }^{2}$ SO-M 4-Channel Decoder. Shpr. Wi., 4 ibs. So-M 4-Channel Decoder. Shpr.
99 P 02768 No Money Down.

Net 164.95 Net 169.95

Net 44.95 See Page 37 for LA. 44 Matched Money Saving Stereo Systems


## 4 AMPLIFIERS IN 1

## PLAY

Discrete 4-Channel Tapes
4-Channel SQ Records with Optional SQ Decoder

## DERIVE

4-Channel Sound From 2-Channel Stereo Records, Tapes, FM Broadcasts.

## ONLY <br> 109 ${ }^{95}$

## AAA 2 YEAR GUARANTEE

See Page 415 for Details

## SPECIFICATIONS

Power Output: 40 -watts $\pm 1 \mathrm{db}$ at 8 ohms. Frequency Response: 20$20,000 \mathrm{~Hz}, \pm 1.5 \mathrm{db}$; Total Marmonic Distortion at $1 \mathrm{kHz}: 8$ ohms, 1 -watt, $0.125 \%$; Input Sensitivitys Aux. 275 mV , Tuner 500 mV , Phono Mag. 3.5 mv , Phono Ceramic 125 mV ; Hum and Noise: Hi-level, -70 db . Low level. -55 db ; Channel Separation: 63 db .


## Lafayette LA-2525 40-Watt 4-Channel Stereo Amplifier

The Lafayette Model LA- 2525 combines 4 outstanding amplifiers with 4 -channel control circuitiy to reproduce discrete 4 -channel programs trom 4 -channel 8 -track tape cartridges grams from 4 channel $d$-track 4 -pe cartidges and t-channei reet-io-reel papes. "sar" 4 -channel Steres Guadraphonic records with optional So 4-Charnel decoder. Its "Composer" circuit derives rich four channel sound from your present 2 -channel stereo records, stereo tapes, and FM stereo broadcasts. You get much greater enjoyment from your 2 . channel stereo program sources, from the ever growing supply of 4 -channel SQ stereo records and discrete 4 -channel tapes. The La-2525 incorporates a full complement of front panel controls for selection of input
sources, 2-Channel and 4-Channel Functions, Front and Rear Speakers, Mono/Stereo Mode, Loudness, Hi Fitter; and for varying the Votume of the leff and right, front and rear channels, as well as the Bass and Treble of the front and rear channels. A headphone jack for 2 -channel stereo silent listening is also included. The rear panel includes Aum, Tuner, and Phiono inputs, Tape Record inputs and outputs as well as speaker outpuls. Operates on $105.120 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Size: $43 / \mathrm{H}^{2} \times 134 / 2 \mathrm{~W} \times 83 / 4^{n} \mathrm{D}$. Imported. Shpg. wt. 14 los.
99 P 02628w No Money Down* ... Net 109.95
See Page 37 for LA- 2525 Matched MoneySaving Stereo Systems.

## It's EASY to Convert Your Present Stereo System to Play:

| SQ | DISCRETE | DERIVED |
| :---: | :---: | :---: |
| 4-CHANNEL | 4-CHANNEL | 4-CHANNEL |

## - A 2-CHANNEL STEREO SYSTEM REQUIRES ADDING AN SQ DECODER, AN ADDITIONAL STEREO AMPLIFIER, AND 2 MORE SPEAKERS <br> - 4-CHANNEL SYSTEMS NOT INCORPORATING SQ CIRCUITRY ONLY REQUIRE AN sa decoder

## Deluxe LAFAYETTE SQ-L 4-Channel SQ Logic Decoder <br> $79^{95}$ <br> WITH ALL CONNECTING cables



- Advanced SQ Logic Circuitry Increases Front-to.Back Separation
- 2 Input Sensitivity Controls
- 4-Channel Tape Output And Input Jacks
- Master Gain Control For All 4-Channels Of Amplification

A deluxe SO Decoder featuring highly advanced logic circuitry for playing the new 4 -channel Quadraphonic Records developed by Columbia. The SQ 4 -channel record provides 4 separate channels of information, one for each of the 4 -speakers. The 4 channels are distinct and different, one from another, resulting in absolutely the most realistic and brilliant sound you've ever heard in your listening area. In 4 -channel SO reproduction, the use of SO logic circuitry increases the vital center front-to-back separation as well as vastly increasing rear channel separation. SO records can also be broadcast on FM stereo radio and received in the home when using the SQLD Decoder. The SQ-L teatures direct inputs for discrete program sources, 4-channel

Tape Recorder Input and Output jacks, 2 input sensitivity controls on the rear panel, and an AC convenience outlet. A Master Gain Control on the SQ-L Decoder adjusts the sound level for all 4.Channels, also includes the exclusive Lafayette "Composer" circuit for deriving 4 -channel sound from conventional 2 -channel records, tapes, and FM broadcasts. The Composer also makes the $S Q . L$ compatible with all other 4 -channel matrix circuits. SQL Decoder must be used with amplifiers or receivers incorporating a Tape Monitor feature: Size: $3 H \times 88^{11} \times 8 \times 8 / 8^{\prime \prime} \mathrm{D}$. For $105-120 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Imported. Shpg. wt.,. 9 lbs.

99 P 02776W No Money Down*
Net 79.95

## LAFAYETTE SQ-M 4-Channel SQ Decoder <br> <br> $44^{95}$ <br> <br> $44^{95}$ <br> <br> WITH ALL <br> <br> WITH ALL <br> <br> CONNECTING <br> <br> CONNECTING CABLES

 CABLES}

- Master Volume Control For All 4-Channels Of Amplification

The SQ.M is an inexpensive SQ Decoder for converting your present Hifi system to play the new exciting 4 -channel $\$ 0$ records developed by Columbia. Includes Master Gain Control to adjust the sound level for all 4 channels of amplification. In. corporates a magnetic phono input for use with amplifiers or receivers that do not have a magnetic phono input feature. A 2 -channel stereo system requires adding an additional stereo amplifier, 2 more speakers, and the SQ-M Decoder. Present 4 . channel systems not incorporating SQ circultry only require an

SQ.M Decoder. FM 4-channel broadcasts in SQ can be received by your present system with the aid of the SQ.M Decoder. Alsn features the Lafayette "Composer" circuit for deriving 4 -channel sound from 2 -channel tapes, records, and FM Broadcasts. The "Composer" is also compatible with all other 4 -channel matrix circuits. Size: $6 \mathrm{~W} \times 27 / 6 \mathrm{H} \times 71 / 4$ "D. For $105-120$ VAC, $50 / 60 \mathrm{~Hz}$. Imported. Shpg. wt., $41 / 4 \mathrm{lbs}$

99 P 02768 No Money Down*
Net 44.95

## CONVERT to a DERIVED 4-Channel Stereo System with the LAFAYETTE QD-4 4-Channel Adapter



- Derive 2 Extra Channels From Your Records, Tapes, and FM Broadcasts
- Does Not Require An Additional Stereo Amplifier
- Features Exclusive Lafayette Geared Control Mechanism

Add the Lafayette 4-Channel Stereo Adapter and two additional speakers to any existing stereo amplifier or receiver and enjoy multi-dimensional derived 4 -channel stereo sound from regular 2-channel stereo records, tapes, and FM broadcasts. The QD-4 adapter actually recovers "reflected" sounds that already exist on regular stereo recordings but are "hidden" during conventional 2 -channel stereo playback. During a sterea recording session, the microphones pick up two types of sounds: direct and reflected, both of which are always included on a stereo recording. Because of the limitations of a conventional stereo system with 2 speakers in the front only, the reflected sounds are not reproduced. The Lafayette QD. 4 recovers these "reflected" sounds and reproduces them thru two additional rear speakers along with the direct sound from the existing front speakers.

This adds a dramatic new dimension to all existing 2 -channel stereo programs. Unlike other matrix adapters, the QD. 4 preserves full channel separation and does not require an additional stereo amplifier. Connects to any standard stereo amplifier or receiver and 4,8 , or 16 ohm speakers. The adapter has a 4 -position Function switch (8alance. 4 -CH, Front Speakers, Rear Only), plus a Rear Level Control. Phono jacks on rear for easy hook-up to 4 speakers and amplifier/receiver. 3 pairs of cables supplied. One 6 ft . pair for adapter to receiver, one 15 ft . pair for adapter to front speakers, one 25 ft . pair for adapter to rear speakers. Dimensions: $5 \frac{3}{4} \mathrm{~W} \times 4 \pi \mathrm{~K}^{\mathrm{D}} \times 27 / 2 \mathrm{H}$. Imported. Shpg. wt. $4^{3 / 4} \mathrm{lbs}$.

# Convert Your 2-Channel System to a Derived 4-Channel Stereo System with the QD-4 Adapter and 2 More Speakers 

## 2 Criterion 25A Speaker Systems and the QD-4

## time \& again

 THE CHOICE OF THOSE WHO KNOW
## LAFAYETTE LR-1500TA

Deluxe Solid-State AM/FM Stereo Receiver



## AAA 2 YEAR GUARANTEE

## Lafyevete's Wirdely Achaimed LR-1500TA

## with ACRITUNE Precision Tuning Indicator \& COMPUTOR-MATIC Automatic Overload Protection

240 Watts $\pm 1 \mathrm{db} ., 190$ Watts (IHF); 140 Watts RMS (70 Watts $\times 2$ ); at 40 hms
IHF FM Sensitivity $1.5 \mu \mathrm{~V}$
Automatic Stereo FM Switching

- Adjustable Automatic FM Interstation Muting - Center Channel Monaural Output
- 4 IC's, 5 FET's, 39 Transistors, 35 Diodes Bullt-in AM and FM Antennas
- Illuminated Selector Function Indicator Jewels - Exclusive Front and Rear Panel Tape Output Jacks - Massive, Regulated Power Transformer Insures

Proper Tuner/Amplifier Operation


#### Abstract

The popular choice of those who prize outstanding audlo performance, the IR-1500TA who prize outstanding audio performance, the LR-1500TA stereo receiver is expressly engineered to blend the ultimate in high fidelity sound with long life, and space.age reliability. In addition to its comlong life, and space-age reliability. th addition to ins chent of fine quality transistors the LR- 1500 incles 4 Integrated Circuits (IC's) and 5 high-performance Field Effect transistors to provide truly sterling FM stereo recepion and audio reproduction. You'll hear more stations-the weak as well as the strong, with amazing, noise-free clarity and tonal purity! Features patent pending computer de signed protective circuitry for virtually foolproof protection against burnout or failure of audio driver and power output transistors, and "ACRITUNE" circuitry for folproof visual tuning accupacy. Utilizes a complete set of automatic and tuning accuracy. Utilizes a complete set of aulomatic and ing; sharp, adjustable Muting circuit to silence the receiver when tuning between stations; dual system speaker switch which permits enjoyment of stereo in one or two rooms separately or simultaneously; direct tape monltor switch and tape monitor jeweled indicator light for tape monitoring without changing cable connections; a front panel stereo headphone jack for enjoyable private stereo tistening; and a center channel low level output for monaural amplifler and speaker. Separate input jacks provide cor switchable nign, ridge inputs. AM if section has a separate 3 -gang tuning condenser and if stage to accommodate the full sound potential of standard AM broadcasting. Incorporates built-in FM and AM antennas plus connections for external local and distant FM and AM antennas. Distinctively styled to enhance any decor. Features a handsome gold anodized extruded aluminum front panel with matching knobs and with the simulated look of rich walnut wood-spain. For 117v., $50 / 60 \mathrm{~Hz} \mathrm{AC}$. Imported. Size $163 / 6 \times 49 / 8 \times 141 / 4^{\prime \prime}$. Shpg. wt., $341 / 6$ lbs.

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| acitor and four tuned |  |
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you of top performance for years to come.

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## LAFAYETTE 100-Watt AM/FM STEREO RECEIVER

Speaker Mode Selector Switch: Selects Main Speakers, 4 Di mensional Speakers with Volume Level A or $B$ on rear
speakers, Main olus Remote speakers, Remote speakers only and Headphones only.

Automatic FM Stereo ndicator: Lights when uned to a stereo broadcast.


## Pushbutton Function switches.

 For actlvation of Lowdness, Stereo/Mono, Tape Monitor, High Fllter, and FM Mute Functions.- Derives Exciting 4 Dimensional Sound From Your 2

Channel Stereo Records, Tapes and FM Broadcasts!

- Plays 2-Channel Stereo Records, Tapes, and FM Broadcasts with Exceptional Quality
- IC's and FET's for Quality FM Performance and Ex. - Two Level Positions on 4 Dimensional Rear Speakers tended Audio Tonal Range
for Easy Level Adjustment
- Oual-Gate MOSFET's in RF stage with AGC Minimizes Front End Overloading and Improves Selectivity

A superbly engineered AM/FM receiver with highly flexibl and compatible features! The LR-810 performs outstandingly In playing present 2 -channel stereo records, stereo tapes, and FM stereo broadcasts and derives amazing 4 Dimensional sound from these program sources with its special Decoder circult. Designed with bullt-In Tape Monitor cir cultry that permits you to add a Decoder/Amplifier (such as play the new Discrete 4 -channel any lime in the future to play the new Dlscrete 4 -channel stereo cartridge and reeldant 4 -channel "SQ"" records. Features two position level control for rear speakers in the " 4 Dimensional" Speaker Mode permitting variation of rear speaker volume. The FM tuner section features a Muting circuit that minimizes inter. IF fition nolse when tuning FM stations, ceramic AM and FM IF filters for superior station selecivilty; and dual-gate Gain Control, RF selectivity, sand prevention of sumamatic loading. Front panel features a signal strength tuning meter
to guide AM and FM luning; an automatic FM stereo indl cator light; rotary selector switches for Speaker Mode. Pro gram source Input (Aux, Phono, FM MPX Filter, AM) Balance; pushbutton swltches for Loudness, Stereo/Mono Tape Monitor, Mi Filter, and Mute functions; tape recorde output jack and stereo headphone jack. The rear panel in cludes Main and Remote speaker outputs for 2-channe stereo, or, Front and Rear speaker outputs for derlved 4 Dimenslonal operation; tape recorder output jacks. Inputs Magnetic or Ceramic phono: protective fuses for speakers and AC line. Internal and external AM and FM antenna terminals; one switched and one unswitched AC receptacles For $105-120$ Volts, $50 / 60 \mathrm{~Hz}$ AC, Slzes $144 / 2 \mathrm{~W} \times 41 / 2 \mathrm{H} \times 10 \mathrm{~V} / 2^{\circ} \mathrm{D}$. imported. Shpg. wt., $181 / 2 \mathrm{lbs}$
99 P $02818 W$ No Money Down* Net 188.08 olled Walnut Woor cabinet for Lh. 810 . Shog. wh., $61 / 2$ ibs

Ampllfier: Power Out Ampilfier: Power Output at
4 ohms: Music Power $\pm 1$ do 40 ms : Music Power $\pm$ Ido
100 -watts: IHF 84-watts; RMS 53-watts (26.5-watts 2). Freq. Response: $\mathbf{2 0 . 2 0}$ $\mathrm{KHz}_{2} \pm 100$ at 1-watt; Total Harmonic oistortion at rated power: $1 \%$ or less, at 1. watt, ${ }^{\text {kHz: }} .07 \%$ Input Phono Mas a 5 my 250 mv , Chonomic 145 mv , Tape MonHer 500 mV ; Hum B Nolse: Phono Mag - 56db, Aux 75db, Tape Play -85db; Output Impedance: 4 and 8 ohms, Headphone 8 ohms. Tuner: FM: Range 88.108 MHz , 98 SHz ilternate Channei selectivitys 60 db ; Signal-to-Molse Ratio: 70db: HO: $0.5 \%$; Capture Ratio: 1.5 dbi stereo MPX separa. tion: 40db ( 400 Hz ); Spurtous Response Rejectlon: 10000. AHs Range: $535 \cdot 1605$ sitivity $20 \mu \mathrm{~V}$. Image Re lectiont 70 db at 1 MHz



## An Introduction to 4-Channel Sound

4-Channel Sound is the latest advancement in recording technology. 4 channels make recorded sound more natural and realistic than ever before. Four channel stereo makes you more of a participant in music than has ever been possible. Never before could you actually reproduce in your home the original recorded performance as it happened-you can have the spatial quality of the original concert hall right in your own living room-or you can literally be placed in the middle of a folk or rock session with your favorite singer or group. 4 -channel stereo comes on tape, on records, and over the air via FM stereo broadcasts. There are 3 basic kinds of 4 -channel sound: SQ, Discrete, and Derived.

## (1) 4-Channel SQ

For the playback of 4-channel Phonograph Records, and the broadcast of 4-channel sound via FM
A method, developed by Columbia (CBS), of recording and playing back 4 separate channels of musical information on a phonograph record (disc). This is accomplished by a system of encoding 4 separate channels onto a stereo record groove. 4 -channel SQ records can be broadcast via FM stereo. Playback equipment with SQ circuitry decodes the original 4 channels and reproduces them through 4 separate amplifiers and 4 separate speakers. No special record changer or cartridge is required. There are 3 types of 4 -channel SQ circuits:

## 1-SQ-M <br> 2-SQ Logic <br> 3-SQ Wave Matching Full Logic

Each of the above circuits, reproduce 4 -channel SQ sound by separating the 4 signals into front left, front right: rear left and rear right. The SQ-M is a matrix SQ circuit used in fow power Lafayette amplifiers and receivers for producing the basic SQ 4-channel signals. The SQ logic circuit, used in moderately powered Lafayette equipment, increases the separation of the two rear channels while retaining full separation of the front channels and greatly increases the important center front to center rear separation. $S Q$ wavematching full logic, found in high power Lafayette receivers, is a highly sophisticated circuit that provides the ultimate in 4-channel separation between all four channels. Conventional 2 -channel systems can be converted to 4 -channel SQ systems by adding a Lafayette SQ decoder/amplifier and 2 more speakers. 4-channel systems not incorporating SQ circuitry can be converted to 4-channel SQ systems by adding a Lafayette SQ Decoder.

## (2) Discrete 4-Channel

A method presently limited to tape, in which the 4 separate signals are recorded onto 4 separate tracks, which in turn are played back by a 4 -channel tape machine. This form of 4 -channel sound is produced from any 4 -channel stereo tape, whether cartridge or reel (and, in all probability, in the not too distant future cassette). You require 4 channels of amplification and four speakers in addition to the 4-channel tape machine.

## (3) Derived 4-Channel

Conventional 2-channel material-records, reel,lcartridge and cassette-whether played directly or when broadcast on FM stereo-contains special information not adequately reproduced by the conventional 2-channel stereo system. This material is "Ambience"-the original acoustics of the recording studio or concert hall, etc. This ambience can be extracted and reproduced through 2 additional channels to recreate the sound and feel of the hall or studio in which the original performance took place. Most Lafayette equipment contains our exclusive "Composer" circuitry for deriving this type of 4-channel sound. If you now own a 2 -channel stereo system without our Composer or other manufacturer's adapters, you may achieve derived 4 -channel 4 -dimensional sound by adding a Lafayette QD-4 adapter and 2 speakers. No additional amplifiers are needed.

## About Wattage Ratings of Amplifiers

Consideration is being given industry-wide, to the establishment of a standard method of designating wattage. This catalog uses the method of rating commonly in use for the past 3 years-i.e., $\pm 1 \mathrm{db}$. For your guidance we are publishing below a sample chart which gives the approximate equivalents of the various systems of rating for the same amplifier power.

## Rating System

$\pm 1 \mathrm{db}$
IHF
RMS

## Power Output

15 watts
12 watts
10 watts

RMS - (Root Mean Square) - defines an amplifier's continuous power capability with a pure tone of a single frequency.
IHF - Measured in accordance with established Institute of High Fidelity Standards - defines an amplifier's complex wave forms power capability. Rating is usually $20 \%$ higher than RMS.
$\pm 1 \mathrm{db}$ - Used by most Hi-Fi manufacturers-rating is $25 \%$ higher than IHF.

# 3 CONVENIENT WAYS TO SHOP 

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(Opp. Fairmont Foir)
Phone: 315 488-4921
SYRACUSE (EAST) 2544 Erie Blvol. Eost (East of Midler Ave.)
Phone: 315 446-3800
WESTBURY
540 Old Country Rd. - Corner Ellison Ave
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- Thermalloy


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- General Radio Variacs ${ }^{\circ}$


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MDDEL LA-150

## $149^{95}$ <br> With Case

AAA 2 Year guarante

## See Page 415 for Details

|  |
| :---: |

## LAFAYETTE 160-WATT STEREO AMPLIFIER

* Derives Exciting 4 Dimensional Audio From Your 2-Channel Stereo Records and Stereo Tapes with Built-In Derived 4 Dimensional Adapter
* Plays 2-Channel Stereo Records and Stereo Tapes with Exceptional Clarity
- Tape Monitor Circuit Permits Subsequent Addition of Lafayette LA. 524 or LA-975 For Playing Discrete 4.Channel and 4.Channel SQ Program Sources
- 2 Front Panel Microphone/Musical Instrument Input Jacks
- High-Gain plus Low-Gain Tuner and Phono Inputs

An exceptional professionally engineered stereo amplifler with more than adequate audio power for even the
lowest efficiency speakers. Iowest efficiency speakers. The LA-150 is outstanding
in its reproduction of present 2 .channel stereo in its reproduction of present 2 .channel stereo records and stereo tapes as well as in Its derivation of exciting
and highly enjoyable 4 dimensional audio from these records and tapes. In addition this audio from these signed stereo amplifier features bulit-in tape monitor clicultry that permits you to add a stereo amplifier such as the Lafayette LA-524 or LA-975 anytime in the future to play the popular and increasingly abundant 4 -Channel SQ Records and the new discrete 4-channel stereo cartridge and reel-to-reel tapes. A full range of front panel controls provide full flexibility of operation to ensure
the finest sound reproduction and to please the most exacting personal tastes and room acoustics. Amont these are rotary controls for operating Mode, Program

Source Selector, concentric Bass and Treble, dual Bal ance/Volume, and Speaker Mode. Also featured on the Hiont panel are pushoutton switches for Low Filter and noise, Loudne reduce low frequency and high frequency reproduction ass Level A \& Level B to produce realistic Musical instrument input jacks, stereo Tape Output lack and stereo headphonot jacks, stereo Tape Output lack, rear panel includes outputs for 2 -channel listening. The dimensional audio speakers and stereo tape record 4 outs for tape play, Aux, high-gain and low-galn Tuner and magnetıc and ceramic phoco; high and low phono sensitivity slide switch; prutective fuses for speakers and $A C$ line; and one switched and one unswitched $A C$ receptacle. Operates on $105-120 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Size: $13 \times 37 / x^{\times 91 / 2 " . ~ I m p o r t e d . ~ S h p g . ~ w t ., ~} 191 / 2$ los.
99 P $02834 \mathrm{w}^{\prime}$ 99 P 02834W No Money Down*.......... Nel 149.95

NEW WITH BUILT-IN CIRCUIT F口R 4 ? dimensional stereo


SPEAKER MODE Selects Main Stereo Speakers only, Level A $\&$ Level $B$ of 4 Remote Speakers, Remote Speakers only, or Phones only.

## MIC/MUSICAL

 Connects to microphone or musical instrument pick-up for reproduction through amplifier.

Pushbutton switches select Low Filter High Filter, and Loudness Levol a \& 0


## LAFAYETTE 100-WATT SOLID-STATE STEREO AMPLIFIER <br> Model LA-950

$\star$ Derives Room Filling 4 Dimensional Sound From Your Present 2-Channel Stereo Records, Tapes, and FM Broadcasts

* Excellent Playback In 2.Channel Stereophonic Sound of all Stereo Program Sources
- Tape Monitor Switchable Circuitry for Future Addition of SQ Decoder/Amplifier (Lafayette LA-524 or LA.975) for Playing 4.Channel SQ Records and Discrete 4-Channel Tapes

High quality all solid-state 2 -channel stereo ampllfier provides excitingly rich 4 Dimensional sound from your present 2 -channel stereo records, tapes, and FM broadsound. The LA-950 features a built-in 4 Dimensional Decoder circuit which provides two extra "rear" channels of sound and requires adding just a pair of rear speakers In addition to the front main speakers. with all four speakers operating, the sound reproduction will take on an excitingly reallstic, multidimensional quality that is characterlstic of a "live" performance. Features convenlent front panel switches to adjust the level of the "rear" speakers; pushbutton switches for Main Power, Loudness, Stereo/Mono, Tape Monitor, ound and Rear panel Tape Recording Output jacks; and

- 4 Dimensional and 2-Channel Stereo Sound Speaker Selection
- Front and Rear Panel Tape Output Jacks
- Front Panel Stereo Headphone Jack for Private Listening
dual concentric Bass, Treble, and Volume/Balance con trols. Speaker Mode switch selects: Maln Speakers, 4. Channel Rear speakers-Levels $A$ and $B$, and Remote Speakers. A stereo headphone jack is provided on the front panel. The rear panel includes input jacks for Phono (Magnetic or Ceramic). Tuner. Aux, Tape Play, and an output for Tape Record. Both channels are fused for protection against shorts and overloads. 1 -Switched and 1-Unswitched AC convenience outlets are included. The LA-950, Is tastefully styled with a brushed gold anodzed Conine for 105 VAC 50/60 Hz Size: $12 \mathrm{w} \times 33 / \mathrm{M}$ $91 /{ }^{\prime \prime}$ D. Imported. ShDg, wi., $121 / 2 \mathrm{los}$
g9 P 02792w No Money Down
Net 107.95


## SPECIFICATIONS

Music Power $\pm 1 \mathrm{db}$. 100 watts ( 50 Wuste Power $\pm 1 \mathrm{db}: 100$ watts ( 50 Watts $x$ 2) at 4 ohms, RMS: (26.5 Watistortion at rated power ( 1 kMz ). $1 \%$ or less: at l-watt output: $07 \%$. Power Bandwidth: $15-30,000 \mathrm{Mz}$.Froquency Response at 1 -watt: 20 . $20,000 \mathrm{~Hz} \pm 1 \mathrm{db}$. Channel Separation: 65db at 1 kHz . Input Sensitivity: Aux 250 mV . Phono Cer 120 mV . Phono Mag 3.5 mV . Tuner 500 mV , Tape Play 500 mV . Num and Noise: HI Level -75db, Low Level -630b. Semiconductors: 2 FET's 16 Transistors, 6 Diodes, 2 Thermistors.



## LAFAYETTE 50-Watt Solid-State Stereo Amplifier


$\star$ Provides 4-dimensional stereo sound from any conventional stereo record, tape or FM stereo broadcast
$\star$ Plays conventional 2 -channel stereo records, tapes and FM broadcasts with superior reproductive quality

- Built-in Derived 4-Dimensional Stereo Adapter
- Rear Speaker 4-Dimensional Volume Level Switch
- Main-Remote Speaker Switch
- Front Panel Stereo Headphone Jack
- Attractive Front Panel Plus Simulated Walnut Case

A popular stereo amplifier with built-in circuitry for deriving thrilling 4 dimensional sound from your present 2 -channel stereo pecords, stereo tapes, and FM stereo broadcasts. Built-in adapter circuitry permits two extra "rear" channels of sound-all you need are two rear speakers in addition to the front main speakers. The LA-375 aiso plays conventional 2-channel stereo records, stereo tapes, and stereo FM broadcasts (from FM stereo tuners) with outstanding reproductive quality. The LA-375 will drive most speaker systems to maximum volume while maintalning very good frequency response and low distortion. It features fused output iransistors for protection against overloads, and front panel controls which include concentric Volume/Balance Phono. Also included are
and 4-Oimensional Speaker Mode, Remote/Main Speakers, and Loudness Rear panel features stereo inputs for Aux., Tuner, and Phono; 2 AC con venience outlets ( 1 switched): Tape Output jack; Main Remote, and Rear Speaker $s$ witch that varies the volume level of the rear speakers in the 4 dimensional mode of operation, styled for "today" with a brushed gold anodized exiruded aluminum front panel, matching hnobs, and a rugged vinyl-clad metal cabinet with the simulated look of rich walnut wood grain. Size:105 aw $\times 31 / 2 \mathrm{H} \times 83 / 8$ "O. For $105-120$ VAC, $50 / 60 \mathrm{~Hz}$ with AC power fuse importid. Shpg. wt., $93 / 4 \mathrm{Ibs}$.
99 P 02602W No Money Down*

Music Power Output ( $\pm 1 \mathrm{db}$ ); 50 watts (25 $\times 2$ 2) at 4 ohms; Power Bandwidth: $35-30,000 \mathrm{~Hz}$; Frequency Response: 20 $20,000 \mathrm{~Hz} \pm 1.5 \mathrm{db}$; Total Harmonic Dis tortion: at 1 watt, $0.07 \%$; Stereo Separalon: 60 db ; hum and Noise: -75 db (hilevel inputs), -55 db (low-level inputs). input Sensitivity: Mag Phono, 3.5 my max 40 mV ), Cer Phonc, 120 mV (max 1.8V), Tuner, 500 mV (max 6V), Aux, 250 mV (max 3V); Solid-State Devices: 20 Transistors, 2 Oiodes, 2 Thermistors.

$$
\text { See Page } 45 \text { for LA-375 2-Channel and } 4 \text { Dimensional Audio Systems. }
$$

## "Stereo 10A" Solid State Stereo Amplifier



- Compact Size
- Neat Styling
- Big Performance

Attractive, neat styling, plus compact size and big performance characterize this moderately priced stereo amplifler. The "Stereo $10 A^{\prime \prime}$ is ideal for the hi-fi beginner or for use as a second stereo system for the living room, den, bedroom, or business. Perfect for areas where space is a limiting factor, the "Stereo 10A" can be installed easlly on a bookshelf or end table. It can be used with record players, AM, FM, and FM Stereo tuners. Solid-state circuitry consisting of 10 transistors, and 2 diodes provides clean sound for cool, Instantaneous operation. Input Impedance: 400 K Ohms. Cross Talk: 45 db . Hum and Noise: 55 db . below rated output. Output stages couple directly to the speaker for smooth frequency response with high impedance crystal or ceramic phono cartridges.

Front panel features: Separate volume controls for Left/Right chan nels; Tone control for Bass and Treble; Rotary selector switch for Phono, - Tuner and Auxiliary; Individual silde switches for Monof Stereo Mode, Power-On/Off and speakers-Main/Remote; stereo headphone jack for private listening; Power On/Off Indicator light. Rear panel features: Left/Right channel inputs for phono, tuner and auxiliary; Left/Right channel outputs for main and remote speakers; switched AC convenience outlet. Beautlfully finished brushed aluminum front panel with complementary metal knobs and attractive metal case. Size: $9 W \times 3 \not / 2 \mathrm{H} \times 61 / 2^{\prime \prime} \mathrm{O}$. For $105-125 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Imported. Shpg. wt., $51 / 2 \mathrm{lbs}$.
99 P 02289
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## Popular Stereo Phono Music Systems With "Stereo 10A"



Mini


This popular hi-fi beginner's 2nd stereo system consists of: Lafayette stereo 104 Compact stereo ampllfier; Lafayette Model AC508 4. speed automatic push-button stereo record changer with stereo turnover ceramic cartridge and diamond LP needle, with professional lever cueing; matching walnut finished wood tase for record changer. 2 Lafayette fine-performing Mini bookshelf speaker systems with efficient $61 / 2^{\prime \prime}$ wide range speaker in handsome olled walnut wood enclosure with speaker cable. Shpg. Wt., $261 / 4 \mathrm{lbs}$.
22 P 90534WXM No Money Down*


Criterion 254
from individual catalog price ONLY $\left\{\begin{array}{l}\square 5 \\ \text { With } \\ \text { Case }\end{array}\right.$


This fine performing 2nd stereo music system consists of: Lafayette Stereo 10A stereo amplifier; Lafayette Model AC508 4-speed automatic push-button stereo record changer with stereo turnover ceramic cartridge and diamond LP needle; matching record changer base, 2 Lafayette Criterion 25 2-way 25 -watt speaker systems with extra efficlent $8^{\prime \prime}$ woofer and $21 / 2^{\prime \prime}$ tweeter in oiled walnut finished enclosure. Complete with speaker cable. Shpg. wt., 394/4 lbs. 21 P93373WXM No Money Down*

# LAFAYETTE 30-Watt Solid-State Stereo Amplifier 



- Inputs for Magnetic and Ceramic Cartridges
- Main/Remote Speaker Switch

Designed for exceptional reliability and performance at an unbelievably modest price. The LA-25 faithfully reproduces the full spectrum of audio sound with more than adequate volume and very low distor tion. Its solid-state design, incorporating 18 quality transistors and 4 diodes assures top-notch performance with minimum heat. A full complement of controls is supplied for best stereo effects and permits you to "tallor" the sound to suit exacting personal tastes and acoustic variations. Its neatly designed front panel features rotary selector switches for Input Source (Aux, Tuner, Phono Ceramic, Phono Magnetic), Bass, Treble, and dual-concentric Volume/Balance, Also included on the front panel are rocker switches for Mode (Monoj Stereo), Speakers (Remote/Main), and Power (On/Off) as well as

- Front Panel Stereo Headphone Jack
- Speaker Protection Fuses
a stereo headphones Phone jack for private listening. The rear panel features stereo outputs for main speakers as well as for Remot speakers in the den, recreation room, patlo area, etc.; input jack: Ior Aux, Tuner, Phono, and Tape Recorder; AC convenience outlet and AC line fuse. For extra reliability, special fuses are used to protect the output transistors and speakers for each channel. Professionally styled to blend with any home decor, the LA-25 features a brushed gold anodized neatly contrasting extruded aluminum front panet, matching knobs, and vinyl-clad metal cabinet with the simulated look of rich walnut wood grain. Size: $10 \mathrm{w} / \mathrm{mW} \times 31 / 2 \mathrm{H} \times 83 / 40 \mathrm{O}$. For 105-120 VAC, $50 / 60 \mathrm{~Hz}$. Imported. Shpg. wt., 9 lbs.
99 P 02842W No Money Down*
Net 48.95


## SPECIFICATIONS

Power Output: Music Power $\pm 1 \mathrm{db}$ at 8 ohms: 30 watts; IHF: 24 watts at 8 ohms; RMS: 20 watts ( 10 watts $\times 2$ ) at 8 ohms. Frequency Response: $75-20,000 \mathrm{~Hz}$ at I watt $\pm 1 \mathrm{db}$. Power Bandwidth at rated power: $55-25,000 \mathrm{~Hz}$. Total Harmonic Distortion: $1 \%$ (1 kHz at rated

Phono Cer 250 mV , Aux 125 mV , Tuner 250 mV . Hum and Noise: Phono Mag - 55 db , Phono Cer, Aux, and Tuner - 65 db . Channel Separation: 55db. Speaker Output: 8 ohms. Semiconductors: 18 Transistors, 4 Diodes.
See Page 46 for LA- 25 Stereo Systems.

LAFAYETTE Solid-State AM/FM Stereo Tuner
Model ST-20


> NEW! AMAZING LOW PRICE $34^{95}$
> with
> wood Case

- Automatic FM Stereo Switching and Stereo Indicator Light
- Switchable Automatic Frequency Control

Enjoy AM/FM Stereo reception at an unbellevable Iow price! Solidstate circultry combines reliable design and sound electronic engineering to provide a level of performance that far exceeds the cost! Automatic multiplex circuitry instantly switches the funer to stereo operation when stereo is being broadcast. A stereo indicator ilight gives instantaneous visual indication of stereo broadcasts. Switchable Automatic Frequency Control assures drift-free reception
even on the weak stations. The ST-20 also features an attractive front panel with rotary selector switches for Function Mode (AM,

## - Attractive Wood Cabinet

- 11 Transistors, 13 Diodes, and 1 Varicap Diode


## SPECIFICATIONS

FM SECTION: Range: 88.108 MHz , Sensitivity: $7.5 \mu \mathrm{~V}$ for 30 db of quieting. Total Harmonic Distortion: $1 \%$ or less. MPX Separation at $1 \mathrm{kHz}: 25 \mathrm{db}$. $\mathrm{S} / \mathrm{N}$ Ratlo: 55 db . IF Rejection: 75 db . AM Suppression:

FM, AFC) and Tuning, as well as a large, easy-to-read AM and FM station dial with FM stereo indicator. A Power On/OHf rocker switch is easily accessible on the front. The rear apron includes left and right output jacks as well as antenna terminals for Internal AM ferrite bar antenna and for internal and external FM antennas. Housed in fine looking wood cabinet, For 120 Volt, 60 Hz AC operation. Imported. Size: $9 \%_{6} W \times 3 K_{6} H \times 6^{\prime \prime} 0$.
Shpg. wt., $41 / 4 \mathrm{lbs}$.
99 P 02917W No Money Down*
Net 34.95

# LAFAYETTE Solid-State AM/FM Stereo Tuner Model LT-725A 



## Designed For Performance.. ...Styled for Distinction!

- $1.7 \mu \mathrm{~V}$ IHF Sensitivity • 1.5 db Capture Ratio
- Front and Rear Panel Tape Output Jacks
- Pushbutton FM Mute Switch
- Automatic FM Stereo Switching and Stereo Indicator Light
- Illuminated Signal-Strength Tuning Meter for Normal and Center Scale Tuning
- Internal FM Antenna plus Flexible-Mount AM Loopstick Antenna
- Beautifully Styled Dial That Illuminates with "Power-On"
- 40 db Stereo Separation

The Lafayette LT-725A establishes pace-setting standards for excellence in performance, flexibility of controls, ease of operation, and convenfence. Its distinctive styling wili complement any home decor. Yet with ali these features it is priced within the budget of the music lover who seeks superlor performance and design at a moderate cost. In addition to high performance and unique circult design, the IT-725A boasts an ultra-modern exterior with space-age styling. The most striking of these is the elegant ebony face-plate with gold embossed lettering; when the unit is furned "On". the logging scale, tuning meter and stereo indicator are illuminated into a highly a tracttive soft, rich blend from behind the face-plate. The front panel also feafures a row of push-buttons for the functions of Stereo/Mono mode. MPX Fliter, Mute Switch for minimum nolse while tuning FM stations, FM/AM reception, and tuning meter for center channel tuning and FM/AM seception, and strength indication. There are tape output jacks at the rear and front panels: and rear inputs for external FM and AM antennas. Complete with bult-in FM and AM antennas, AC fuse holder and grounding post. Output suitable for any quality stereo amplifier. Size: $12 \mathrm{~W} \times 3 \mathrm{3} / 4 \mathrm{H} \times 91 / \mathrm{s}=\mathrm{D}$. Imported. For $105-120$ volts $A \mathrm{C}, 50 / 60 \mathrm{~Hz}$. 99 P 02297 W Shpg. wt., 13 lbs.

Net 139.95

## SPECIFICATIONS

FM SECTION: 4 Gang Tuning Condenser. Range: $88-108 \mathrm{MHz}$. Sensitivity: $1.7 \mu \mathrm{v}$. Marmonic 0istortion:@ $400 \mathrm{Mz}, 100 \%$ modula. tion: $0.25 \%$. Selectivity: 50db. Capture Ratlo: 1.5 db . Stereo Separation: 40db@ 400 Hz . Cross Modulation Index: 90 db . Sig-nal-to-Noise Ratio: $75 \mathrm{db}(100 \%$ Mod.) Image Rejection: 80 db . External Antenna impedance: 300 ohms balanced. AM SECTION: 3 Gang Tuning Condenser; Range: $535-1605 \mathrm{kHz}$. Sensitjvity (Antenna Terminal): $20 u v$.

# $139^{95}$ 

No Money Down*
4 IC's, 2 FET's, 14 Transistors, 19 Diodes

## AAA 2.YEAR GUARANTEES

See Page 415 for Details

## OUTSTANDING FEATURES



Automatic FM Stereo Automatically switches to stereo mode and lights indicator when you tune to a stereo station.


Tape Out Front and rear tape output jacks for recording through your tape recorder.


Pushbutton Function Switches for Signal Strength on AM and FM plus Center Chan.
nel Tuning on FM: Stereo/Mono mode; MPX High Frequency Filter; FM Mute and Selector Button for AM or FM reception.

## LAFAYETTE Solid-State AM/FM Stereo Tuner Model LT-670A



## Amazing Low Price

## only 8995

No Money Down*

## 1 IC, 18 Transistors, 23 Diodes

Enjoy the full measure of high priced AM/FM stereo reception at an "Amazingly" low price. Solid-state clrcultry comblnes advanced design and electronic principles to provide a level of performance that far exceeds the cost! Included are AUTOMATIC MULTIPLEX CIRCUITRY which instantly switches the tuner to stereo operation when stereo is being broadcast. A "STEREO" INDICATOR LIGHT gives instantaneous visual Indication of stereo broadcasts. "Acritune" circultry causes the Acritune indicator to light when accurately tuned to an FM station. Activation of "Mute" switch results in minimum interstation nolse when tunjng FM stations. Every control feature for outstanding performance has been included: switchable (On/Off) MPX FILTER for reduction of external interference on FM stereo; a MODE selector (Mono or Stereo); and a SELECTOR for AM or FM reception. There are even tape output jacks on tront and rear for recording directly to a tape recorder. Has built in FM antenna and Ferrite bar for AM; plus terminals for adding a FM external antenna. With simulated walnut grain vinyl covered metal enclosure and anodized brushed aluminum front panel and knobs. For $105 /$ 120 VAC .; $50 / 60 \mathrm{~Hz}$. Imported. Size: $10 \% / 6 \mathrm{~W} \times 31 / 2 \mathrm{H} \times 83 / \mathbf{g}^{\prime 0} \mathrm{D}$. 99 P 02495W Shpg. wt., $121 / 4 \mathrm{lbs}$.

Net 89.95

## AAA 2-YEAR GUARANTEE

See Page 415 for Details

- ACRITUNE for Visual FM Tuning Accuracy
- Automatic FM Stereo Switching and Stereo Indicator Light
- Muting for Minimum Interstation Tuning Noise
- $3.5 \mu \mathrm{~V}$ IHF Sensltivity
- 30 db Stereo Separation
- Multiplex Filter
- Internal FM Antenna plus FlexibleMount AM Antenna
- Front and Rear Tape Output Jacks
- Neatly Styled to Blend with All Decors


## SPECIFICATIONS

FM SECTION: Range: $88-108 \mathrm{MMz}$. Sensitivity: $3.5 \mu \mathrm{~V}$. Marmonic Distortion: @ $400 \mathrm{Mz}, 100 \%$ modulation: $0.7 \%$; Selectivity (Alternate Channel): 35 db . Capture Ratlo: 5 db . Stereo Separation: 30 db @ 400 Hz . Signal-to Noise Ratio: $50 \mathrm{db}(100 \%$ mod.). Image Rejection: 50 db . Tape Dutput Level: Average 350 mV . 1 Volt max. External Antenna Impedance: 300 ohm balanced. AM SECTION: 3 -Gang Tuning Condenser. Range: $535 \cdot 1605 \mathrm{kHz}$. Sensitivity (Antenna Terminals): $20 \mu \mathrm{~V} . \dot{\mathrm{S}} / \mathrm{N}: 40 \mathrm{db} @ 1 \mathrm{mV}$ input.

## Outstanding Features

Automatic FM Stereo automatically switches to stereo mode and lights Indicator when you tune to a stereo station. Acri-tune indicator light assures foolproof accuracy on FM tuning.


Tape Out Front and rear tape output jacks for recording through your tape recorder.


MPX Filter Rocker Switch (On/Off) for reduction of external interference when tuned to an FM Stereo Station.
tuTE
Mute Rocker Switch (On/Off) for minimum $F M$ interstation tuning noise.

CHANAEL Sysjecm


- Play New "SQ" 4-Channel Records and "SQ" 4.Channel FM - Play Discrete 4-Channel Programs with Optional 4-Channel Broadcasts

Tape Deck

- Derive 4-Channel Sound from Your 2-Channel Stereo Records, Tapes, and FM Stereo Broadcasts


## 4 CHANNEL PHONO, and AM/FM BROADCAST STEREO SYSTEMS

SAVE 77.29
From Individual Catalog Prices

## System Price

 $503^{18}$You will be thrilled by the spectacular reatistic surround sound of this outstanding 4 -channel stereo system. The complete system consists of the superb Lafayette LR-440 200 -watt compatible 4 -channel AM-FM stereo recelver which incorporates 4 excellent amplifiers, patented " $S Q^{\prime \prime}$ decoder circuitry, plus an outstanding AM-FM stereo tuner to bring you 4 -channel stereo programs from present 4 -channel 8 -track tape car--chidges, from 4 -channel reel-to-reel tapes, from 4 -channel "SQ" Quadratridges, from 4-chan frem "SO" 4-channel FM broadcasts. In addition, the phonic records, and from "SQ" 4-channel FM broadcasts. In addition, the LR-440 brings you exciting derived 4 -channel stereo from your present stereo records, stereo tapes, and FM stereo broadcasts. Also included are the dependable Garrard Model 40B 3-speed automatic turntable with attractive matching base; the PickerIng P/AJE-1 elliptical stereo cartridge with high compliance diamond stylus; 4 Lafayette Criterion 50A 2-speaker 2-way "tuned" ducted port bookshelf speaker systems, each with $8^{\prime \prime}$ woofer, $1^{\prime \prime}$ volce coil, and $31 / 2^{\prime \prime}$ cone tweeter in handsome olled walnut finlshed enclosure; and speaker cable. Shpg. Wt., 142 lbs . 22 P90542WXM No Money Down*
Same system as above, except with four Lafayette Critertion 100 B 3 speaker 3 -way bookshelf speaker systems with $10^{* \prime}$ woofer, $31 / 2^{\prime \prime}$ midrange, and $122^{\prime \prime}$ super tweeter speakers in handsome olled walnut finth enclosures, instead of the Criterion 50A's. Shpg. wt., 178 lbs. 22 P90559WXM No Money Down* ............................Nel 576.50 You SAVE $\$ 85.47$ from individual catalog prices!

## 4 CHANNEL PHONO, TAPE, and AM/FM BROADCAST STEREO SYSTEMS

## SAVE 87.17

from Individual Catalog Prices

Same exciting 4-channel stereo system as 21 P 90542WXM including the Lafayette LR-440 200-watt compatible 4-chansel stereo receiver, the Garrard Model 408 turntable with attractive matching base, the pickering P/ATE-1 cartridge with diamond elliptical stylus, 4 Lafayette Criterion 50 A speaker systems, plus the Lafayette RK-48A compatible 2- and 4channel'stereo 8 -track cartridge tape deck, for the playback ferecorded 2 - and 4 -channel 8 -track tapes. Shpg. wt., $1521 / 4 \mathrm{lbs}$.
22P90567WXM No Money Down
Net 591.95
Same system as above except with four Lafayette Criterion 1008 3-speaker 3 -way speaker systems instead of Criterion 50A's. Shpr. wt., 1881/4 lbs.
22 P90575 WXM No Money Down*
Net 664.75
You SAVE 95.17 from individual catalog prices!

## FEATURING LAFAYETTE LR-4000 300-Watt 4-Channel AM/FM Stereo Receiver

Criterion-100B


LR. 4000

Phono and $A M / F M$

## $-693^{50}$ <br> No money down*

SAVE $98^{47}$
From individual catalog mices

Tape and AM/FM
$=725^{75}$
wo mone somer.
SAVE $83^{32}$
From individual catalog prices

Phono, Tape and AM/FM $=781^{15}$ No money dewn*
SAVE $108^{17}$
from Individual catalog prices

## 4.CHANNEL PHONO and AM/FM BROADCAST STEREO SYSTEM

This superbly matched 4 .channel phono and AM/FM broadcast stereo system features Lafayette's most duces ul and finest a-channel stereo receiver-the LR-4000. This magnificent 4 .channel receiver reproits built-in sophisticated so wave.Matering te 8-track cartridges, Discrete reel-to-reel tapas, and with derful 4 in sopaisticated SO Wave-Matching Logic circuitry reproduces the increasingly abundant wonderful 4 -channel $S 0$ stereo quadraphonic records and 4 -channel SO FM broadcasts with exceptional clarity and realism. In addition, the LR-4000 derlves rich 4 -channel sound from your present 2 -channel stereo records, stereo tapes, and FM stereo broadcasts. This system also includes the well.known Elliptical Stereo Cartridge with hiohic Turntable with matching turntable base, the Pickering P/ATE. 1 systems, each incorporating a $10^{\prime \prime \prime}$ woofer with $51 / 2 \mathrm{lb}$. magnet, 4 Lafayette Criterion $10083 \cdot$ speaker systems, each incorporating a $10^{\prime \prime}$ woofer with $5 \mathrm{l} / 2 \mathrm{lb}$. magnet, $31 / 22^{\prime \prime}$ mid.range, $1 \mathrm{t} / \mathrm{m}^{\prime \prime}$ super tweeter, and brillance control in handsome oiled walnut finish enclosure. With speaker cable. Shpg. Wt., $186 \mathrm{k} / \mathrm{lbs}$.
22 P 91078 WXM

## 4.CHANNEL TAPE and

## AM/FM BROADCAST STEREO SYSTEM

A masterful system that includes the superb Lafayette LR-4000 300.Watt AM/FM 4.Channel stereo Receiver which reproduces the exciting 4 -channel sound of Discrete 8 -track tape cartridges, Discrete reel-to-reel tapes, and through lis sophisticated SO Wave-Matching Logic circuitry, 4-channel So stereo quadraphonic records and SQ FM broadcasts with supert realism and clarity. It also derives rlch 4 channel sound from your present 2 -channel stereo records, stereo tapes, and FM stereo broadcasts. The system also includes the Lafayefte Defuxe RK-48A 4 and 2-channel Sterco 8. Track Playback oeck that features "Continuous/Repeat" selector button. spill.proof capstan mechanism, and pushbutton track selector; 4 Lafayette Criterion 1008 handsome 3 -way, 3 -speaker systems with briliance control; and speaker cable. Shpg. wt., $1841 / 4 \mathrm{lbs}$.
22 P 91086 W 22 P91086WXM
.Net $\mathbf{7 2 5 . 7 5}$

## -4-CHANNEL PHONO, TAPE and AM/FM BROADCAST STEREO SYSTEM

Same system as 22 P 91078 WXM , above, plus Latayette RK.48A 4 and 2 -Channel Stereo 8. Track Playback
Deck. Shpg. Wt. $1962 / 2 \mathrm{lbs}$.
22 P91094WXM $\qquad$
See Pages $4,5,54,83,88$ and 123 for full description of system
Net 781.75
See Pages $4,5,54,83,88$ and 123 for full description of system components.

# STEREO SYSTEMS <br> FEATURING <br> LAFAYETTE LR-4000 300-Watt 4-Channel AM / FM Stereo Receiver 



Criterion $4 X$

RK-48A

LR-4000

Pickering V-15
Micro IV/ACE


Phono and $A M / F M$

## DELUXE 4-CHANNEL PHONO and AM/FM BROADCAST STEREO SYSTEM

An elite 300 -watt 4 -channel phono and AM/FM broadcast stereo system. Includes Lafayette's most powerful and finest 4 .channel AM/FM receiver-the LR- 4000 -which reproduces the exciting 4 -channel Discrete 8 -track tape cartridges, 4 -channel Discrete reet-to-reel tapes, 4 -channel SQ stereo quadra. phonic records, and 4 -channel SO FM broadcasts with exceptional clarity and realism. In addition, the phonic records, and 4 -channel 4000 derives rich 4 -channel sound from your present 2 -channel stereo records, stereo tapes, and LR- 4000 derives rich 4 -channel sound from your present broadcasts. This exceptional system also includes the Garrard Model SL-558 Synchro-Lab 3-Speed Automatic Turntable with light-weight tubular tone arm and damped counterweight, slide-in cartridge clip and oversize turntable; matching furntable base; the Pichering V. 15 Micco IV/ACE EIIPIIcal Stereo Cartridge with high compliance diamond stylus; 4 Lafayette Criterion $4 X$ 4.way, 4 -speaker systems, each with $12^{\prime \prime}$ woofer, $5^{\prime \prime}$ mid.range, $3^{\prime \prime}$ tweeter, $11 / 2^{\prime \prime}$ super hi-tweeter, 4 -way L/C network, systems, each with 12 woofer, ${ }^{\prime \prime}$ migh-frequency and mid-range controls in a deluxe olled-walnut finish enclosure; and speaker cable. 22 P91102WXM Shpg. wt., $2221 / 4$ lbs.

## DELUXE 4.CHANNEL TAPE and AM/FM BROADCAST STEREO SYSTEM

A delure 4 -channel stereo system that includes the amazing Lafayette LR-4000 300.watt 4-Channel AM/ FM Stereo Receiver which reproduces wonderfully realistic 4 -channel sound from Discrete 8.track tape cartridges, Discrete reel-to-feel tapes, SQ stereo quadraphonic records and SQ FM broadcasts, and carlridges, Discrete reer-toreet $\begin{gathered}\text { derives rich } 4 \text {-channel seund from } 2 \text { channel records, tapes, and FM stereo broadcasts. In addition, the }\end{gathered}$ system includes the Latavette RK-48A a and 2.Channel Stereo 8-Track Playback Deck that feafures "Continuous/Repeat" selector button, spill-proof capstan mechanism, and pushbutton track selector: 4 Lafayette Criterion $4 X 4$-way, 4 -speaker systems in luxurious oiled-walnut speaker enclosures; and speaker cable. Shpg. wi., $2201 / 4 \mathrm{lbs}$.
22P91110WXM

## DELUXE 4.CHANNEL PHONO, TAPE and AM/FM BROADCAST STEREO SYSTEM

Same 4-channel stereo system as 22 P91102WXM plus Latayette RK-48A 4 and 2 -Channel Stereo 8-Tracs Playback Deck. Shpg. wi., $232 \frac{1}{2}$ lbs.

Net 606.25

> System
Price 00005
> No miney down*
> SALE $112^{42}$

From incidulual catalog prices

Ta re and $A M / F M$
systen
Pice 025
Ne money down*
SAVE $92^{22}$
From meividual catalog prices

Phons, Tape and AM/FM
syrten
Price 095
No money down

Frim Indiwidual catalog prices


## 4-CHANNEL PHONO AND AM/FM BROADCAST STEREO SYSTEMS

## SYSTEM PRICE <br> $356^{25}$ <br> No Money Down*

## SAVE

61.12
from Individual
Catalog Prices
An excellently matched 4 -channel stereo system which features the Lafayette LR-220 85.Watt 4-Channel AM/FM Stereo Recelver that reproduces the wonderful 4 -channel sound of discrete 8 -track cartridges, discrete reel-to-reel tapes, Sa stereo quadraphonic records, and SQ FM broadcasts. The LR- 220 also derives rich 4 -channel sound from your present 2 -channel stereo records, stereo tapes, and FM stereo broadcasts. This system also Includes the well known Garrard Model 4083 .Speed Automatic Turntable with a neatly designed matching turntable base; the pickering P/ATE-1 Elliptical Stereo Cartridge with high compliance dlamond stylus; 4 Latayette Criterion 25 A 2 -speaker, 2 -way air suspension speaker systems with $8^{\prime \prime}$ woofer, $21 / 2^{\prime \prime}$ tweeter, in rich, hand rubbed olled walnut finish enclosure, and speaker cable. Shpg. wt., $841 / 4 \mathrm{lbs}$. 22 P 90971WXM

Net 356.25
Same stereo system as above except includes 4 Latayette Criterion $50 A 30$-watt, 2 -speaker, 2 -way systems, each having an $8^{\prime \prime}$ woofer with $1^{\prime \prime}$ aluminum voice coil, $31 / 2^{\prime \prime}$ cone-type radiator tweeter and built-in electrical crossover network in a rich, hand rubbed olled walnut finish enclosure instead of Criterion 25A's. Shpg. wt. $1221 / 4$ lbs.
22 P 90989 WXM No Money Down*
You SAVE 65.29 from catalog unit prices!

## 4-CHANNEL TAPE AND AM/FM BROADCAST STEREO SYSTEMS

| SYSTEM PRICE | SAVE |
| :---: | :---: |
| $363^{50}$ | 42.97 |
| No Money Down• | from Invivoual <br> Catal |

A superior matched 4 -channel tape and AM/FM broadcast stereo system. Includes the excellently engineered Lafayette LR-220 85Watt 4-Channel AM/FM Stereo Receiver that plays discrete 4-channel 8 -track cartridges, discrete 4 -channel reel-to-reel tapes, 4 -channel SO stereo quadraphonic records, 4 -channel SO FM broadcasts, and derives rich 4 -channel sound from your conventional stereo records, stereo tapes, and FM stereo broadcasts; the Lafayette RK-84 4 and 2-Channel 8-Track Stereo Playback Deck with 4 solid-state playback preamplifiers, individual illuminated channel indicator lights, and pushbutton track selector; 4 Lafayette Criterion 25A 2 -speaker, 2-way alr suspension speaker systems, each with $8^{\prime \prime}$ woofer and $21 / 2^{\prime \prime}$ tweeter in hand-rubbed oiled walnut finish enclosures; and speaker cable. Shpg. wt., 81 lbs.
22 P 91003 WXM
Net 363.50
Same system as 22 P91003wXM above except with 4 Lafayette Criterion 50A 30-watt, 2 -speaker, 2 -way systems, each with $8^{\prime \prime}$ woofer, $31 / 2^{\prime \prime}$ cone-type tweeter, and electrical crossover network in hand-rubbed olled walnut finish enclosure, instead of Criterion 25A's. Shpg. wt., 119 lbs.

22 P 91011 WXM No Money Down*
YOU SAVE 47.39 from individual catalog prices!
Net 402.88

## 4-CHANNEL PHONO, TAPE, AND AM/FM BROADCAST STEREO SYSTEM

Same system as 22 P 90971wxM above plus Lafayette RK-84 4 and 2Channel g-Track Stereo Cartridge Playback Deck. Shpg. wt. $931 / 4 \mathrm{lbs}$.

22 P $90997 W X M$ No Money Down
You SAVE 68.07 from individual catalog prices!
Net 419.25 See Pages 8,52,53,83,88, and 123 for a description of system components.


## 4-CHANNEL PHONO STEREO SYSTEMS

## System Price <br> $423{ }^{50}$

No Money Down*

## SAVE 68.77

From Individual Catalog Prices

An exceptional and high power 4 channel phono stereo system featuring the Lafayefte th-64 200.watt 4-Channel Stereo Amplifier. The U-64 embodies 4 powerful amplifiers that reproduce the marvelous 4 chanmel sound of Discrete 8-Track Cartridges, Discrete reel-to-reel tapes, and with its deluxe SQ-logic circultry renders the amazing 4 -channel sound of 50 stereo quadraphonic records. Its built-in "Composer" circuitry derives 4 -channel sound with striking audio depth from your present 2 -channel stereo records, stereo tapes, and FM stereo broadcasts when using an optional FM stereo tuner. The system also includes the Garrard Model 40B 3.Speed Automatic Turntable; Matching base for turntable; Pickering P/ark.1 Elliptical Stereo Cartridge with high compliance diamond stylus; a Lafayette Critieron 10083 -speaker systems, each featuring $10^{\prime \prime}$ woder with $51 / 2 \mathrm{lb}$. magnet, $31 / 2^{\prime \prime}$ mid-range speaker and $12 / 2^{\prime \prime}$ super tweeter and brilliance control in handsome oiled walnut finish enclosure. Includes speaker cable. Shpg. wt., $2581 / 4 \mathrm{lbs}$. 22 P91029WXM

Net 423.50
Same system as above except wilth 4 Lafayette Criterion $4 \times 50$-watt, 4 -way, 4 -Speaker systems, each with $12^{\prime \prime}$ woofer, $5^{\circ}$ mld-range driver, $3^{\prime \prime}$ hi-irequency tweeter, $11 / 2^{* \prime}$ super hi-fweeter, 4 -way L/C Nefwork. and high frequency and mid-range controls housed in a deluxe oiled walnut linish enclosure, instead of the Criterion 1008's22 P91037WXM Shpg. Wt., $1941 / 4$ lbs. Net 503.95 YOU SAVE 77.42 from individual catalog prices!

4-CHANNEL TAPE STEREO SYSTEMS

## System Price $455^{75}$ <br> SAVE 53.32 <br> From Individual Catalog Prices

No Money Down*

A superb 4-channel tape stereo system teaturing Lafayette's finest and most powerful 4-Channel Stereo Amplfier, Model LA-64. The LA- 64 renders the amazingly gratifying 4 -channel sound of Discrete 8-Vrack Cartridges, Discrete reel-to-reel tapes, and with Its sophisticated SQ-logle circultry plays the wonderful A-channel sound of the increasingly abundant SQ stereo quadraphonic records when used with optional record turntable. In addition its built-in "Composer" circuitry derives amazingly realisfic 4 -channel sound from present stereo tapes, stereo records, and FM stereo broadcasts when used with optional FM stereo tuner. The system also includes the Lafayette opluxe RK-48A 4 and 2 -channef stereo 8 -track playbach deck that features "Continuous/Repeat'" selector bution, spill-prool capstan mechanism, and pushbutton track selector; a Lafayette Criterion 100日 handsome 3-way, 3 speaher systems with brilliance control; and speaker cable. Shpg. wt., $156 \mathrm{k} / \mathrm{h}$ lbs.
22 P91052WXM
Net 455.75

Same system as 22 P91052WXM except with 4 Latayette Criterion $4 X$ deluxe 50 -watt, 4 -way, 4 speaker systems Instead of Criterion 100 ${ }^{\prime}$ 's. Shpg. wt., $1921 / 4 \mathrm{lbs}$.
22P91060wxm No Money Down*
Net 536.25
YOU SAVE 62.22 from individual eatalog prices!

## 4-CHANNEL PHONO AND TAPE STEREO SYSTEM

Same 4 -channel system as the 22 P 91029 WXm plus Lafarette oeture RH-48A 4 and 2 -channel stereo 8 -trach playbach dech.
${ }^{\circ}$ Sec Page 23 for Fvll Details on Easy Pay Plan


## 4-CHANNEL TAPE STEREO SYSTEMS



SAVE 30.97

From Inoividual Catalog Prices

Listening to your stereo program sources is now more enjoyable than ever! This rewarding 4-channel stereo system consists of the Lafayette LA-222 a-Ehannel stereo Amplifier which plays discrete 4 -channel reel-to-reel lapes and discrete 4 -channel 8 track cartridge tapes; and with an optional record furntable plays the growing abundant quantity of the popular new 4-Channel Sa Stereo Quadraphonic records. The LA-222 also derives 4 -channel soundifrom your conventional 2 channel stereo records and stereo tapes, and from FM stereo broadcasts when used with an FM stereo tuner. In addition the system includes the Lalayette RK-84 a and 2-Channel 8 -Track Cartridge Tape Deck; 4 Lafayette Criterion 25 2-speaker, 2 -way speaker systems, each with $8^{\prime \prime}$ woofer, $21 / 2^{\prime \prime}$ tweeter, and L/C crossover network in attractive oiled walnut finish enclosure; and speaker cables. Shpg. wt., 74 lbs
22 P 90922 WXM No Money Down*
Net 255.50
Same system as above except with 4 Lafayette Criterion 50A 30 -watt 2-way bass reflex ducted port speaker systems, each with heavy duty $8^{\prime \prime}$ woofer and $312^{\prime \prime}$ direct radiator tweeter in hand rubbed olled walnut finish enclosure instead of Criterion $25 A^{\prime}$ s.
22 P $90930 w X \mathrm{M}$ No Money Down wt., 112 lbs. Net 294.75
You SAVE 35.52 from individual Catalog prices!

## 4-CHANNEL PHONO STEREO SYSTEMS

| System Price | SAVE |
| :---: | :---: |
| 24825 | 49.12 |
|  | From Individual <br> Catalog Prices |

Open a new world of unbellevable audio gratification with this dependable 4-channel stereo system. Consists of the Lafayette LA-222 4.Channel Stereo Amplifier with built-in SQ circuitry for playing the popular new $S Q 4$-channel records with outstanding separalion and realism. and with built-in "Composer" circuitry for deriving fuifilling 4 -channel audio from your stereo records and stereo tapes, as well as from FM stereo programs when used with an FM stereo tuner. In addition the system Includes the Garrard 408 3-speed Automatic Turntable with matching base; Pickering P/ATE-1 elliptical cartridge with high compliance diamond stylus; 4 Latayette Criterion 25A 2 -speaker, 2 -way speaker systems; and speaker cable. Shpg.
wt., $771 / 4 \mathrm{lbs}$. $22^{\circ} \mathrm{P} 909$ lbs.
22 P 90948 WXM No Money Down*
Net 248.25
Same system as 22 P 90948 WXM except with 4 Lafayette Criterion Criterion $25 A^{\prime}$ 's. Shpger bass reflex speaker systems instead of Criterion 22 A's. Shpg. wi., $115 \mathrm{y} / \mathrm{lbs}$. 22 P $90955 W \mathrm{MM}$ No Money Down"

Net 287.88 You SAVE 53.29 from individual catalog prices!

## 4-CHANNEL PHONO AND TAPE STEREO SYSTEM

Same system as 22 P 90948 wXM plus Lafayette AK-84 4-channel and 22 P90963WXM No Money Down
2-channel 8 track cartridge player tape deck. Shpg. wt. $86 \%$ lbs. You SAVE 56.07 from individual cat You SAVE 56.07 from individual c

# LAFAYETTE 4-Channel Stereo Systems Featuring Model LA-2525 40 Watt 4-Channel Stereo Amplifier 



SAVE 25.02 From Individual Catalog Prices \(\underset{\substack{system<br>pine}}{20125}\)

'Mini" Speakers

## 4-CHANNEL TAPE STEREO SYSTEM

Listen to the extraordinary sound of 4 -channel stereo lapes in your home and add immeasurabte joy to your audio listening. This 4 -channel stereo system consists of the Lafayette L -252540 -watt Compatible 4 -Channel Stereo Amplifier which can play discrete A-channel 8 track cartridge and reel-to-reel stereo tapes. The $1 \mathrm{~A}-2525$ can also derive and play 4 -channel stereo from 2-channel stereo records, stereo tapes, and FM stereo broadcasts. The system also includes the Lafayette RK- 44 and 2 -Channel 8 Trach Stereo Play. back Tape Dech; 4 Lafayetfe "Minl" speaker systems each with powerful $64 / 2$ " wide range speaker housed in handsome olfed walnut finish wood enclosure; and speaker cable. 22 P90072wxM No Money Down* Shpg. wt., 46 lbs.

Net 201.25

## 4-CHANNEL PHONO STEREO SYSTEM

Enjoy the exclting new SQ 4 -channel stereo records as well as the fulfilling derived -channel sound from your 2 -channel stereo records. System consists of tatayette (A-2525 40 -watt Compatible 4 .Channel Stereo Amplifier, the Garrard Model 4083 -speed automatic turntable with neat matching base; the Pickering P/ATE-1 elliptical stereo cartridge with diamond stylus; the Lafayette SQ-M 4-channel SO Decoder that features decoding circuitry with superior separation characteristics; 4 Lafayette "Mini" speaker systems, each with a $61 / 2^{\circ}$ widerange speaker in olled walnut finish enclosure; and speaker cable. Shpg. wt., $61 / 2^{\circ}$ wide
$543 / 4 \mathrm{lbs}$.
$22^{2} 90880$
22 P 90880wxm No Money Down*
Net 234.50


SAVE 47.62
From Individual Catalog Prices

## Sistem 23450

## LAFAYETTE 170 Watt 4-Channel Stereo Systems With Model LA-44 4-Channel Stereo Amplifier



Garrard 40B


## 4-CHANNEL TAPE STEREO SYSTEM

Usten to the spectacular sound of discrete 4 -channel stereo tapes in your nome and add great loy to your audio listening! This 4 channel system consists of the Latayette LA.44 170.Watt Compatible 4-Channel Stereo Amplifiler which plays wondertul discrete 4 -channel stereo programs from discrete 4 -channel reel-to-reel and 8 track cartidge tapes, and derives amazing 4 -channel stereo from existing 2-channel stereo records, stereo lapes and FM stereo broadcasts. The system also includes the lafayette RK: 044 and 2 Channel 8 Irack stereo Playback Deck; a Latzyette Criterion 50a 2 speaker, 2 -way bookshelf speaker systems, each with $8^{*}$ wooter and $31 / 2^{* \prime}$ direct radiator tweeter in oiled walnut finist enclosure; and speather cable. Shpg. wf., 1141/2 lbs.
22 P90898WXM No Money Down
Net 326.25
${ }^{\circ}$ See Page 23 for Full Details on Easy Pay Plan

## 4-CHANNEL PHONO STEREO SYSTEM

Thrill to the audio richness of the Sa 4-channel records and to the a-channel sound derived from your stereo records. This marvelous system consists of the latayette LA-44 4-Channel Stereo Amplifier; the Lafayette SQ-M 4 -Channel SO Decoder; the Garrard Model 40 B 3 -speed automatic furntable with matching base. the pictering P/ATE- elliptical stereo cartridge; 4 latayette Criterion 50 A p/ate.t elliptical stereo carlable. Shpg. wi.n $1233 /$ tos 22 speaker systems; and speaker cable. Shpg. wh., 123Th ins. Net 324.25
4.CHANNEL PHONO \& TAPE STEREO SYSTEM

Same system as 22 P 90211 wxM plus tafayette RK-04 4 and 2 channel 8 -Track Stereo Playback Tape Jeck. Shpg. wt., $132 \frac{1}{3} 10$ s. 22 P 90906 WXM No Money Down.

Net 387.25
You SAVE 103.82 from individual catalor prices!

## CONVERT YOUR 2-CHANNEL STEREO SYSTEM TO PLAY:

- 4-Channel SQ •
- Discrete 4-Channel
- Derived 4-Channel

Add the Lafayette LA. 975 high-power 130 -watt Deluxe SO Logic Decoder/Amplifier and 2 speakers to your present stereo system and play the exciting new So 4-Channel Stereo Quadraphonic records, Discrete 4 -Channel tapes (reel-to-reel and 8 -track cartridge), and derive rich enjoyable 4 -channel sound from your present 2-channel stereo records. stereo tapes and FM stereo broadcasts! The recelver or amplifier of existing stereo systems must have Tape Monitor facilities. The LA. 975 can also be msed as a regular 2-channel stereo amplifier in a stereo system and with the simple addition of 2 speakers it can also derive rich 4 dimensional sound from your present 2 channei stereo records, stereo tapes and FM stereo broadcasts

## LA-975 ADD-ON SYSTEMS

## 2 CRITERION 100B SPEAKER SYSTEMS and the LA-975



Criterion 1008
L4.975


## 2 CRITERION 4X SPEAKER SYSTEMS and the LA-975

Deluxe 4 -channel add-on system consisting of Lafayette La-975 highpower sophisticated SQ-Logic Decoder/Ampllfier; 2 Lafayette Criteriou 4X 4-way, 4-speaker, 50 -watt speaker systems that include a 12 woofer with large $2^{\prime \prime}$ voice coil, $5^{\prime \prime}$ mid-range driver, $3^{\prime \prime}$ highfrequency tweeter and $11 / 2^{\prime \prime}$ super-high tweeter, and high.frequenc: and mid-range controls housed in a deluxe olled walnut finish en closure with sonic ducted port $\mathrm{t}_{\mathrm{i}}$ and speaker cable. Shpg. wt., $1001 / 2$ lbs. 22 P90641wXM

Net 286.95

This excellent 4-channel add-on system consists of the Lafayette LA.975 Deluxe SQ-Logic Decoder/Amplifier; 2 Lafayette Criterion 100840 -watt, 3 -speaker, 3 -way bookshelf systems with powerful 10" woofer with $51 / 2 \mathrm{lb}$. magnet, $31 / 2^{\prime \prime}$ mid-range, $11 / 2^{\prime \prime}$ direct radiator super-tweeter, and ingh-frequency briltiance control in an acoustically tuned hand-rubbed oiled wainut finish enclosure; and speaker cable. Shpg. wt., $821 / 2$ Jbs. 22 P 90633 WXM

Net 246.75


## - <br> LA-975 2-Channel and Derived 4 Dimensional Sound Stereo Systems

 Pickering P/ATE-1 elliptical stereo cartridge with high-compliance diamond stylus; ${ }^{2}$
 wooter, $31 / 2^{\prime \prime}$ mid-range, $11 / 2^{\prime \prime}$ tweeter and brilliance control in wich oiled walnut finish
enclosure; and speaker cable. Shpg. wt., $721 /{ }^{2}$ lbs. enclosure: and 5 P
22 P $90658 W X M$

Net 285.25
LA-975 2-CHANNEL and DERIVED 4 DIMENSIONAL
SOUND STEREO SYSTEM
Same system as above plus 2 adoditional Lafayctte Criterion 17 acoustic suspension speaker systems. Shpg. Wt., 723/4 lbs.
22 P 90666 WXM

## 240-Watt AM-FM Stereo Systems

## WITH

LAFAYETTE LR.1500TA Stereo Receiver


SAVE 68.35

From Individual Cataloz Prices 437
No Money Down*

## LAFAYEITE 100-Watt Stereo Systems with LR-810 AM/FM Stereo Receiver



## 100-Watt 2-Channel Stereo Systems with LR-810

This superbly matched 2 channel stereo system features the Lafayette LR-810 100-watt AM/FM 5tereo Receiver which is not only outstanding in playing stereo records, tapes and FM stereo broadcasts, but also incorporates built in circuitry for deriving exciting, 4 dimensional audio from these pro gram sources. This system also includes the Garrard Model 400 3-Speed Automatic Turntable with an attractive match ing base; the Pickering P/ATE-1 Elliplical Stereo Cartridge with high compliance diamond stylus; 2 Lafayette Criterion SOA 2 -way bass reflex ducted port speaker systems, each with $8^{\prime \prime}$ woofer and $31 / 2^{\prime \prime}$ cone type tweeter in handsome oiled
walnut finish enclosure. With speaker cable, Shpg. wi, $76 y / 4 \mathrm{lbs}$
22 P 90831 wXM No Money Down*
Net 293.25 Same stereo system as above except with 2 Lafayette Criterion 77 3-speaker, 3 -way acoustic suspenslon speaker systems, each with $812^{\prime \prime}$ woofer and $1^{\prime \prime}$ voice coll, $31 / 2^{\prime \prime}$ midrange, $1 / 2^{\prime \prime}$ direct radiator tweeter, and high frequency brilliance control in rich, hand-rubbed oiled walnut finish en. closure, instead of Criterion 50A's. Shpg. wt., $721 / 4$ lbs 22 P90849WXM No Money Down* Net 312.25 Save 54.43 from individual catalog prices!

## 100 Watt 2-Channel and Derived 4 Dimensional Audio Stereo Systems with LR-810



## SAVE 60.29

From Individual Catalog prices

## System Price <br> 350

- Derive Exciting 4 Dimensional Audio from Your Stereo Records, Tapes, and FM Stereo Broadcasts!
Same stereo system as 22 P 90831 wXM above plus 2 additional Lafayette Criterion 50A 2 -speaker, 2 way speaker systems and cable. Shpg. wt. $1211 / 4$ ibs 22 P 90856 WXM Net 350.88
Same stereo system as 22 9 90849wKM above plus 2 additional Lafayefte Criterion 77 3speaker, 3 way bookshelf acoustic suspension speaker systems and cable. Shpg. wt., 1121 s los.
22 P 90864 WXM .............. Net 388.50 SAVE 64.67 from individual catalog prices!



# LAFAYETTE 75-Watt 2-Channel and Derived 4 Dimensional Stereo Systems with Model LR-200 AM/FM Stereo Receiver 



## 2-CHANNEL AM/FM STEREO SYSTEM

A sure best-seller, this dependable 2 -channel stereo system features the Lafayette LR-200 75 -Watt AM/FM Stereo Receiver which not only plays your present stereo program sources exceptionally well, but also includes a 4 Dimensional etreuit which derives excitfig and ful filling 4 dimensional audio from your stereo records. stereo tapes and FM stereo broadcasts. The system also includes the Garrard model 40B 3-speed automatic turniable with matching base; the Pickering P/ATE-1 elliptical stereo cartridge with high compliance diamond stylus; 2 Lafayette Crtterion $25 \AA \quad 2$-speaker 2 -way air suspension systems, each with $8^{\circ}$ woofer and $21 / 2^{\prime \prime}$ tweeter in rich olled walinut finish enclosure; and speaker cable. 22 P 90732 WxM Shog. wt., 57\% lbs.

## Net 250.95

LAFAYETTE 50 Watt Stereo

## 2-CHANNEL AND DERIVED 4 DIMENSIONAL STEREO SYSTEM

You will thrill to the fulfilling 4 dimensional sound derived from your stereo records, stereo tapes and FM stereo broadcasts! This system is the same as above system, plus 2 additional Lafayette Criterion 25A 2 -speaker, 2-way alr suspension speaker systems, and speaker cable. Shpg. wl., $831 / 4 \mathrm{lbs}$
22 P 90740 WXM No Money Down*
Net 288.95
You SAVE 53.42 from catalog unit pricesi
Systems with Model LR-100

AM/FM Stereo Receiver SAVE 45.28
From Individual Catalog Prices SYSTEM PRICE $228^{50}$

Features the Lafayette La-100 50.Watt Solid-State AM/FM Stereo Receiver which offers full-feature stereo versatility; Garrard Model 400. 3 -speed Automatic Turntable with matehing base; Pickering P/afel Elliptical Stereo Cartidge; 2 Latayette Criterion 25a 25-watt 2 -way speaker systems, each reaturing an extra-efficient $8^{\prime \prime}$ wooler and $21 / 2^{\prime \prime}$ tweeter in hand-rubbed oiled walnut finish enclosure; and speaker cable. Shpr. wt., $58 \frac{1 / 2}{}$ los.
21 P 94769 wXM No Money Down* Ne1 228.50 Same system as above encept with 2 Lafayette Criterion 50月 2 way bass reflex speaker systems, each with heavy-duty $8^{\circ}$ woofer and

$31 / 2^{\prime \prime}$ direct radiator tweeter in olled walnut finish enclosure. Shpg. wt., 7742 tos
21 P 93472 WXM No Money Down
Net 248.25 You SAVE 47.43 from catalog unit prices! same system as 21 P 93472 WXM except with Shure m5st high efticlency elliptical stereo cartridge wilth diamond stylus instead of Pickering P/ATE-1 cartridge. 5 hpg . wt., $771 / 2 \mathrm{lbs}$.
21 P 90759WXM No Money Down*
You SAVE 47.43 from catalog unit prices?
See pages 17,52,53, 83 and 88 for description of system components.


# LAFAYETTE 25-Watt Stereo Systems with Model LR-75A AM/FM Stereo Receiver 

## SAVE 22.59

From Individual Catalog Prices
SYSTEM PRICE $187^{95}$
No Money Down*


## 2 CHANNEL STEREO SYSTEMS WITH LR-75A

A truly exciting value in a complete 25 watt stereo system package! Matched for performance as well as economy, this stereo system features the Lafayette LR-75A 25 watt Solid-State AM.FM Stereo Receiver with full stereo performance capability, pleasing complementary styling, and buift-In clrcuit for deriving thrilling 4 dimensional sound from 2 -channel stereo records, stereo tapes, and FM stereo broadcasts; the Garrard Model 30 " 4 -Speed Automatic Turntable with oversized turntable, elficient ceramic stereo cartridge and long-life diamond stylus; attractive Matching Jumtable Base for Model 30; and 2 Latayett Criterion 2 X neatly styled, efficient

2-way olled walnut finish bookshelf speaker systems, each with fine performing $6^{\prime \prime}$ wooter and $34 / 2^{\prime \prime}$ cone-type tweeter; with speaker cable. Shpg. wt. $45 \mathrm{~L} / \mathrm{lbs}$.
22 P 90708 WXM No Money Down*
Net 187.95
Same stereo system as 22 P 90708 WXM except with 2 Lafayette Criterion 25A 25-watt 2 -way speaker systems with highly efficient $8^{\prime \prime}$ woofer and $21 / 2^{\prime \prime}$ tweeter in attractive olled walnut finish enclosure instead of Criterion $2 \times$ 's. Shog. wt., 52 V ths.
22 P 90690 WXM No Money Down**........... Net 196.So YOU SAVE 23.54 form individual catalog prices!

2 Channel and Derived 4 Dimensional Audio Stereo Systems With LR-75A


SAVE 29.37
From Individual Catalog Prices


- Derive Deeply Fulfilling 4 Dimensional Audio from Your Stereo Records, Stereo Tapes, and FM Stereo Broadcasts
Same stereo system as 22P90708WXM, plus 2 Lafayette Criterion $2 \times 2$-way neatly styled and efficient speaker systems. With speaker cable. Shps. wt., $633 / 4 \mathrm{lbs}$. No Money Down ${ }^{\text {. }}$

Net 217.25
Same system as 22 P 90690 WXM plus 2 Lafayette Criterion 25A 25 watt 2 -way speaker systems with $8^{\prime \prime}$ woofer and $21 / 2^{\prime \prime}$ tweeter in walnut finish enclosure. com plete with speaker cable. Shpg. wt., 773/4 lbs. No Money Down ${ }^{\circ}$.
22 P 90724 WXM
Net 234.45
You SAVE 31.17 from individual catalog prices!


See Pages 18,52 and $\mathbf{8 0 8 4}$ for Full Description of System Components

## LAFAYETTE 160-Watt Stereo Phono Systems with LA-150 Stereo Amplifier



## 160-Watt 2-Channel Stereo Phono Systems with LA-150

An exceptlonal 2-channel stereo phono system that features Latayette's 160 -Watt 2 -Channel $\mathbf{S}^{2}$ teres Amplifier Model LA- 150 with bulit-in circuit for deriving 4 dimensional stereophonic audio from 2-channel stereo records, stereo lapes and FM stereo broadcasts. System also includes the Carrard Model 40 B 3 . Speed Automatic Tumlable with attractive matchint isase; the Pichering v. 15 Micre IV/acE Elliptical Stereo Cartidge with high compliance diamond stylus; 2 latayelte Criterion 17 3-speaker, 3 -way acoustic suspension speaker systems, each with $81 / 2^{\prime \prime}$ wooter with $1^{\circ}$ voice coll, $342^{\circ}$ mid-range. $11 / 2^{\circ}$ direct-radiator lype tweeter and high-frequency billilance control in rich, hand.rubbed olled walnut finish enclosupe with a tastefully accented brown grilte cloth to blend with any decorating
scheme, and speaker cable. Shpg. wt., $714 / \mathrm{lbs}$. 22 P 90799wxM
2 P 9079 wpeaker cable. Snpg. wt. 71 Same stereo system as above eacept with 2 Lafayente Net 272.25 3 -speaker, 3 -way acoustic suspension speaker systems criterion 150 A $10^{\circ}$ acoustic suspension woiter with $11_{4}$ er systems, each with coll $3^{\circ}$. cile tweeter, erossover network, and high-frequency level control housed In a lumuriant hand-rubbed olled walnut finish enclosure constructed of $58^{\circ}$ " wood with fiberglass packing for optimum acousfic response, Instead of the Criterion 77's. 22 P $90807 W \times M$ Snpg, wt. $761 / 4$ lbs. YOU SAVE 52.93 from individual Catalog Prices!

Net 303.75

160-Watt 2-Channel and Derived 4 Dimensional Audio Stereo Systems with LA-150
SAVE 59.67
from Individual Calalog Prices

## System Price <br> $348^{50}$

No Money Down*
You can enjoy your stereo records, stereo tapes and FM stereo broadcasts more than ever with LA-150 Derived 4 Dimensional Sound!
Same stereo system as 12 P 90799 WXM plus 2 Lafayetto Criterion 17 3-speaker, 3-way acoustic suspension speaker systems. With cable. Shpg. wt, 111 年 lbs. 22 P90815wXM

Net 348.50 Same stereo system as 22 P 90807 wxM plus 2 Lafayette Criterion 150 A 3-speaker, 3-way acousfic suspension speaker systems, With cable. Shpg. wt. $1207 / 4 \mathrm{lbs}$. No Money Down* 22 P90823wXM. Net 411.50 You SAVE 66.67 from Individual Cate. log Prices!


See Pages 24, 53, 55, 80-84, and 88 for full description of system eomponents.


# LAFAYETTE 100-Watt Stereo Phono Systems with LA-950 Stereo Amplifier 

 SAVE 43.18From Individual Catalog Prices



Pickerint P/ATE-1 Elliptical Cartridge

## 100-Watt 2-Channel Stereo Systems with LA-950

A feature packed 2-channel stereo phono system that features the Lefryette LA-950 too-watt solio-state stereo Amplifier with builtin circult for 4 Dlmensional Stereg; the Garrard Model 4083 .5peed automatic turntable with neatly designed mafching base; the Pick. ering P/ate-1 Elliptical stereo Cartridge with high compliance diamond stylus; 2 Lafarette Criterion 50 a 2 -way bass reflex ductedport speaker systems with $8^{\circ}$ woofer and $31 / 2^{\prime \prime}$ cone-type direct. radiator tweeter in decorative oiled wainut finish enclosures; and speaker cable. Shig. wi., $707 / 4$ ibs.
22 P90757WXM

Same stereo system as above except with 2 famous Lafayette Criter. iten 10083 -way, s-speaker systems, each with $10^{\prime \prime}$ woofer with $51 / 2$ ib. magnet. $31 / 2^{\prime \prime}$ mid-range, $11 / 2^{\prime \prime}$ super-tweeter, $2 \mathrm{~L} / \mathrm{C}$ crossover networks and brilliance control in a handsome oiled walnut finished enclosure, instead of the Criterion 50A's. Shpg. wt., $881 / 4 \mathrm{lbs}$ 22 P 90765WXM No Money Down*

Net 246.75 SAve 47,33 from individual Catalos Pites! Lafayette matching AM/FM Stereo Tuner Model elv-725A for above systems. Shps. wt., 13 lbs . 99 P 02297WX No Money Down*

Net 139.95

## 100-Watt 2-Channel and Derived 4 Dimensional Stereo Systems with LA-950



From Individual Catalog Prices

## SYSTEM PRICE <br> $267^{95}$

No Money Down*

- Oerive Thrilling 4 Dimensional Sound from Your Stereo Records, Stereo Tapes and FM Stereo Broadcasts
Same stereo system as 22 P 90757 WXM above, pias 2 Larayelte Criterion 504 2-way speaker systems, with speaker cable. Shog. wt. $1151 / 4 \mathrm{los}$.
22 P90773WXM
Net 267.95
P90765wXM above, plus 2 Lafayette criterion 100 B 3 -way, 3-speaker systems with speaker cable.
Shpg, wt, $1511 / 4$ lbs.
22 p'907ftwx
Net 340.75 Prices! 59.22 from Individual Catalog Prices!
See Pages 25, 29, 53, 54, 33 and sa for fulf description of syitem compenents.



## LAFAYETTE 50-Watt Stereo Systems with LA-375 Stereo Amplifier



## 50-Watt 2-Channel Stereo Systems with LA-375

A budget-priced system with high periormance, this Lafayette matched stereo system consists of the Lafayette LA-375 50-Watt Solid State 2 Channel and Oerived 4 Dimensional Audio Stereo Amplifier; Garrard Model $40 B$ 3-Speed Automatic Turntable with neatly designed matching base; Pichering P/ape-i Elfiptical Stereo Cartridge with high compliance diamond stylus; and 2 lafayefte Criterion 254 efficient 25 -watt 2 -way air-suspension speaker sys. tems, each with $8^{\prime \prime}$ wooler, and $24 / 2^{*}$ tweeter in decorative handrubbed olled-walnut finish enclosure. With cables.
22 P 90252 Wxm Shpg. wt. $48 \frac{1}{2} \mathrm{Ibs}$.

Same sysfem as 22 P 90252 wxM except with two Lafayette Crlterion $50 \mathrm{~A}, 30$-watt 2 -speaker 2 -way bookshell speaker systems, each with $8^{*}$ woofer with ${ }^{2}$ " aluminum voice coil and $31 / 2^{\prime \prime}$ cone-type radiator tweeter in rich hand-rubbed olled-walnut finish enclosure instead of Criterion 25A's. Shpg. wt. 674/2 lbs.
22 P 90583WXM
Net 185.25
YOU SAVE 40.33 Irom individual catalog prices!

50-Watt 2-Channel and Derived 4-Dimensional Sound Stereo Systems with LA-375


SAVE SYSTEM PRICE 46.11 From Individual Catalog Pilces

Same system as 22 P 90252 WXM plus 2 additional Lafayetle Criterion 25A 25-watt, 2-way all-suspension speaher systems for thriling derlued 4 dimensional audlo. Shag. wh, $733 / 4 \mathrm{lbs}$ 22 P90591 WXM

Net 203.25
Same system as 22 P 90583 wxM plus 2 additional Latayefte Criterion 50A, 2 -speaker. 2 -way speaker systems for enjoyable derived 4 -dimensional audlo. Wt, $1113 / 4$ tbs. 22 P 90609 wx $\quad$ Net 242.88 YOU SAVE 50.28 from individual catalor prices!
 See Pages 26,52, 53, 83, and 88 for full description of system eomponents.


## Alternate Speakers



A value packed stereo system that includes the popular Lafayatte LA. 25 30-Watt Solid-State $\$$ Stereo Amplifier. The LA. 25 leatures inpuls for magnetic and ceramic cartridges, a Main/Remote speaker swifch that permits enjoyment of stereo programs in your favorite remote listeniag area as well as in your living room or den, a front panel stereo headphone jach for private listening to your favorite programs without disturbing others, and a full complement of controls enabling you to "tailor" the sound to your own personal tastes. The Garrard Model 4083 -Speed Automatic Turntable has viscous damped single laver cueing; handsome matching furntable base; and a Picker. ing P/ATE-1 Elliptical Stereo Cartridee with hish-compliance diamond stylus; and 2 Lafayette Criterion 2 X highly-efficient 2 -way bookshelf speaker systems, each with a fine performing $6^{\prime \prime}$ woofer and $34 z^{\prime \prime}$ cone-type tweeter in a neatly styled oiled walnut finish cabinet; and speaker cable are also included.
22 P 90574 wXM Shpg. wt.. $391 / 4$ lbs. $\qquad$ Net 128.95

Same stereo system as above except with 2 Lafarette Criterion 25a 25.watt ¿-way speaker systems, each with an extra efficient $8^{\prime \prime}$ woofer and $24 / 2{ }^{-}$iweeter housed in an attractive hand rubbed olled walnut finish enclosure, Instead of the Criterion $2 x$ 's.
22 P 90es 2 WXM Shpg. wt., $463 / \mathrm{lbs}$.

## Vou Save $\$ 35.03$ trom Individual Catalot Prices!

See Pages 28,52, 33, and 88 for full description of system components.

# Professional Solil-State Componenins by dunact 

## NEWI AF-6 SOLID-STATE AM/FM STEREO TUNER



- For Kit Builder All Printed Circult Maduhes Are Preassembled, Prealigned, and Tested
- FM Seasitivity: $1.75 \mu V$


## 1099 <br> No Money Down*

## WIRED <br>  <br> No Money Down*

The new AF. 6 AM/TM solld-state tuner has all the features of the FM-5 stereo FM tuner combined whth an outstanding Am luner secfion. The AM section reatures a uniquely engineered RF and mixer section with AM performance that rivals FM? The FM section features "Dynalune(TM)" which automatic. alty fine-tunes a station to the minimum disfortion point. SPECIFICATIONS: FM Section: IMF Sensilivity: $1.75 \mu \mathrm{~V}_{i}$ Freq. Response: $20.15 \mathrm{kHz} \pm 1 \mathrm{db}$; Harmonic and im Distor. tion: $0.5 \%$ : Caplure Ratio: 1.50 b ; Selectivity (Alternate Channel): 65 ob . AM Section: Sensitivity: 50 mV . Slze: $134 / 2 \mathrm{~W}$ a $101 / 2 \mathrm{D} \times 41 / \mathrm{H} / \mathrm{H}$ For $120 / 240$ vich, $50 / 60 \mathrm{Mz}, 12$ watts. Shpp. for $120 / 24$
wi. 13 bs.
$21^{W}$ P 23602 W AF. 6 Kit
AF.6A Factory Wired and Tested
21 P 23510 W Snpg. wt. 13 lbs . Net 299.95

> PAT-4 STEREO PRE-AMPLIFIER

- Dyna Tone Control Circuit
No Money Down*

Delure solid state stereo pre-amplifier offering complete control racilities for any concervable stereo or music system source. Feafures exclusive "Dyna Tone Control Circuit" to assure truly flat response (patent Pending). Also features a switch selected high frequency filter hi 7, 10, and 15 hHz . Plus flat position. specifications: freq. Response: $=0.5 \mathrm{db}$ trom 10 to $100,000 \mathrm{~Hz}$. Harmonic Distortion less than $0.05 \%$ at 2 volts output Detween 20 Hz and $20,000 \mathrm{~Hz}$. IM: less than $0.5 \%$ at 2 volts outpult Tone Control Range $\pm 12 \mathrm{db}$ at 50 Hz and 10,000 Hz . Noise: less than 2 mv .8 siticon Transis. tors, 2 diodes. For 120 or 240 volts 50 or 60 Mz. Shper. wt., 9 lbs. Slize: $131 / 2 \times 41 / \times 8^{5}$.
21 P 23255 W PATA Kit ..........Net 94.95
PAT.4A Factory wired and Tested
21 P 2326 3W ...........................Net 159.95

## NEWI STEREO-400 400-WATT STEREO POWER AMPLIFIER



- Power Output:

200 Watts RMS per Channel at 8 Ohms 300.Watts RMS per Channel at 40 hms

## KIT 41095 <br> No Money Down*

## WIRED 11895

Delure high power amplifier fealures the "Dynaguard" circuit a dynamic power limIter used to select the maximum power de. livered to each channel. Incorporates a 10 sec. time-delay at furn on, and, hi and low frequency linear-phase filters. Individually adjustable input level controls. Circuit modules are preassembled and tested in the tit version. SPECIFICATIONS: Freq. Response: version. SPECIFICATIONS: Freq, Response:
$10-50 \mathrm{MHz}+0,-10 \mathrm{D}$ e 1 -walt: $20-20 \mathrm{kHz}$ at $10-50 \mathrm{MHz}+0,-1 \mathrm{dD}$ el 1 -wart: $20-20 \mathrm{hHz}$ at
nated Dower $\pm \mathrm{Yadb}$; Distortions less than $0.25 \%$ at rated power, Noises 106 db below 200 watts; Senstivily (Input): 1.6 V RMS for 200 watts. $100 \%$ stabilliy under any load. Site: 16 x $121 / 2$ x $7^{\prime} \mathrm{H}$. For 117 VAC, 60 Mz . Sire: $16 \times 124 / 2 \times$
21 23628xr stereo-400 Kh .. Net 399.95
Stereo. 400 A --Factory wired and Tested
21 P 23636 XYShpE. wt. 48 ibs. Net 499.95

## STEREO-120 <br> POWER AMPLIFIER



- 60-Watts RMS Power Output Per Channel


## $159^{51}$ <br> Ne Money Down

 solters superb pertormance amplifier which ion to the PAT-4. No interstage or oulput transformers are used, Power output per channel: 60 watts RMS in 8 otms. Features: Electronic protection against open circults or shorts; by means of a current limiting biasing circult. No fuses or circuit breakers are needed. SPECIFICATIONS: Frequency Response: 10 Hz to $100 \mathrm{HHz}_{2} \pm 0.5 \mathrm{db}$. Harmonic Distortion: less than $0.5 \%$ at any power level UD to 60 watts. IM Distortion: less than $0.5 \%$ up to 60 watts. Noise: 95 db below rated cuiput. 15 Transistors, 15 dbodes. Size. $13 \times 101 / \mathrm{S}^{2}$. For $120 / 240 \mathrm{VAC} 50 / 60 \mathrm{~Hz}$. Shpr. wt., 19 lbs.
21 P 23230W Kit
Net 159.95
Stereo. 120 A-Factory wired and Tested
21 P 23248 W
Net 199.95

## NEWI SCA-800 INTEGRATED STEREO AMPLIFIER



- Power Output: 40 . Watts RMS per Channel
- Built-in Quadaptor Circuitry for DerivIng 4 Dimensional Sound from 2 -Channel Sources


## $16^{99^{5}}$

No Money Down*
No Money Down: solid state, integrated stereo conirol ampli. fier combining the power amplifier of the famous Stereo. 80 and a preamplifier incorpora. ting most of the features of the PAT-4 Dlus a built In Quadaptor for deriving 4 Dimensional sound from your 2 -channel stereo records, tapes, and FM broadeasts. 40 -watts RMS Der channel @ less thin $0.5 \%$ M.D. fram 20 20,000 H2 et full power. Power Bandwidth: ${ }_{6} \mathrm{~Hz}_{2}$ to 50 HHz . Input Sensitivity: Phono. 3 mv; Migh Level, 0.13 v . Mum and Noise: Phono, better than -60 db ; High level, better than -80 db . Tape monitor switch, speater selector switch, front panel stereo headphone jach. Size: $131 / 2 \times 44 / 4 \times 10^{\circ}$ D. For 120/240 VAC 5060 Mz . Shpg. wi., 17 lbs .
21 P 23321 W SCA-800 Kit . Net 169.95
SCA-800 Factory wired and Tested
21 P 23313 w
.Net 249.55

## QUADAPTOR: <br> 4 DIMENSIONAL STEREO ADAPTOR



Add the Quadaptor and two speakers to your 2.channel stereo amplifier or receiver - and listen to a dimensional stereo sound from your present records, lapes, and FM-stereo broadcasts. Provides faithfus reproduction of the original "recording sludio sound", the added ambience (reflected sound) in stereo recordings-which is normally not heard in conventional 2 .speaker system. Shpg. wt., 3 lbs. Size $7 \times 7 \times 8^{\circ}$.
21 P 23586 Quadaptor Kit ....Net 15.95 21 P 23594 Quadaptor Wired Nel 29.95

## OTHER DYNA COMPONENTS

Stereo. 80 Power Amplifier Kit- $\mathbf{4 0}$-Watts RMS Power Output per channel. For $120 / 220$ VAC, $50 / 60 \mathrm{~Hz}$. Size: $131 / 2 \times 41 / 2 \times 9^{\circ} \mathrm{D}$. Wt., 14 lbs . 21 P 23289 w No Money Down" Net 119.95
Stere0.80 Factory wired and Tested
21 P 23297 W No Money Down* Nel 159.95
FM. 5 Stereo fM Tuner Kit
21 P 23560 WxNo Money Down ${ }^{\circ}$ Net 159.95
FM.3A Factory Wired and Tested
21 P 2357 W No Money Down* . Net 249.95

# MARANTZ Solid-State AM/FM Stereo Receivers 

## Model 2230 AM/FM Stereo Receiver



Ulira low-distortion FET circuitry and outstanding features highlight this AM/FM stereo recelver. Oeilvers 60 watts continuous power at 8 ohms, at a THD of $0.5 \%$. FM sensitivity is $2.0 \mu \mathrm{~V}$, and capture ratio is 2.5 db . Front panel controls include: stepped bass, mid-ranze, and treble controls for precise, repeatable talloring of sound. Bal. ance volume, and selector switches, pushbuttons for tape monitor, mono, stereo, low and high filters, loudness, muting, maln and remote loudspeakers, and AC power. Gyro-Touch tuning, iuning meter, and stereo indicator light. Front panel headphone jack, and dubbing facks. Provisions for connecting tape decks, turntables, and 4 . channel adapter. Massive heat sinks and automatic output protec. tion for both circultry and speakers. Completely enclosed metal chassis finished in simulated walnut. Sizes: $16 \%$ a $5 \mathrm{z} 14{ }^{\mathrm{m}}$. For $117 \mathrm{VAC}, 60 \mathrm{Mz}$. Imported. Shpg wt, 32 tbs
21 P $50233 W \mathrm{WX}$ No Money Down*
Net 349.95
Walnut Wood Cose for Model $\mathbf{2 2 3 0}$. Shpg. wt., 11 lbs.
21 P 5025 ow
Net 29.95


Professional quality AM/FM stereo receiver. Delivers a full 90 watts continuous power at 8 ohms, from $20.20,000 \mathrm{~Hz}$, whith under $0.3 \%$ total harmonic and intermodulation distorfion. The FM section has a sensitivity of $1.7 \mu \mathrm{~V}$, a capture ratio of 1.6 db . and features GyroTouch funing and both signal strength and center channel meters. The preamp control section features dual stepped bass. midrange, and treble controls, provisions for 4 channet adapter and two tape decks. Front panel also has: Pushbuttons for tape monitor, monor stereo, low and high filters, loudness, muting- ma in and remote speaker setection, and AC power. Headohone jach and dubbing jachs, Function indicator lights. Power amplifier has direct coupled outpu stage and automatic protection circultry for internal circuitry and associated speakers. Completely enclosed metal chassis is finished ir simulated wainut, size: $16 \% \times 5 \mathrm{k} 14^{\mathrm{m}}$. For $117 \mathrm{VAC}, 60 \mathrm{Mz}$. Imported, Shpg. wt., 37 lbs .
2 t $\$ 5024$ twx No Money Down.
Walnut Woed Case for Model 2245. Shpg. wt., 11 lbs.
21 P 50258 W
Nei 449.95
Net 29.95

NEW! Model 4415 "Quadradial 4" AM/FM Stereo Receiver


- Power Output 60 Watts Continuous RMS Into 8 Ohms


## $399^{35}$

Fine performing 4.channel AM/FM stereo receiver. Mose switch selects Mono, Stereo, Discrete 4-Channel, Vari-Matrix synthesized 4. channel, or SO 4 -channel. Three horizontai slide controls adjust front. rear, and front.rear balance. A fult complement of inputs and outputs include provisions for connecling a 4 -channel tape deck. Pushswitches control main and remote speakers, tape monltor. and FM mufing. Blackout dial with Illuminated function indicator and signal strength meter and stereo indicator light. SQ decoder jach for optional soA. 1 oecoder. Defivers 60 watts continuous power ( $15 \mathrm{~W} / \mathrm{ch}$ ) at 8 ohms, with less than $0.9 \%$ total harmonic and intermodulation distortion. FM sensitivity is 2.8 uY. Sizes $16 \%$ 天 $5 \times 141 / 4 "$ For $1 \mathrm{JIVAC}, 50 / 60$ Hz Imported. Shpf. wt., 42 los.
21 P S0266Wx No Money Down
SoA-1 Plug in SQ 4-channel decoder. Shpg. wt.. 2 ibs.
21 P 50282 No Money Oown
Walnut Wood Case for Model 4415. Shpg. wt., 11 lbs
.Net 399.95
Net 49.95
Net 29.95

NEW: Deluxe Model 4430 "Ouadradial 4" AM/FM Stereo Receiver


Tremendously versatile AM/FM receiver that handies both 4 -channel and 2-channel stereo sound, Mode switch selects Mono. Stereo, Dis. crete 4 -Channel. Vari Matrix synthesized 4 -Cmannelf, and SQ 4-Channel with optional SOA. 1 adapter. Pushbuttons controi iape monitor. FM muting, speaker selection, and AC power. Three slide controls adjust front, rear, and front-reap balance. Blachout Jial has 2 tuning meters. stereo indicator light, and exclusive Gyro-Touch tuning. Front and rear headphone jacks. FM sensitivity is $1.7 \mu \mathrm{~V}$. Amplifier section de livers 120 watts continuous power into 8 ohms ( $30 \mathrm{~W} / \mathrm{ch}$ ). with total harmonic and intermodulation distortion under $0.3 \%$. size 16 V , 5 I $141 / 4{ }^{2}$. For 117 Var . $50 / 6 \mathrm{~Hz}$. Imported. Shpg. wt., 52 lbs.
$2 t$ P 50274Wx No Money Down*
Nef 599.95
SOA-1 Plue. In SO 4 -channel decoder. Shpg. wt. 2 lbs.
21 P 50282 No Money Down*
Walnut Wood Case for Modet 4415. Shpg. wi., 11 lbs.
21 P50258w
-See Pake 23 for Full Details on Easy Pay Plan

## HARMAN/KARDON Solii-State Receivers

## NEW! Model 75+ AM/FM Multichannel Stereo Receiver

- Power Output: $4 \times 18$-Watts/RMS Into 8-Ohms
- External Dolby Tape Monitor Switch

A moderate priced 4-channel AM/FM receiver with a single Itver. type control for balancing the sound level of all four channels simultaneously! Built-in wideband 4 -channel So Matrix Decoder for decoding so program sources into thrilling 4 -channel sound. Has iwin power supplies for optimum performance. Other fealures include $2 / 4 \cdot \mathrm{ch}$. headphone jachs; Main/Remote speaker switches for 2 and 4 -channel operation; tape monitor; FM muling: Bass and Treble tone controls. SPECIFICATIONS: Amplifier $2 \times$ 45 -watts RMS of $4 \times 18$-watts RMS both channels driven at less than $0.5 \%$ THO Power Bandwidth: 10.40 kHz . Tuner: FM Sensitivity. $2.0{ }_{\mu} V$; Caplure Ratio: 2.5 db . MPX separation: 35 db . Size: $164 \%^{W}$ \& 150 i 5 m . For $117 \mathrm{VAC}, 60 \mathrm{Mz}$, Shpg wh. 28 lbs. 21 P42891w
1399.95 21 Palnut Wood Enclosure for Model 75 4. Shpe. wi. il ibs. 21 P 42909w No Money Down* ..........................Net 34.95

$399^{5}$

- Built-in SQ Matrix Decoder For Playing 4-Channel SQ Records


## NEW: Model 100+AM/FM Multichannel Stereo Receiver

- Power Output: $4 \times 24$-Watts RMS Into 8 Ohms
- External Dolby Tape Monitor Switch

Compalible 4 and 2 -channel AM/FM receiver with builtin ultra. wideband SO Matrix Decoder for listening to 4-channet SQ program sources. Also includes: special circultry that derives 4 channel sound from conventionsl 2-channel stereo program sources Twin power supplies produce either 2 -channels a 57.5 . watts RMS/Channel or 4.channels @24-walts RMS/Channel both channels driven at less than 0.5\% THO. Other features include 2 Tape Monitors. Main/Remote speaker switches, IM muting, 2/4 ch. headphone jacks. stereo FM indicator lighi. Bass and Treble
 lone controls. SPECIFICATIONS: Amplifier: Power Bandwidth: 10 40 kHz . Tuner: FM Sensitivity: 1.9 nV ; Caplure Ratio: 2.200; MPX Separation: 35 dh. Size: $183 \mathrm{Wx} 151 / 4 \mathrm{Dx} 5^{\circ} \mathrm{H}$. For 117 VAC 60 Hz . 21 P $42925 W X$ Shpg. wi.. $30 \mathrm{lbs} . . . . . . . . . . . . . . . . . . ~ N e t ~$
Watnut Wood Enclosure for Model 1004 . Shpg. Wh. 11 los.

No Money Down* Wainut Wood Enclosure for Model 100 +. Shpts. wh. 11 lbs.

Net 34.95

- Built-in SQ Matrix Decoder For Playing 4-Channel SQ Records


## NEW: Model 150+AM/FM Multichannel Stereo Receiver

- Power Output: $4 \times 30$-Watts RMS Into 8 Ohms
- External Dolby Tape Monitor Switch

A deluxe s-channel AM/FM recelver designed for fienibility and fine perlormance. Plays all types of 4 .channel program sources including the new 4 -channel SO recores and 4 -channel SO FMM broadcasts. Features an ultrawideband a-channel so Decoder. Derives 4 -channel sound from 2 -channel stereo proeram sources. Also includes: twin power supplies, $2 / 4$. Channel headphone output jacks; single lever sound Balance control; Bass, Treble, and Midfrange tone controls: 2. Tape Monitor swltches: "Quioting" meter for IM tunthe. SPECIFICATIONS: Amplifier: $2 \times 70$-walts RMS of 4 30 -watts RMS ( 8.0 chms ) both channels driven at less than $0.5 \%$ THD; Power Bandwidth: 10.40 hHz . Tuner: FMM Sensitivfly: $1.8 \mu \mathrm{~V}$; Capture Ratlo: 1.6 dB . Size: $187 / \mathrm{WW} \times 151 / 4 \mathrm{D} \times 5 \mathrm{H}$. for $117 \mathrm{VaC}, 60 \mathrm{~Hz}$.
21 P 42917 WX Shpg. wt., 32 tbs. ......................Net 599.95 Wainul Wood Enclosure for Model 150 . Shps. Wt., 11 lbs. 21 P 4293 Jw No Money Down ${ }^{\text {a }}$


## $599^{8}$

- Built-in SQ Matrix Decoder For Playing 4-Channel SQ Records


## Model 630 Twin Powered AM/FM Stereo Receiver

- 30/30-Watts RMS Into 8 Ohms

Fine performing 2-channel stereo AM/FM receiver has iwin power suppiles which results in complete isolation of both amplifier ehannets. Features separate bass and treble controls: tape moni. tor with 2 sets of pape outputs; stereo headphone gack; Main/Re. mote speaker switching: and preamp/amplifier sections that may be electrically separafed for hexible operation, Large ilhuminated luning meler. FM muting. and counterweighted flywheel for smooth tuning action SPECIFICATIONS: Power oulput: 30.watts pus per ehannet both ehannels driven with less than 0.5\% THO: Power
 output: Tuner: fM Sensitivity: $1.9{ }^{\mu \mathrm{V}}$; Capture $117 \mathrm{VAC}, 60 \mathrm{~Hz}$,
 Wainut Enclosure for Model 630 . Shpt. Wt., 11 lbs. 21 P 4288 JW No Money Down*

Net 34.95


- Separate Power Supplies For Complete Isolation of Both Amplifier Sections


## EICO Solid-State HI-FI Components

## CORTINA 3780 50-WRIT AM/FM STEREO RECEIVER



## WIRED <br> 

- All Silicon Audio Amplifier Section Delivers 50 -Watts $\pm 1 \mathrm{db}$ at 40 hms
- Pre Assembled and Pre-Aligned RF, IF and MPX Sections

Featupes time switching multiplex tuner circuit, plus FET and all silicon solid.state circuitry. FM SECTIOM-Sensitivity (IHF): $3.5 \mu \mathrm{~V}$ for 30 db quieting. Harmonic Distortion: less than $1.75 \%$. Stereo Separation; 33 db is 1 KHz . AMPLIFIER SECTIOM-Frequency Response: 20 to $20,000 \mathrm{Mz}$. Channe! Separation: 45 db . Input Sensitivity: 3.8 mV mag. phono; 300 mV all others. Input Impedance: 47 K mar. phono; 100 K all others. Output Impedance: 4.16 ohms For $105-130 \mathrm{VAC}$, $50 / 60 \mathrm{~Hz}$. Size: $4 \mathrm{~m} 161 / 2 \times 91 / \mathrm{m}^{2}$. Shpg. wt., $15 \% / 4 \mathrm{lbs}$ 21 P 26043 WX' Model 3780 Kit No Money Down

Net 109.95
21 P 26050 WX Model 3780 Wired No Money Down
Net 169.95

CORTINA 3080 50-WATT STEREO AMPLIFIER


Extremely compact. "Iow silhouette" design. Output: 50 watts $\pm 1 \mathrm{db}$ @ 4 ohms. Re sponse: 20 to $20,000 \mathrm{Mz}$. Separation: 45 db . Sensitivity: Mag. Phono 3.8 mV ; Aux., and Tape 300 mV . Impedance: Mag phono $47 \mathrm{~K}_{\text {; }}$ Aux., and Tape 100K ohms. Power Bandwidth: 20 to $30,000 \mathrm{~Hz}$. Output Imped., $4-16$ Ohms. Front panel stereo healphone jack. Includes vinyl clad metal cablnet. For 105 130 VAC. $50 / 60 \mathrm{~Hz}$. Size: 34 /8 $127 / 4 \times 63 / /^{\circ} \mathrm{D}$. Shpg. wt., 11 lbs Model 3080 Kit
21 P 26001 W No Money Down $^{\circ}$ Net 69.95 Model 3080 Wired
21 P 26019 W No Money Down* Net 109.95

CORTINA 3300 FET AMM/FM STEREO TUNER


Pre-Assembled and pre-aligned RF. If and MPX sections. Advanced FET wideband circultry for maximum sensitivity, selectivity, separation and stability. Outputs for direct "off-the air" tape recording. Features disap. pearing black tuning diaf. Speciflcation FM SECTION-Sensitivity (IMF): $3.5 \mu \mathrm{~V}$. Hapmonic Distortion: less than $1.75 \%$. Capture Ratio: less than $4 \%$. $\mathrm{S} / \mathrm{N}$ Ratio: 60 th. Stereo Separation: 33 ob @ 1 kHz AM SECTION-Usable Sensitivity (INF): 200 $\mu \mathrm{V} / \mathrm{m} . \$ / \mathrm{N}$ Ratio: 45 db . Selectivity: 30 db . Includes vinyl metal cabinet. Sizes: $31 / \mathrm{z}$ a $123 / 4 \times 61 / 4=0$. Shps. wt. 9 lbs .
21 P 26027w Model 3300 Kit Net 69.95
21 P 26035 WX Model 3300 Wired 109.95

EICO "QUATRASONIC" 4 DIMENSIONAL ADAPTER


Convert your present stereo system to 4 dimensionat stereo sound. Just add the Qua. trasonic adapter and two speakers. No adalthonal stereo amplifier is needed. You will be able to listen to the reflected sounds al. ready present on your records and tapes that cannof normally be heard on a conventional 2 speaker stereo system. Requires no AC power. Size $34 / 4 \mathrm{H} 5 \mathrm{~W} \times 63 / 4 \mathrm{~T}$. Shpg, wt., 4 los.
Quatrasonic Kit
21 P 26068
Net 17.95
Quatrasonic Wired
21 P 26076
Net 29.95

## CORTINA 3070 80-WATT STEREO AMPLIFIER


"All Silicon Solid State Design" offers powerful performance and true.to-life sound Delivers 40 watts of continuous power per channel $\pm 1 \mathrm{lb}$ at 4 ohms, 35 watts HHF hit 4 ohms. Free. Response: $5100,000 \mathrm{~Hz}+1.5$ db ; $8 \cdot 60,000 \mathrm{~Hz}+0.5 \mathrm{db}$. Mum and Moise: 72 db below azted output. Input sensitivity: 4.2 mv on magnetic phono; 270 mv on aut. lilary, tuner and tape. input Impedance: 47 k ohm on magnetic phono; 110 k minimum on other inputs. Danish walnut vinyi ciad case. for $105-130 \mathrm{~V} 50 / 60 \mathrm{~Hz}$ Ac. $31 / 4 \times 10 \times 73 / /^{*} \mathrm{D}$. Shpg. wt. $132 / 2 \mathrm{lbs}$.
21 P 25375 W Model 3070 Kit Net 99.95
21 P 25383 W Model 3070 Wired 139.95

## Build Your Own 50-Watt Hi-Fi Phono System LAFAYETEE, and GARRARD Components



2-LAFAYETTE SK-228
8* SPEAKERS

# SAVE 24.65 <br> From Incividual Catalog Prices 

## cismem $212^{95}$

This fine performing hit builder's system consists of: EICO 3080 so-watt Solid-State Stereo Ampllfier Kit, 2-Lafayelte SK-228 ginch 3-way Mi-Fi Speakers, 2-Lafayette walnut mood Bookshelf \$peaker Enclosures, Garrard 40B 4-Speed Automatic Record Chanzer with matchint base, Piekering. PAT/E-1 Elliplical Sterea cartridge, and 100 ft . speaker hook-up cable, Shpg. wt., 80 lbs. 99 P 92595 WxM No Money Oown* 212.95 50-Watt AM/FM Stereo Phono System Same as above but also Includes EICO 3300 AM/FM Stereo Tuner Kit. Shpg. wt., 86 lbs. 99 P 92603 WXM No Money Down* 275.90

# Solid-State Compact Home Music Systems NEW! SANYO XXT. 450 O AM/FM/FW Stereo Cassette Phomo $169^{95}$ Includes Plastic Dust Cover, Microphone, and 30 Minute Blank Cassette Tape <br> This compact stereo system provides fine stereo reproduction from either stereo broadcasts, records, or cassetes. The GXT-4500 also lets you record on tape cassettes: "Ilive" with microphones, or electronically from the receiver, phonograph records, or from an external source. The receiver section includes a sensitive AM/FM/ FM stereo tuner, and a 25 -watt stereo power amplifier. Front panel includes stereo headphone jack. The record changer is 4 -speed with a highly reliable automatic changing mechanism and induction motor. The tone arm has a ceramic stereo turnover cartridge. The cassette tape deck includes an auto-stop mechanism. When a tape ends, in either record or play-back mode, the mechanism disengages automatically. Each bookshelf speaker enclosure contains a wide-range $61 / 2$ Inch speaker. The controt center and speaker enclosures are wainut-finished cabinetry. Includes a plastic dust cover, 1 microphone, and a 30 minute biank cassette. size: Ea. speaker system, $13 \mathrm{~V} / 2 \mathrm{H} \times 9 \mathrm{~W} \times 6$ "D; center unit $\mathrm{BH} \times 20 \mathrm{~W} \times 13$ "D. Imported. For $117 \mathrm{TAC}, 60 \mathrm{Mz}$. Shpg. wt., 28 libs. 24 P 67009 WX No Money Down* <br> <br> .........Net 169.95 <br> <br> .........Net 169.95 <br>  

## NEW! TENNA HL-5105 AM/FM/FM Stereo 8-Track Music System

Handsome. modern design in rich walnut vinyl. clad wood. System includes quality 8-track solid-state AM/FM stereo control center, and two air suspension speaker systems. The HL5105 s-irack playback deck features patented fine-tuning control, tape head cleaner, fast forward, pushbutton program selector and tape eject push butfons, and illuminated track ind. cator lights. Power output is 10 -watis RMS ( 5 watts per channel). at $5 \%$ distortion. Each speaker system contains $6 \frac{1}{2}$ inch dual-cone speaker with heavy-duty ceramic magnet and a $21 / 2$ inch tweeter. The control center has an FM stereo Indicator light, 3 position speaker selector switch, FM funing meter, 1oudness and AFC pushbuttons, lighted indication of mode selection, and a stereo headphone jack. The rear panel thas provislons for connecting a record changer with a ceramic cartridge and a tape recorder, main and remote speaker jacks. external AM and FM antenra connections, and an AC convenience outlet. FM dipole antenna included. Size: speaker $13 \mathrm{H}, 81 / 2 \mathrm{~W}$ M $63 / 4{ }^{\prime \prime} \mathrm{D}$ (includes Keyhole clip for wall mounting), control unit: 5H 21W x 100. For 117VAC. 60 Hz. Imported. Wt. 36 los. No Money Down* 17 P $74710 w X$


Newest Concept in Home Stereo Styling-Comes With Interchongeable Round and Square Corners To Suit Any Room Decor

## NEW! DELUXE KLLH 34 FM/FM Stereo Music System

Combines the simplicity, convenience, and size of three-piece music system with the versatility and performance level of individual components. The control center consists of a Garrard automatic turntable, solld-state FM/FM stereo receiver, and two KLH Model 32 speaker systems. The 4 speed carrard turntable may be used both manually and automalically with 7. 10, and $12^{\prime \prime}$ records. The solidsiate FM/FM stereo recelver features $2 \mu \mathrm{~V}$ useable sensitivity. IC multiplex decoder, ind a power output of 20 watts RMS ( 10 per channel, both chan. nels operating). The speakers are 2 . way acoustic suspension systems, each containing an $8^{\sim}$ woofer and $17 \%^{\prime \prime}$ direct radiator tweeter. Size: speak. ers $19 \% \mathrm{H} \times 10 \% \mathrm{oW} \times 7 \mathrm{~K}_{6}{ }^{\circ} \mathrm{D}$, control center $83 / 4 \mathrm{H} \times 201 / 2 \mathrm{~W} \times 14500 \mathrm{D}$. For 11 TVAC, 60 Mz . Shpg. wt., 80 lbs.
24 P 44222 WX ....Net 329.95
KLH Model 34AM-Same features, spe. clfications, and dimenslons as the Model 34, but also includes builf.in AM tuner. Wt. 80 tos. $329{ }^{95}$


# Ultra-Compact Criterion Hi-Fi Speaker Systems 

## CRITERION "e2X" 2-Speaker 2-Way Acoustic Suspension System


$11^{\prime \prime} \mathrm{W} \times 7^{\prime \prime} \mathrm{O} \times 81 / 4 \mathrm{H}$.
Ideal for low-powered amplifiers or receivers
Ideal for use as extension or remote speakers in any hi-fi system Ideal replacement speakers for upgrading sound quality in modular compact phono systems

## A Truly Compact High Fidelity Speaker System with a Power Handling Capacity of 20 watts - $-16^{25}$

- $5^{\prime \prime}$ Acoustic Suspension Woofer with 7/8" voice coil and 1 lb . magnet structure
- $3^{1 / 2 "}$ cone-type Tweeter
- $60-19,000 \mathrm{~Hz}$ overall response
- low-cost, ultra-compact 2-way speaker system only $11^{\prime K} X$ $7^{\circ} \mathrm{D}$ a $8 \mathrm{va}^{\sim} \mathrm{H}$. Provides astonishing music reproduction for its size. Perfect for use as main speakers whth low-powered stereo amplifiers or recefvers... as remute or extension speakers In any existing stereo hl.fi system-ceven as replacement speakers to upgrade sound quality in modular compact phono systems. Small size and handsome walnut finish lets you use them anywhere in the home or office... on a bookshelf, end-\{able, desk-locations are actually unlimited. Fine sound quallity results from the use of techniques employed in high.priced hi-fi speater systems. $5^{-}$woofer in sealed cabinet uses the well-known acoustic suspension principle to produce substantial bass from a system this size. A $31 / 2^{-2}$ tweeter provides smooth, crystal-clear sound up to $19,000 \mathrm{~Hz}$-beyond the limit of hearing for most people. Interior of rigidly constructed enciosure is fiberglass loaded to reduce unpleasant resonances-Wood cabinet has attractive walnut vinyl finish on all 4 sides with dark brown grille cloth. Overall response $60-19,000 \mathrm{Mz}$. Crossover frequency 4000 Hz. Power Handling Cap.: 20 watts. Impedance: 8 ohms. Imported.
99 P 02388W Shpg. wt., 9 lbs. .......Net Each 16.25


## CRITIERION "25A" 2.Sneaker 2.Way Air Suspainsion 8" Sistem



POWER HANDLING CAPACITY 25 WATTS

## Only

## Quality Speaker Systems at Popular Prices

## CRITERION* "50A" True 2.Way Bookshelf Speaker System

## ONLY $31^{95}$

## POWER HANDLING CAPACITY 30 WATTS

- Powerful 8" Woofer with I" Voice Coil
- "Tuned" Enclosure with Tube-Type Ducted Port
- Overall Response 50-19,000 Mz
- 7,000 Mz Electrical Crossover
- $31 /{ }^{\prime \prime}$ Cone Type Direct Radiator Tweeter
- Rich Hand-Rubbed Oiled WaInut Finish


## 5 Year AAA Guarantee see Page 415



## CRITERION " 77

## ONLY <br> $42^{45}$

## POWER HANDLING CAPACITY 30 WATTS

- $81 / 2^{\prime \prime}$ Woofer with $1^{3 / 4} \mathrm{Lb}$. Magnet Structure and $1^{\prime \prime}$ Voice Coil
- $31 / 2$ " Mid-Range Speaker with $1 / 2^{\prime \prime}$ Voice Coil
- $11 / 2^{*}$ Direct-Radiator Type Tweeter
- Crossover Frequencies: 3,000 and $10,000 \mathrm{~Hz}$
- High Frequency Brilliance Control
- Rich, Mand-Rubbed Oiled Walnut Finish

5 Year AAA Guarantee see Page 415


Sealed, Fiberclass.filled enclosure
improved version of our best-selling Criterion "50". Provides impressive hi-fl :iound, yet measures only $10 \% \mathrm{hH} \times 19 \mathrm{~W} \times 87$ "0. An $8^{\prime \prime}$ heavy-duty woofer with 36 02. magnet structure and $1^{\prime \prime}$ voice coll is atoustically matched to a $31 / 2^{\prime \prime}$ cone-type direct radiator twepter. Provides deep, rich bass down to 50 Hz with sparkting mid-range and high frequency reproduction to beyond audibility. Electrical crossover opepates at $7,000 \mathrm{Mz}$. Enclosure is bass reflex design using a ducted port of the tube type to provide proper acoustic "tuning" of the enclosure. The ducted nort provides a speclar path for the low frequency sound waves radiated from the rear of the wooter so that they emerge "in.step" with those radiated from the front of the speaker, providing substantially greater bass sound power from the system. Finished on all four sides in a rich, hand.rubbed olled walnut veneer with beige acoustic grill material. Rated at 30 -watts. Designed for vertical or horizontal riacement. Overall response: $50.19,000 \mathrm{~Hz}$. Nominal Impedance: 8 ohms. Imporied. Shpr. wt.. is lbs.
99 P 02131 W No Money Down* $\qquad$ Net 31.95
3.Speaker 3-Way Bookshelf Acoustic Suspension Speaker System


Expert combining of components for outstanding performance at an unbelievable low price! Heavy-duty $81 / z^{\prime \prime}$ woofer in a sealed fiberglass filled enclosure uses the well known acoustic suspension principle to extend response down to a low 40 Hz , assuring deep, natural bass with outstanding clarify and impact. Rellable $3122^{\prime \prime}$ cone-type mid-range speaker reproduces clean, full bodied sound throughout the important middle frequency range. Sharoly detalied high frequency reproduction is accomplished wilh a $12 / \mathrm{m}^{\mathrm{m}}$ direct radiator type tweeter... response is true, complete and unmarred by rattle or breakup. Electrical crossover network at 3,000 and 10.000 Hz assures smooth, balanced distribution of sound over the audio spectrum. Compensating high frequency level control (on rear) permits you to tallor the sound to your specific room acoustics. Handsome walnut finish on four sides with tastefully aecented brown grill cloth to blend with any decorating scheme. overall response: 40 Hz to 19.000 Hz . Impedance: 8 ohms. Im. ported. Size: $19 \%$ w $\times 10 \% \mathrm{sH} \times 81 \mathrm{~K}_{3}{ }^{\circ} \mathrm{D}$. Shpe. wt., 19 /4 lbs.
99 P 02321 W No Money Down* .
Net 42.45

# LAFAYETTE CRITERION ${ }^{\circ} 100 B^{\prime}$ 40-Watt 10" 3-Speaker 3-WayBookshelf System 

## POWER HANDLING CAPACITY 40 WATTS

No Money Oown

## Magnificent Full Range Sound Reproduction from a 10-inch System

## 5 Wear AdMA Suaranion

A Lafayette quality product that is guaranteed against defects in material and workmanship for 5 years. If this unit fails to operate due to such defects. simply return it prepaid with your original sales slip or order. Lafayette will repair it without charge including return eransportation.

## System Designed With Perfectly Matched Components

\author{

* Powertul $10^{\prime \prime}$ Woofer with $5^{1 / 2} \mathrm{Lb}$. Magnet Structure and $\mathbf{2 "}^{\prime \prime}$ Diameter Voice Coil * $31 / 20$ Mid-Range Speaker - $11 / 2{ }^{\prime \prime}$ Direct Radiator Super Tweeter <br> - "Tuned" Enclosure with Tube-Type Ducted Port <br> - Full 12 db /Octave Electrical Crossover Network at 3,500 and $10,000 \mathrm{~Hz}$ <br> - Overall Response $30-19,000 \mathrm{~Hz}$ <br> - High Frequency Brilliance Control
}

TOD quality, moderately priced 3 -speaker 3 -way system that delivers really " $01 \mathrm{~g}^{\prime}$ " sound. Equipped with 3 separate speakers for widerange responsp-a poweriul to-inch woofer with a $5 \frac{1 / 2}{} \mathrm{lb}$. magnet structure, a $34 \mathrm{y}^{\prime \prime}$ mid-range speaker, and a $142^{\prime \prime}$ direct radiator type super tweeter. All 3 speahers are acoustically matched and employ a full $12 \cdot \mathrm{db}$ octave L/C crossover network at $3,500 \mathrm{~Hz}$ and 10,000 Hz . Features High Frequency Control at rear of cabinet. The use of an acoustically "tuned" enclosure results in a reinforcement of the low trequencies, and produces enhanced bass response. Superb "Criterion" styling blends in with the most elegant decor. The enclosure is finished on all four sides in a rich, hand-rubbed olled watnut veneer and tastefully framed in an econy and gold pieture frame molding with white and gold acoustic grill material. Highly efficient operation assures rich, full-bodied sound even with low.power amplifliefs. For vertical or horizontal placement. Dimensions are $21 / 2 \mathrm{zW}$ : $1176 \mathrm{H} \times 934 \mathrm{O}$. Overall frequency response: $30.19,000 \mathrm{~Hz}$; crossover frequencles- 3,500 and $10,000 \mathrm{~Hz}_{\text {; }}$ nominal impedance: 8 onms; powier handing capaclity 40 watts program material. Imported. Shpg. wl., 29 ibs.
99 P 02115 W
The enclosure is a bass-reflex design using a "sonic tube" to provide proper acoustic "tuning" of the enclosure. The tube provides a special path for the low frequency sound waves radiated from the rear of the woofer so that they emerge "In-step" with those radiated from the front and thus provides substantially greater bass sound power from the system. Solid wood construction plus the use of sound absortent material ensures an extremely rigid enclosure free of undesirable reso. nances. A powerful 10 -inch speaker with a $51 / 2 \mathrm{lb}$. magnet structure provides reproduction of the low Irequencies down to 30 Hz . A $31 / \mathrm{z}^{\prime \prime}$ cone-type mid-range speaker covers the mid.range frequencies, and a $112^{-}$direct radiator type super tweeter reproduces the high frequencies. smooth transition is achieved by means of electical crossover at 3.500 and $10,000 \mathrm{~Hz}$.

# LAFAVETTE CRITERION "150A" 

## 3-Way Acoustic Suspension Speaker System



## POWER HANDLING CAPACITY 40 WATTS

## 5095 Popular Priced Superb Quality Acoustic Suspension System

## No Money Down

- Overall Response 30 to $20,000 \mathrm{~Hz}$
- $10^{\circ}$ Acoustic Suspension Woofer with $2^{1 / 2} \mathrm{lb}$. Magnet Structure and $11 / 4^{"}$ Edge-Wound Copper Voice Coil
- $3^{\text {" }}$ Cone Type Mid-Range/Tweeter
- $11 / 2^{-2}$ Direct Radiator Super Tweeter
- L/C Crossover at 1600 Hz and $10,000 \mathrm{~Hz}$
- High Frequency Level Control
- Fine Furniture Oiled Walnut Finish

Everything you'd expect to find in a larger system is here. A fufl, 3-way acoustic suspension design with 3 speakers-but using an enclosure only 1 cubic foot in size. Advanced acoustic design with skiltful blending of all speakers provides wide-range natural sound -the ideal system for those wanting the finest possible reproduc. tion from a compact enclosure. The system's main working element is a special 10 inch highly compliant woofer with a $2 \mathrm{ib}, 8$ oz. magnet structure and a $11 / 4$ "ribbon-fype copper voice coil, edgewound on an aluminum form. The cone of this wooter is loose and free from the usual stiff mechanical suspension. Instead, the woofer cone actually uses the air within the sealed enclosure to provide the spring suspension element. The extremely lang cone travel combines with this type of suspension to give bass reproduction that is outstanding in fis oepth and power. A closed-back $3^{\circ}$ cone-type oriver provides natural reproduction of the upper midrange and lower-high frequencies and assures authentic "presence". The extreme high frequencies are extended cleanly to beyond the ilmits of hearing by a $11 / 2^{*}$ super tweeter with an aluminum cone. Smooth, Dalanced reproduction over the entire sound spectrum is assured by the use of a full $\mathrm{L} / \mathrm{C}$ crossover network, 1,600 \& 10,000 Hz . The Criterion 150 A also features a high frequency "brilliance" control on the rear of the cabinet. This enables balance of high frequency tones to suit individual tastes and match various room conditions. The enclosure is of solld $5 / 8^{\circ}$ wood construction with fiberglass packing to virtually eliminate undamped resonance. All four sides are finished in luxuriant hand-rubbed olled walnut with
 Shpg. wt., $213 / 4 \mathrm{lbs}$.
99 P 02222 W
Net 59.95

## SPECIFICATIONS

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## 5 Weat Aded Gurntardee

A Lafayette quality product that is guaranteed against defects in material and workmanship for 5 years. If this unit fails to operate due to such defects, simply return it prepaid with your original sales slip or order. Lafayctte will repair it without charge including return transportation.

# Lafayetit CRITERION ${ }^{\text {e"s } 4 X^{" \prime}}$ Deluxe 4-Speaker, 4-Way, 12" Speaker System 

## $74^{50}$

No Money Down*


- Overall Response 25 to $20,000 \mathrm{~Hz}$
- Enclosure Uses "Sonic Tube" for Enhanced Bass
- $12^{\prime \prime}$ Woofer has $44 / 2 \mathrm{lb}$. Magnet Structure and $2^{\prime \prime}$ Voice Coil
- 5 " Midrange Driver in its Own Sub-Enclosure
-3" High Frequency Tweeter
- $1^{1 / 2} \mathbf{2}^{-S}$ Super-High Frequency Tweeter
- Fine Furniture Finish in Rich, Oiled Walnut

Here's a bookshelf speaker system that offers big, full-volced sound at an extremely modest price- combination that is sure to make this system one of our most poputar. It's a carefully engineered 4. speaker system with a full 4-way electrical crossover, housed in a deluxe oiled walnut enclosure to give it the look of tine furniture. 4 separate speakers, each a brilliant performer over its assigned range, work in harmony to provide superb overall sound. The entire music range is reproduced effortlessly...thrillingly life-like in Its quality. A big 12 "woofer operating in a rigid fiberglass.filled enclosure with a lube-type ducted port (sonic tube), provides deep, enhanced bass, A 5 - mid.range speaker housed in it's own fiberglass: filled chamber and acoustically isolated from the main bass en. closure, assures smooth, peak-free reproduction in the important mid-range. Two high frequency units cover the upper musical ranges - $3^{\prime \prime}$ speaker from 5,000 to $10,000 \mathrm{~Hz}$, and a $11 / z^{*}$ super tweeler from $10,000 \mathrm{~Hz}$ to $20,000 \mathrm{Mz}$. These units provide brilliant reproduc. tion of the highs right out to in audibility. System finished in rich oiled wainut veneer (on four sides for vertical or horizontal placement) plus a subdued dark brown grille cioth. Includes high frequency and mid-range controls which permit adjustment of the tonal response, polarized input terminals. Dimensions: 22 y $141 / 4$ y 11 3/3 ${ }^{-0}$. Imported. Shpg. wt. $391 / 4$ Tbs.
99 P $02370 W \mathrm{X}$
Net 74.50

## SPECIFICATIONS

Overall Response: 25 to $20,000 \mathrm{Mz}$. Speaker Units: $12^{\circ \prime}$ wooter, $5^{\prime \prime}$ mid-range, $3^{" \prime}$ tweeter, $12 / 2^{\prime \prime}$ super-tweeter. Crossover Metwort; 4-way LC (coil-capacltor) at $800,5,000$ and $10,000 \mathrm{~Hz}$. Enclosure Design: Tube-type ducted port enclosure, fiberglass-filled. Acoustic Contrels Continuously variable high frequency and mid-range level controls (off to maxjmum). Mominal impedance: 8 ohms. Power Handling Capacity: 50 walts

## POWER HANDLING CAPACITY 50 WATTS

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A Lafayette quality product that is guaranteed agsinst defects in materisl and workmanship for 5 years. If this unit fails to operate due to such defects, simply return it prepaid with your original sales slip or order. Lafayette will repair it without charge including return transportation.

## Perfectly Matched Components



Rigid. Fiberilass-Filied
Enclosure $\left(3 / 4^{\circ \prime \prime}\right.$ Food construction)
4-way LC Cressover Networt (interior)

## LaFAYETTE CRITERION ${ }^{\text {e" }} \mathrm{VI}^{"}$ <br> Deluxe 50 Watt 6 -Speaker 4-Way Bookshelf System



- Enclosure Uses "Sonic Tube" for Deep, Reinforced Bass
- $12^{\prime \prime}$ Woofer with $4 / / \mathrm{Ib}$. Magnet Structure and Large $2^{\prime \prime}$ Voice Coil
- $5^{\text {" }}$ Midrange Speaker Housed in a Sealed Fiberglass-Filled Sub-Enclosure
- 4 Separate $\mathrm{High}_{\mathrm{h}}$ Frequericy Speakers
- Frequency Response: $\mathbf{2 0 - 2 0 , 0 0 0 ~} \mathrm{Hz}$
- Fine Furniture in Rich, Hand-Rubbed Oiled Walnut on 4 Sides
- Individual Midrange and Migh Frequency Level Controls

A qually bookshelf system with the big, multi-dimensional sound that only multip!e speakers can produce... and at an unbeatable price too! Every musical instrument is reproduced with brilitant reallsm because there are 6 speakers covering four portions of the entire audio spectrum. There's a big 12" speaker for the lows, ${ }^{3} 5^{\prime \prime}$ unit for the midrange, two $3^{\prime \prime}$ tweeters for the highs and two It/s" super-fweeters for the ultra high frequencles. The enclosure is also equipped with a tuned "sonic tube" that makes use of the acoustic output from the rear of the woofer to produce deep, reinforced bass for which this type of system is famous. And best of all. this system is efficient enough for use even with low powered stereo components - actually makes them sound better too! Yet, because it can handle up to 50 watts of power, you can also use this system safely with high powered components, either now or in the future. Includes continuously varlable midrange and high frequency level controls and polarized terminals. Enclosure is of $3^{\prime \prime}$ constiuction and is fiberglass filled. Tastefully styled with a fine furniture finlsh of ofled walnut on four sides for vertical or horizontal placement, either on a shelf or floor standing. Snap. out front panel with subdued dark brown tweed grille cloth that blends unobtrusively with any decor. SPECIFICATIONS: Overall Response: $20.20,000 \mathrm{Mz}$. Power Handling Capacily: Up to 50 Watts. Impedance: 8 ohms. Crossover Frequencles: 800 and 5,000 Hz (6 db /octave LC network), $12,000 \mathrm{~Hz}$ (mechanical). Controls: Continuously Varlable Midrange and Migh frequency. Enclosure: DuctedPort System using Tuned "Sonic Tube". Speaker Components: 12" Bass Speaker ( 20.800 Hz ), $5^{\circ}$ midrange ( $800-5,000 \mathrm{~Hz}$ ), two $3^{*}$ High Frequency Units ( $5,000 \cdot 12,000 \mathrm{~Hz}$ ), two 11/2" Super "High Frequency Units ( $12.000-20,000 \mathrm{~Hz}$ ). Dimensions; $24 \times 14 y / 2 \times 12^{*} \mathrm{D}$. Imported. Shpg. wt.. 41 lbs.
99 P 02263 WUX
Net 99.95

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A Lafayette quality product that is guaranteed against defects in material and workmanship for 5 years. If this unit fails to operate due to such defects, simply return it prepaid with your original sales slip or order. Lafayette will repair it without charge including return transportation.

## SYSTEM DESIGN



# LAFAYETTE CRITERION ES85 ELECTROSTATIC SPEAKER SYSTEM 

## Power Handling Capacity-50 Watts

## SPEAKER COMPONENTS

4. Electrostatic Tweeter Elements_Consists of
A Movable Flat Metal Diaphragm and A
Non-Movable Metal Electrode Capable of
Reproducing High Frequencies Up To 25,000
Hz With Extreme Clarity

## 1 <br> 8" Low Frequency Transducer That Reproduces Deep Bass Response Down To 45 Hz.

## $4^{58}$

SYar AM Gusrante Set Page 415

## 5000 Hz . Electrical Crossover Network

A professional quality electrostatic speaker system with a tweeter elements and a low frequency transducer at an amazing low price. This outstanding system is characterized for tis ability to faithfully reproduce the high frequencies with crystal clear clarity because of the electrostatic tweeter elements. As these types of tweeters require a power source, the ES85 has a 117 VAC Iline cord and switch. The current consumption is so low. the speaker can be kept on at all times. It is recommended that the ES85 be used with amplifiers rated over 12 watts per channel. The handsome olied walnut wood enclosure is sealed air-tight to extend bass response. Includes a variable high frequency control. Impedance is 8 ohms. Two terminals on the rear of speaker are color coded for proper phasing. Size 113 x $2174 \times 81 / 2^{\prime \prime}$. Imported, Shpg. wt., 25 lbs.
99 P 02719w No Money Down*

# LAFAYETTE CRITERION "5XB" 75-WATT $12^{\prime \prime}$ 4-WAY ACOUSTIC SUSPENSION SYSTEM 



Our finest bookshelf system uses the acoustic suspension principle for astonishing overall range and clarity, with a deep, solid bass response that makes a stunning impact on the listener. Four outstanding speakers are used to cover the full spectrum of sound. A $12^{\circ}$ acoustic suspension woofer with 6 lb .202 . magnet structure produces remarkably low bass response-undistoried even at high power fevel. An acoustically isolated $612^{2}$ mid-range speaker with 12.402. magnet structure provides flawless reproduction of the mid-rangefree of annoying peaks, yet adding true "presence" to the system.

12" Acoustic Sus. pension Wooler with Massive 6 lb . 2 oz. Magnet Structure

$11 / 2 "$ Super Tweeter

## System Design

Extending response to beyond audibility are $3^{\circ}$ and $112^{*}$ " weetors. Low loss $12 \mathrm{do} / 0 c$ tave crossover at 800 Hz and $4,500 \mathrm{Mz}, 6 \mathrm{db} / o c$ lave crossover at $10,000 \mathrm{Mz}$. Air-tight. Separate, continuousty varisble mid and treble range controls. Enclosure has a fine furniture finish in oiled walnut on all four sides. Specifications-Overall Response: 18 to $\mathbf{2 5 , 0 0 0} \mathrm{Hz}$ Impedance: 8 -ohms. Size: $231 / 2 \times 14 \mathrm{~h} \times 11 \mathrm{H}^{\circ} \mathrm{O}$. Imported. Shpe. wh. 4610 s.
-9 P 02230 UUX No Money Down*
-Sce Page 23 for Full Details on Easy Pay Plan

## LAFAYETTE's Best Floor Standing Speaker Systems

## LAFAYETIE Criterion "88" 3-Speaker 3-Way Acoustic Suspension Consolette Speaker System



- $10^{\prime \prime}$ Woofer
- $3^{\prime \prime}$ High Frequency Oriver
- $11 / 2^{\prime \prime}$ Super Tweeter
- LC Crossovers at $6,600 \mathrm{~Hz}$ and $10,000 \mathrm{~Hz}$


## FEATURES Exclusive "Program Optimizer"changes speaker characteristics according to program material being reproduced



1 NORM-Produces Flat Response Over Entire Audio Spectrum When Listening to a Full Symphonic Orchestra
2 POPULAR-Emphasizes Hi-Frequency and Low-Frequency Response for Rock, Folk, Jazz, and Popular Music Listening
3 VOCAL-Emphasizes Mid-Range Frequencies to Project Voice Reproduction-Ithus Adding Presence

## Handies Up To 40.Watts Program Material

Only a leader in speaker design, like Lafay. ette, could offer a system Jike the Criterion 88 . Features the renowned acoustic suspenslon principle, plus an extraordinary new design concept a bullt-In "program optimizer" to tallor the sound to the characterIstics of the material being reproduced. Its perfectly matched speaker components include a big $10^{\prime \prime}$ alr-suspension wooter with a 2 lb .8 oz . magnet structure to extend bass down to 20 Hz . A closed back $3^{\prime \prime}$ cone-type driver provides natural reproduction of the
upper mid-range and lower high frequencies. The extreme high frequencles are extended cleanly beyond the limits of hearing by a $11 / 2^{\prime \prime}$ super-tweeter with an aluminum cone. Full range response from 20 to $20,000 \mathrm{~Hz}$. In addition to the "program optimizer" there is a high Irequency brilliance control on the rear. The criterion 88 is finished on all 4 sides in rich, hand rubbed oiled walnut ve. neer. Impedance 8 ohms. Imported. Size. $241 / 2 \mathrm{H} \times 15 \mathrm{~W} \times 91 / 4{ }^{\sim} \mathrm{D}$. Shpg. Wt., 32 lbs . 99 P 02693W No Money Down: Net 89.95

## LAFAYETTE Criterion " 90 " 100 Watt 6-Speaker 4-Way Acoustic Suspension Consolette Speaker System



# The Finest Reproducer of Sound Offered by LAFAYETTE for the Home... 

16995
SYr. AAA Guàrantee
See Page 415

- Overall Response $18-25,000 \mathrm{~Hz}$
- Pawerfu: $12^{\prime \prime \prime}$ Acoustic Suspension Woofer with over $6.1 \cdot \mathrm{lb}$. Magnet Structure and Edge-Wound Sibbon-Type Copper Voice Coil on an Aluminum Form
- $61 / 2^{\prime \prime}$ Acoustically Isolated Midrange Speaker with $12.0 z$. Magnet Structure
- Four Tweeters-Two 3" Tweeters and Two $11 / 2$ " Super- Tweeters
- Separate Midrange and High Frequency Level Controls
- $3 / 4$ " Enclosure in Rich, Hand-rubbed Oiled Walnut Finish

Lafayette's finest speaker system ever! Professional styling, unbelievable tonal purity. A no compromise, 6 -speaker system designed to bring the spectacular realism of a live performance right into your home. This major accomplishment was achieved by care. ful selection and design of speaker unlts enclosure. A specially designed $12^{\prime \prime}$ a coustic suspension woofer in a large alr-tight enclosure over $31 / 2$ cubic feet in overall size results in remarkably powerful, solid bass. Added to this is an acoustically isolated $61 / 2^{"}$ midrange speaker that offers natural "presence" without exaggerated midrange peaks. Four tweeters spread across the front
in a calculated configuration ensure a wide dispersion of the highs and reduce high frequency "beaming." Two of these are 3" units covering the 3,500 to $5,000 \mathrm{~Hz}$ range, and two are ultra-high frequency $11 / 2^{\prime \prime}$ alum. inum cone units that extend response to well beyond audiblilty. Crossover frequencjes: electrical at 650 and $3,500 \mathrm{~Hz}$, mechanical at $5,000 \mathrm{~Hz}$. Handsome enclosure is finished in a rich, hand.rubbed oiled walnut with dark brown tweed gritle cloth. Impedance 8 ohms. Dimensions: $30^{\prime \prime} \mathrm{H}$ y $18^{\prime \prime} \mathrm{W} \times 12^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt., 67 lbs.
99 P 02701W No Money Down' Net 169.95

# Acoustic Suspension Speaker Systems by 

AR SPEAKER BASES


Size: $11 \times 141 / 2 \times 13$ Shipping Welght 4 lbs.
21 P 72419 WOited Wal. . Net 10.00 21 P 72401 W Unf. Birch Net 10.00

## AR'S 5-YR. SPEAKER GUARANTEE <br> AR speakers are sold under the manufacturer's 5 -year guarantee covering parts, labor, freight both ways, and packaging if necessary.



## AR-4X 2-WAY ACOUSTIC SUSPENSION SYSTEM

## As Low As $57^{00}$

No Money Down*

Low cost acoustic suspension speaker system. Designed to give a supersty clean, realistic bass response and clear, crisp highs by utilizing the lamous acoustic suspension principle. It incorporates an $8^{\prime \prime}$ woofer and a $21 / 2$ inch direct radiator tweeter with level control to compensate for differem acoustic conditions of your listening room. Electrical crossover frequency is 1200 m . A compact ( $19 \mathrm{Wx} 10 \mathrm{Hx9} 9^{\circ} \mathrm{D}$ ) unit for floor or shelf-mounting. Sultable for use with amptifiers of 15 watts RMS or more per chan. Imp: 8 ohms. Wt., $221 / 2$ its 21 P 72492 W Oiled Walnut Net 63.00 21 P 72500W Unfinished Pine .................................................Net 57.00

## AR-6 2-WAY ACOUSTIC SUSPENSION SYSTEM

## As Low As $72^{10}$ <br> No Money Down*

Outstanding pertorming 2 -way acoustic suspension system at a modest cospUses only 2 arivers-an $8^{\prime \prime}$ woofer with heavy molded cone supported at the outer edge with a urethane polymer suspension, and a wide dispersion 11/2" tweeter with smooth response beyond 20 kHz . Designed for use with ampit liers rated at 20 walts RMS per channel. Crossover Irequency 1500 Hz . High Frequency Level Control. Size: $191 / 2 \times 12 \times 7$.D. Shpg. wt., $251 / 2 \mathrm{lbs}$. 21 P 72823 W Oiled Walnut

Net 81.00 21 P 72831w Unfinished Pine Net 72.00

## AR-2AX 3-WAY ACOUSTIC SUSPENSION SYSTEM

## As Low As 1090 <br> No Money Down*

## Precision-made components plus the famous acoustic suspension design de-

 liver truly magniticent sound. Inctudes $10^{\circ}$ woofer for natural bass response. 31/2" direct radiator mid-range for realism and a 7/4" dome type super tweeter providing highs out to the limits $\$$ audibility. Frequency response, $42 \cdot 20.000 \mathrm{~Hz}, \pm 2 \mathrm{z} / 2 \mathrm{db}$. Less than $2 \%$ harmonic distortion down to $60 \cdot \mathrm{~Hz}$ Has 2 level controls. Designed for use with amplifiers rated at 20 watts RMS per channel. Finished on 4 sides. $24 \times 1142 \times 134 / 2^{\prime \prime}$. Imp.: 8 ohms. Shpg. wt., $402 / 2 \mathrm{lbs}$21 p 72070 W Oiled Walnut
Net 128.00
21 P 72054 W Unfinished Pine
Net 109.00

## AR-5 3 -WAY ACOUSTIC SUSPENSION SYSTEM

## 15 $156^{\circ 0}$

No Money Down*
Deluxe AR bookshelf system! Provides superb full-range frequency response. System features a new $10^{\circ}$ acoustic suspension woofer utilizing AR's most advanced cone design, $11 / 2^{*}$ mid-range and $3 / 4^{\prime \prime}$ tweeter each have indepen. dent frequency oriver controls with crassover at 650 and $5,000 \mathrm{~Hz}$ respectively. Frequency response: $38-20,000 \mathrm{~Hz}$. Impedance: 8 ohms. Designed tor use with amplifiers rated at 20 watts RMS per channel. Size: $131 / 2 \times 24 \times$ $1122^{\circ}$ "D. Shpg. wt. . 46 lbs.
21 P 72716 WUX Oiled Walnut ............................................................ 175.00
21 P72724wUX Unfinished Pine
AR-3A DELUXE 3 -WAY ACOUSTIC SUSPENSION SYSTEM
Acoustic Research's linest speaker system. Features a powerful $12^{\prime \prime}$ woofer with $31 / 4 \mathrm{ib}$. magnet, hemispherical direct radiators for the mid-range and tweeter units with $11 / 2^{\prime \prime}$ and $3 / /^{\text {" }}$ domes, respectively. Frequency response from 38 Hz to $20,000 \mathrm{~Hz}( \pm 2 \mathrm{db})$. Woofer crossover frequency at 575 Hz ; midrange from 575 Hz to 5 kHz , and the tweeter from 5 hHz up. Designed for use with amplifiers rated at 25 watts RMS per channel. Impedance: 4 ohms. Cabinet finished on 4 sides. Size: $14 \mathrm{H} \times 25 \mathrm{~W} \times 117 /{ }^{-} \mathrm{D}$. Shpg. wt., $62 \mathrm{~V} / \mathrm{lb}$ : 21 P 72658 wx Oiled Walnut Net 250.00 21 P $72708 w x$ Unfinished Pine Net 225.00
-See Page 23 for Full Details on Easy Pay Plan


Model Seventeen 10" 2.Way Acoustic Suspension System Full-range two-way system oftering a nigh level of musical enjoyment. $10^{-}$acoustic suspension woofer provides extended bass response; $13 / 4^{\prime \prime}$ direct radator type tweeter provides smooth peaktree highs as well as exceptional performance at the mid-frequencies. 3-position high frequency control permits matching the system to any acoustic environment. Housed in a completely sealed. fibergiass filled, olled walnut. $3 / 4^{-}$furniture grade cabinet. All four sides finished for vertical or horizontal placement. Impedance: 8 ohms. For use with amplifters of 12 watts HFF or more. Size: $11 \frac{14}{4}$ n 232 m $\times 9^{\prime \prime}$. Shpg. wt., 30 lbs.
21 P 44210 N No Money Down*
Net 74.95

## NEW! Model 32 2-Way Acoustic Suspension System

Fine sounding, low priced 2 -way 8 ohm speaker system utilizes the acoustic suspension principle. Genuine walnut veneer cabinet mexsures $193 \mathrm{aH} \times 10 \% \mathrm{~W} \times 7 \mathrm{~K}_{0}$ "D. Designed for use with stereo amplifiers handing up to 10 watts IMF per channel. Uses an 8 -inch low resonance, high compliance wooter and a 2 -Inch direct radiator dome tweeter with LC crossover network. Shpg. wt., 21 lbs.
21 P44293W No Money Down*................Net 47.50

Model Five 4 Speaker Acoustic Suspension System
Offers the best low-frequency and power handiling capabillties of the KLH Dookshelf-size speaker systems. Speaker compliment in. cludes: big $12^{\prime \prime}$ acoustic suspension woofer with heavy magnet and cone assemblles; two $3^{-1}$ miniature heavy-magnet mid-range speakers; and a $13 / 4$ " high-frequency speaker mounted in a sub-enclosure. Two 3-position switches adjust the $2500-7000 \mathrm{~Hz}$ and $7000 \cdot 20,000$ Hz ranges. Cabinet of $3 / 4^{\text {n }}$ plywood finished in oiled walnut vencer. $8-0 \mathrm{hms}$ impedance. Minimum power: 40 watts 1 HF . Size: $26 \times 13 \% / 4$ $111 / 2^{\circ D}$. Shpg. wt., $531 / 2 \mathrm{lbs}$

21 P 44251 Wx No Money Down*
Net 189.95
Model Six 12- 2-way Acoustic Suspension System
Designed to handle high power and deliver a full-range of rich sound. Has big $12^{\text {* }}$ acoustic suspension woofer employing a heavy, oriented. ceramic magnet assembly and four-layer voice coil; 15 " cone-type direct radiator tweeter, plus 3 -position high frequency level control. Frequency Response: 32 to over $16,000 \mathrm{~Hz}$. Crossover: 1500 Hz . Impedance: 8 ohms. Ideal for floor or shetf mounting. For amplifiers of 25 watts IHF or more. Diled walnut finish on four sides. Size: $231 / 2 \times 125_{B} \times 11 / /{ }^{\prime 2} \mathrm{D}$. Shpg. wt. $42 \frac{1}{2}$ lbs.
21 P 44061 WUX No Money Down*
Net 144.95

## NyNaCD APERIODIC SPEAKER SYSTEMS

## Only $79^{95}$ <br> No Money Down*

Model A-25 10" 2-Way System

- 10" Extended Range Woofer
- Soft Dome Tweeter
- Acoustic Imcedance Enclosure Principle

Mon.resonant aperiodic design combines with acoustic Impedance principle to assure uniform wide range response. Uses a $10^{\circ \prime}$ extended excursion woofer and new soft dome tweeter to achieve truly natural sound. Non Inductive Crossover Network of 1500 Hz . 5-position tweeter control. Designed for use with amplifiers rated at 15 watts or more RMS. Freq. Response: $35-20,000 \mathrm{~Hz}$. Impedance: 8 ohms. Wall mounting brackets are provided for hanging the speaker flush on the wall olied walnut finish. Size: $20 \times 111 / 2 \times 10^{\circ} \mathrm{D}$.
21 P 23545 W shpg. wt. $243 / 4 \mathrm{los}$


## NEW Model A-35

 10" 2-Way Speaker System- Handles 60 watts Continuous Power
- Powerful $10^{\prime \prime}$ Woofer
- Non-Rigid Hemispheric Tweeter

The A. 35 is the newest of the Dynaco Aperiodic speaker systems. The wey to the smoother, extended bass response in this 2 speaker. 2 -way system is Oual Spectrum Damping, which reduces bass distor: tion to extremely low levels. An RC crossover network at 1500 Hz couples the speakers electrically. and a position tweeter level control is provided for matening the system to room acoustics. 15 watts RMS is the minimum recommended driving power. Impedance 8 ohms. Size: $121 / 2 \times 221 / 2 \times 10^{\prime \prime} \mathrm{D}$. Shpg. wt., 30 lbs
21 P 23339 WX No Money Down*
Net 119.95

# Whartedale ADC, \& ALTEC LANSING Speaker Systems 

- $12^{-}$Woofer With $91 / 2 \mathrm{lb}$. Magnet


## Structure

- 5* Midrange
- 1"Mylar Dome Super Tweeter

Redesigned $12^{\prime \prime}$ woofer with molded one-plece cone, high excursion neoprene surround, and massive $91 / 2-\mathrm{lb}$ magnet assembly. $5^{\prime \prime}$ midrange, in isolated non-reflecting cyllindrical chamber. $1^{\prime \prime}$ mylar dome super fweeter has phase compensating difuser. All speakers are front-loaded. Genuine oiled walnut cabinet. Response: $30-20,000$ $\mathrm{Hz}_{2}$ Impedance 8 ohms. Power, Min. 15 watts, Max. 60 watts (IMF per cha inel). Size: $24 \times 15 \times 12^{\prime \prime}$ deep. imported. Shpg. wt., 55 lbs. 21 p $75537 \mathrm{WX}^{2}$ No Money Down*

## WHARFEDALE W25 2-way Acoustic Suspension System



Ble $8^{\infty}$ woofer provides rich, deep bass. Crystal clear treble from a new ultra. curvilinear tweeter for smooth wide-angle dispersion of sound. Components are fronttoaded. Cabinet is Eenulne olled wainut and uses new "unitized" construction to eliminate spurious buzaing. Response: $35.18,500$ Mz; ImD. 8 ohms. Power: Min. 10 watts, Man. 35 watts (IMF per channel). Size: $1522^{2} \times 10 \times$ $8^{\circ} \mathrm{D}$. Imported. Mo Moner Down ${ }^{\circ}$
21 P $75578 w$ Shpg. wt., 16 t/2lbs. Net 54.95
ALTEC LANSING 887A 2-Way Acoustic Suspension System


- 8" Low-Frequency Driver
- $3^{\prime \prime}$ Direct Radiator Tweeter

Designed for high performance without sacrificing compaci size, the 887 A has an 8 " acousfic suspension low trequency speaker. $3^{\prime \prime}$ direct radiator tweeter, and 2500 Hz crossover network with high-frequency control. Olled walnut cabinet, Freq. resD.a 50 18 kHz. Imp. 8 ohms. Power Rating: 45 watts. Size: $19 \mathrm{w} \times 10 \mathrm{H} \times 9^{\circ} \mathrm{D}$. Wt., 23 lbs . 21 P 46090w ............................Net 79.50

## WHARFEDALE W35 3-way Shelf/Comer Speaker System



Exceptional performance from heavy-duty $8^{*}$ woofer, $344^{*}$ mid-range and $21 / 2^{-1}$ ultracurvilinear tweeter. Components are frontloaded to reduce cabinet edge reflections. Air-tight. sturdy cabinet is genuline oiled walnut. Response: 35 to $18,500 \mathrm{~Hz}_{\text {; }}$ Impedance 8 ohms. Power: Min. 10 watts; Max. 40 watts (IHF Der channel). Dimensions: $15^{*} \times$ $15^{\prime \prime} \times 8^{\prime \prime}$ deed. Shpg. wt., 22 lbs.
21 P 75552 W
Net 79.95 Corner mig. bracket-ivi ibs.
21 P75560W
.....Net 4.00
NEW! ALTEC LANSING 891A 2-Way Bookshelf System


- Reticulated Foam Grille for Improved Acoustical Transparency
Exceptionatly clean-sounding bookshelf sys. tem has $12^{\prime \prime}$ woofer with foam-surround long excursion cone. Crisp, wide-angle high. frequency dispersion. Hand-rubbed oiled walnut cabinet. Freq. Resp. 3 35-20 HHz Power-Max.e so watts; Min.s 12 watts RMS. Imp. 8 ohms. Crossover: 1600 Hz . Size: $251 / 2 \mathrm{H} \times 141 / 2 \mathrm{~W} \times 121 / \mathbf{n}^{\prime \prime} \mathrm{D}$. Wt. 38 los. 21 P 46082 W No Money Down ${ }^{\circ}$-Net 125.00


## WHARFEDALE W70E 3 -way Floor Standing Speaker System

## $199^{s}$

Big 15 * woofer has massive $101 / 2 \mathrm{Ib}$, magnet assembly. Midrange is special $5^{\prime \prime}$ unit with high compliance suspension in separate cylindrical chamber. 1- mylar dome omnidirectional super tweeter has compensation ditfuser to reduce phase distortion. Genuline olted wainut cabinet. Response: $\mathbf{2 5 - 2 0 , 0 0 0}$ Hz; Impedance 8 ohms. Power: Min. 15 watts, Max. 75 watts (IMF per channel). Size: $24 \times$ 223/4 13 "/ $^{\prime \prime}$ deep. Shpg. wt., 66 lbs. Imported.
21 P 75545 WX No Money Down * Net 199.95
ADC 303AX 2-Way Loudspeaker System

## RECTLLINEAR'S Best Selling Spaaker Systems

No Money
Down ${ }^{\circ}$

MODELXA 3 WAY BOOKSHELF SYSTEM


Max. Power Handling Capacity 40 watts RMS.

Max. Power Handling
Capacity 75 watts RMS
Designed to provide the listener with a loudspeaker of more accurate response and lower distortion without exceeding the dimensions of a bookshelf type system. Utilizes a $10^{\prime \prime}$ woofer, $5^{\circ \prime}$ midrange with a $2^{\prime \prime}$ whizzer cone. and $21 / 2^{\prime \prime}$ iweeter. Completely enclosed cabinet incorporates an airtight internal shelf that isolates the woofer from the midrange and tweeter. Freq. response $30-20,000 \mathrm{~Hz} \pm 4 \mathrm{db}$. Crossover Freq. 100 Hz and 8000 Hz . Olled walnut finish. Im. pedance 4 -ohms. Sire: $25^{\prime \prime} \times 14^{\prime \prime} \times 1034^{-}$ 21 P 86062 WX Wt., 501 \% lbs..... Net 199.00

MODEL III 6 SPEAKER 4-WAY CONSOLETTE SYSTEM

## 27900

No Money
Down*

## Handies up

## © 100 Watts

Provides concert hail realism. Brilliant smooth response from 22 to 18.500 Hz . 12" woofer has a 10 pound magnetic structure. Mld-range driver operates from 250 to 3000 Hz and is mounted in a fiber sub enclosure within the main cabinet. Two tweeters cover the 3,000 to $11,000 \mathrm{~Hz}$ range with two additional super tweeters carrying audio frequencies io Inaudlbllity. Min. power requirements: 20 watts RMS; Max. Dower 100 watts RMS. Two controls: Midrange, tweeter. Impedance: 8 -ohms. Oiled walnut finish. Size $35 \times 18 \pm 12 \frac{1}{4} \mathbf{w n}^{\circ} 0$. Shpg. wt., 68 lbs
21 P 86039WX ..........................Net 279.00

Two way speaker system utilizing an ex. lended range $10^{\circ}$ woofer and an extendedrange $3^{\prime \prime}$ tweeter. The enclosure uses tubevented bass reflex design for high efficiency without loss of bass response. Crossover frequency: 1800 Hz . Minimum Power Requirement. 10 watts RMS. Max. Power 40 watts RMS Impedance 8 ohms. Response 45 to $17,000 \mathrm{~Hz}$. Tweeter level control. Oiled wal. nut wood cabinet. Sizes: $23^{\prime \prime} \times 12^{\prime \prime} \times 104^{\prime \prime}$. Shpg. wt., 32 lbs.
21 P B6054W

## UTAH Hi Fi Speakers and Speaker Systems




MK20


MK-20 12" 3 Speaker 3.Way Acoustic Suspension system-Handsome oiled walnut finish $1 / 4^{\prime \prime}$ wood cabinet. $12^{*}$ high compliance wooter, $8^{* *}$ midrange, and $342^{\prime \prime}$ seated back iweeter. Brilliance control on rear panel for adjusting high frequencies to the acoustics of the listening room. Peak power 50 watts. Response $30 \cdot 18,000 \mathrm{~Hz}$. Impedance 8 . ohms. Size $14 \times 23 \times 10^{\circ}$ s Shpe. Wt., 33 lbs.
21 P 47502 No Money Down*
Net 99.95
A85 12*3 Spealuer 3-Way Acoustic Suspension System-Features $12^{*}$ woofer, $8^{*}$ direct radiator midrange and $31 / 2^{\prime \prime}$ tweeter. $3 / 4^{\prime \prime}$ wood en. closure veneered with fine walnut and trimmed with a solld walnut front frame. High frequency control. Power handing 60 watts peak. Response 28-18,000 Mz . Impedance 8-ohms. Size 14 Y $23 \times 10^{\prime \prime}$. Shpg. wi., 35 lbs.
21 P 47510 W No Money Down
Net 89.95
MK.15 $10^{\prime \prime}$ 2.Way speaker System-Ducted port system provides marvelously efficient, deep throated bass. $10^{* \prime}$ woofer. $3 \mathrm{~K}^{\prime \prime}$ tweeter and crossover. High frequency brilliance control. Peak power, 30 watts Response $45 \cdot 18,000 \mathrm{~Hz}$. Impedance 8 -ohms Hand-rubbed olled walnut finished wood cabinet. $1274 \times 204 \times 94 /{ }^{\prime \prime}$. Shpg. wt., 24 lbs 21 P 4752 BW No Money Down*
.Net 79.95
AG0 10" 3-Way Acoustic Suspension System- $10^{\circ \prime}$ woofer, $6^{\circ}$ cone type midrange, $34 / 2$ iweeter. Impedance 8 -ohms. Power handling 20 watts. Response $45-18,000 \mathrm{~Hz}$. Wood cabinet with oiled walnut finish. Size $12 \times 22 \times 8^{\circ}$. Shpg. wt., 23 lbs.
21 P47536W No Money Down*

# SENSATIONAL SPEAKER VALUES FROM UTAH When You Buy a Pair 



## UTAH A120 12" 3-Way Acoustic Suspension Speaker System

- Power Handling Capacity 60-Watts Peak
- Frequency Response: $30-20,000 \mathrm{~Hz}$
- Rear Mounted Brilliance Control
-3/4" Walnut Wood veneer Cabinet


## SYSTEM DESIGN

12" Woofer with 21/2 Ib. Magnet Siruc. Iure

Horn Loaded Dome Radiator High Frequen-

A fantastic speaker offer! Get two 3 -speaker, 3 -way acoustic suspension systems for less than $\$ 61$ each. The powerful $12^{\prime \prime}$ woofer has a $2 \frac{1}{2} \mathrm{tb}$. magnet structure with a $11 / 2^{\prime \prime}$ copper voice coil to deliver deep, rich bass down to 30 Hz . The midrange frequencies are reproduced thru a $31 / 2 " \times 8^{\prime \prime \prime}$ compression horn with an 802 . mag. net structure and a $1^{\prime \prime}$ copper voice coil. A hom-loaded dome radiator tweeter delivers clear, crisp high frequencies to $20,000 \mathrm{~Hz}$. Electrical crossover at 4,500 and $9,000 \mathrm{~Hz}$. Rear mounted brilliance control. Handsome $3 / 4^{\prime \prime}$ walnut veneer cabinet. Power handling capacity: 60 .watts peak. Impedance: 8 ohms. Size: $14 \times 24 \times 12 \frac{3}{7}{ }^{\prime \prime} \mathrm{D}$. Shpg. wt., 37 lbs
21 P 47445W One System-No Money Down*
Two Systems Shpg. wt., 74 lbs..
Net 119.95
Net 120.95

$$
\underset{\text { ONE }}{\substack{\text { ONSTEM }}} 119^{95} \left\lvert\, \begin{gathered}
\text { TWO } \\
\text { SYSTEMS }
\end{gathered} 120^{95}\right.
$$



Electrical Crossover Network at 4.500 and $9,000 \mathrm{~Hz}$
$312^{\prime \prime} \times 8^{\prime \prime}$ Midranze Com. pression Hom

## UTAH C12PC-2 12" 2-Way Hi-Fi Speaker

- Peak Power Handling-- 45 Walts
- Rigid Die-Cast Frame
- Asymmetric Design Assures Free Cone Movement
- Finger-Tip Spring Loaded Terminals
- Frequency Response: $25-19,000 \mathrm{~Hz}$

Utah's Model C12PC-2 "Celesta" 12" 2 .way speaker provides the newest shape in sound. The chassis is cast under extremely high pressure to assure perfect, lasting alignment of critical moving parts. Spring loaded, finger-tip terminals are easy- 10 use and are color coded for easy stereo phasing. Response: 25 $19,000 \mathrm{~Hz}$. Peak power handling capacity: 45 -walts. Resonant frequency: 50 Hz . Voice Coil Diameter: $11 / 2^{\prime \prime}$. Magnet weight: 20 oz. Impedance: 8 ohms. Overall depth: $51 / 1 \mathrm{~s}^{\mathrm{m}}$. Wt., 11 lbs .
21 P 47411 W One Speaker

${ }_{\text {SPEAKER }}^{\text {ORE }} 26^{50}$
$\underset{\text { sPEAKERs }}{\text { two }} 27^{50}$

## Super-Thin LAFAYETTE "Poly-Planar" Speakers

Lafayette "Poly-Planar" wafer-type component loudspeakers employ a lightweight acoustic panel supported by a frame of polystyrene plastic material to reproduce a range of frequencies from 30 Hz to $20,000 \mathrm{~Hz}$. This material also permits the speakers to be made impervious to extremes of temperature, humidity, shock and vibration. There is also a minimum of piston motion resulting in low distortion and high electromagnetic efficiency.


## 12" POLY-PLANAR WIOE RANGE SPEAKER

Unique physical and audio characteristics permit a wide range of uses: Hi.Fidelity speaker systems, TV or radio, automotive, public address, architectural application (Build Poly. Planars into walls, closet doors, celtings) and marine application. Use it as it is or cover it, baffle it, enclose it. Specifications: Power Capacity: 25 watts Peak; Frequency Range: $30 \cdot 20,000 \mathrm{~Hz}$; Voice Coli djameter, $\mathbf{1}^{\prime \prime}$; Magnet Weight: 4.8 oz.; Imp. 8 ohms; Maximum Operating Tempera. ture: $+175^{\circ}$ F. Size: $17 / 00 \times 14 \mathrm{~K} / 0^{H} \times 1174^{\prime \prime}$ W. Shpg, wt., 2 bs .

Net 10.95

## OELUXE $12^{\prime \prime}$ POLY.PLANAR WIOE RANGE SPEAKER

Same as above but power handling capacity is 40 watts peak, 25 watts RMS. Freq. response, $30-20.000 \mathrm{~Hz}$. Shpg. wt., 2 Ibs.

## 5" POLY-PLANAR WIDE RANGE SPEAKER

Same physical and audio characteristics as above $12^{\prime \prime}$ speaker. Especially designed for small space high performance applications such as automobile speakers, extension speakers. Specifications: Power Capacity: 18 watts Peak; Imp.: 8 ohms; Frequency Range: 60 Hz to $20,000 \mathrm{~Hz}$; Operating Temperature Range: $-20^{\circ} \mathrm{F}$ to $+175^{\circ} \mathrm{F}$; Voice Coll diameter: $1 / /^{\prime \prime}$. Size: $1 / 40 \times 81 / 2 \mathrm{H}$ $x 41 / 2^{2} \mathrm{~W}$. Shpg. wt., $11 / 4 \mathrm{los}$.
$\times 41 / 2 " W$. ShD
21 P 56024

## GRILLES FOR POLY-PLANAR SPEAKERS

- For Surface or Custom Flush Mount

Two types for either $12^{\prime \prime}$ or $5^{\text {" }}$ speakers. will provide beautiful custom flush mount installations In your home, office, boat, or car. High impact plastic with wainut.grain finish, FOR 12" SPEAKER. Wt., $21 / 4$ lbs.
21 P 56040
Net 3.95
FOR 5* SPEAKER. Wt., 11 oz .
21 P 56057

## OUTDOOR POLY-PLANAR HI-FI SPEAKER SYSTEMS

- Fully Weatherproof
- Can be Mounted, Can be Hung. or Can Stand
$12^{\circ}$ system: Can be used outdoors or indoors for hi.fi or bidirectional PA paging. Hand. some, high-impact white styrene enclosure with accessory walnut wood stand contains 12" Poly-Planar hi-fi speaker. Includes 8 ft . hook-up wire, and all necessary hardware to simply let you stand, hang, or mount the simply let you stand, hang, or monnt 40 . $20,000 \mathrm{~Hz}$ handling capacity. Input Impedance: 8 ohms. Size: $11 / 4 \times 131 / 4 \times 161 / 4$ Shpg. wt., 4 lbs. 21 P 56032 W

Net 17.95
5" System: Same as above, but with 5" poly. planar speaker. Power handling capacity: 8 watts peak. Response: 70 Hz to 20 Hz ; Im pedance: 8 ohms. Size $3 / 0 \times 6 \times 10^{\prime \prime}$. Wt.. 2 lbs. 21 P 56073

## SPEAKER ENCLOSURE KIT FOR 12" POLY-PLANAR



## g95

Attractive, Contemporary Styling

Attractively styled Speaker Enclosure espe. cially designed for the 12 Inch Poly-Planar speakers. Ideal for rear speakers in low power 4 -channel stereosystems. Comes in kit form, assembles in minutes. Consists of a handsome chrome frame and stand, black grill cloth, wire, and mounting instructions. Shpg. wt., 4 lbs.
21 P56099W
.Net 9.95

## $8^{\prime \prime}$ ROUND POLY-PLANAR SUPER THIN HI-FI SPEAKER



- Replaces 8" Conventional Cone Speakers in All Applications

[^2]
## Full Range LAFAYETTE 8" Hi Fidelity Speakers



## Deluxe SK-228 8" 3-Way Hi-Fi Speaker

Power Handling Capacity: 35 Watts

## Only <br> $19^{95}$ <br> MADE IN U.S.A.

Superb 3 -way. $8^{n "}$ speaker delivers exceptionally clean and natural sound over a full trequency range. Rigid one-piece. pressure die-cast irame maintains precision allgnment of criticaliy spaced speakei eiements. Poweriul, high compliance wooter has cloth roll suspenslon for low, smooth bass. down to io 28 Nz . Separate midrange cone for distortion tree middale frequencies. Cone type super tweeter disperses clean, brilliant high trequencies up to 19.500 Hz . targe 1 㣙" voice coll absorbs power peaks solderless terminals are phase coded for easy phasing. spring loaded for tast wiring and freedom from buzzing. Power handiling: 35 watis. Impedance: 8 ohms. Shpg. wt. 7 lis.

Net 19.95

## Deluxe SK-128 8" Biaxial Speaker

- 11/2" Voice Coil
- 4 lb . Magnet Structure
- Response: 28-19,500 Hz
- Rigid One.Piece Die Cast frame
- Cloth Roll Suspension for Strong, Smooth Bass



## SPECIFICAYIONS:

- Overall Response: 35 to $19,500 \mathrm{~Hz}$
- Free Air Resonance: $\mathbf{4 5} \cdot 65 \mathrm{~Hz}$
- Power Rating: 20 watts
- Impedance: 8 ohms
- Crossover: $2,500 \mathrm{~Hz}$


#### Abstract

8" Biaxial Speaker otters full, even coverage of the entire audio ranpe with no distortion or coloration to mar your listenling pleasure. Specially treated wooter cone has a unique "Conical stiftener" at the apex which, coupled with its mikh compliance, enables the cone to operate in a piston-tike manner-deilivering a clean, powerful bass response. The 2 . Inch tweeter has its own voice coil and magnetic field. Special treatment of cone and cone edge provides even distribution of the nigh trequencies with no peaks or re sonance. $2,500 \mathrm{~Hz}$ electrical crossover. Aduustable briliance control. Overall depth, $51 / 2^{2}$. Imported. Shpg. ${ }^{w t .} 5$ lbs. 99 P 00325 W

Net 18.75


## NEW! SK-108 8" 2-Way Speaker

- Cloth Roll Suspension For Strong, Smooth Base
- Separate High Frequency Cone Extends Range
- Peak Power Handling-30 watts

[^3]
# LAFAYETTE'S Finest Hi-Fidelity Speakers 

## DeluXe lafayetie Sk-315 15" 3 -WAY DIE CAST SPAAKER

## 5 Year AAA Guarantee <br> See Page 415

- Massive 15 lb . Magnet Structure
- Free-Edge Cone Suspension
- $3^{\text {n }}$ Wooter Voice Coil
- Pre-wired $12 \mathrm{db} /$ octave Crossover Network with Calibrated Brilliance Control
- Compression Type, Horn Loaded Tweeter is Co-Axially Mounted
- Frequency Response: $20-20,000 \mathrm{~Hz}$.
- Cone Resonance - 24 Hz

Lafayette's engineers teamed-up with America's leading speaker manufacturer to develop this outstanding $15^{\text {" }} 3$-way co-axial speaker so it could deliver more than you are ever likely to ask of it. The enormous 15 lb . magnet structure delivers an amazing 13,000 Gauss flux density... total flux is almost 300,000 Maxwells! The extra thick walls of the cast frame minimize "ringing" tendencies. Features aluminum wire for the $3^{\prime \prime}$ voice coil to achieve high conversion efficiency. The woofer cone is suspended by chemically treated cloth edges and a llat spider for a low, low free air resonance of only 24 $\mathrm{H}_{2}$. This suspension also damps standing waves which tend to develop across the cone. The co-axially mounted mid-range radiator and compression tweeter assure reproduction of all frequencies in the audible range. The tweeter ievel control iets you adjust the speaker to sult room acoustics and your personal taste in response. Engineered to mount to either front or rear of baffle board; extra gaskets furnished.
21 P 01715 WX Shpg. wt., 24 Ibs.
Net 79.95


## DeLUXE LAFAYETTE SK-312 12" 3-WAY DIE CAST SPEAKER

## 5 Year AAA Guarantee See Page 415

- Free-Edge Cone Suspension
- 2" Woofer Voice Coil
- Pre-wired Crossover Network with Calibrated Brilliance Control
- Direct Radiator Super Tweeter is Co-Axially Mounted
- Power Handling - 70 Watts Peak

This outstanding 12" speaker is the resull of a joint effort between Lafayette's engineering group and the engineering staff of one of America's most respected speaker manulacturers. Features a rigid pressure die-cast frame with phase coded speaker terminals. $6 \sqrt[3]{4}$ 10 . magnet structure delivers an amazing 9000 gauss flux density. The woofer cone is suspended by chemically treated cloth edges for a low, low free air resonance of only 25 Hz . This suspension also damps standing waves which tend to develop across the cone. The separate mid-range cone and direct radiator super tweeter assure reproduction of all frequencies in the audible range. The brilliance control permits adjustment of the high frequency response to satisfy room acoustics and the owner's laste. You can mount this speaker to either the front or rear of the baffe; extra gaskets for front mounting are included.
21 P 01707 W Shpg. wt., 12 lbs.
Net 39.95

[^4]Power Handling Capacity 70 Watts Peak

No Money Down*

## HEAVY DUTY, 3-WAY CO-AX SPEAKERS


(B) 15", 3-WAY
$21^{95}$
(A) 12", 3-WAY


- 4 lb . Magnet structures in heavy steel return circuits. - $4^{n}$ TWEETERS are protected by beautiful, anodized screen which is trimmed in polished chrome
attractive durable finishes.
- DELUXE phase-coded, spring-loaded terminals with Teflon insulation. No tools needed.
- Magnet covers and chassis feature baked-on enamet to corrosion-proof the vital, critically dimensioned steel elements for years.
(A) 12" 3-WAY SPEAKER hANOLES 45 WATT PEAKS

Large voice coil (11/2"" Dia.) and large 4 1b, magnet structure for efricient, smooth handing of bass frequencies. $4^{\circ "}$ tweeter, with an Ainico $V$ magnet, is coaxially mounted; has electrical crossover at 4.500 Hz . The midrange cone is mechanically coupled to the woofer volce coil. Handies 23 watts program mate-ial. 45 watts peak. Res., 45 Hz . Response, $35-20,000 \mathrm{~Hz}$. Impedance 8 ohms. 21 P 47262 W Shpr. wt., $101 / 2 \mathrm{los}$.
….....Net 18.95
[B] 15" 3-way SPEAKER handles 50 watt peaks
Same heavy-duty combination of voice coil and magnet as the $12^{\prime \prime}$, version, above, plus the benefit of the extra cone area of a $15^{\prime \prime}$ speaker. Tweeter and midrange cone are also identical to above $12^{\prime \prime}$ speaker. Handies 25 watts of program material, 50 watts peak. Resonance, 40 Hz . Response, $30-20.000 \mathrm{Mz}$. Impedance, 8 ohms.
21 P 47254 W Shpg. wt., 11 lbs.
Net 21.95


## $12^{\prime \prime}$ WIDE RANGE CO-AX SPEAKERS

(C) 12 " WIDE-RANGE HI-POWER HI.FI SPEAKER

- 4 Pound magnet structure, $11 / 2^{\prime \prime}$ voice coil
- Deluxe, finger-tip operated, phase-coded terminais
- Magnet cover and chassis have baked-on lacquer finish
- Co-axially mounted high frequency cone extends range

An excellent, reneral purpose $12^{\prime \prime \prime}$ speaker built to take power peaks up to 45 watts. 20 ounce ceramic magnet, $11 / 2^{\prime \prime}$ voice coil. Impedance, 8 ohms; response, $35-17,000 \mathrm{~Hz}$.; resonance, 45 Hz . Co-axially mounted high frequency cone extends range. Shipg. wt.. $7 \mathrm{H}_{2} \mathrm{ibl}$ lbs. 21 P 47122w

Net 16.95

## (D) $12^{\circ \prime}$ CO-AXIAL HI-FI SPEAKER

- $4^{\prime \prime}$ Co-axially mounted tweeter with built-in crossover
- Magnet cover and chassis have baked-on lacquer finish

A wide range, efficient speaker for medium power amplifiers, Will hande 12 watt program material, 25 watt peaks. Excellent for the $\mathrm{mi} \cdot \mathrm{fl}$ enthusiast with a limited budget. Response, $40-18,500 \mathrm{Mz}$.; im . pedance, 8 ohms: 5.5 ounce ceramic magnet; resonance. 60 Hz.; Voice coil diameter $1^{\prime \prime}$. Shpg. wt., 5 lbs .
$21 P_{47155}$

## 8" SPEAKERS, EXTENDED RANGE \& CO-AX


(E) $8^{\prime \prime}$ COAX WITH $3^{\prime \prime}$ TWEETER

Wide range response at moderate power; 8 watts program, 15 watts peak. 3 ounce ceramic magnet; impedance, 8 ohms; resonance, 75 Hz .; resp., 60.17 .500 Hz .; solder lugs; baked-on lacquer finish. Wt., 2 lbs. 21 P 47171 .
(F) 8" WIOE-RANGE HIGH POWER SPEAKER Easily handles 30 watts deak ( 15 watts normal). Smooth output, high performance. 81 g 10 oz. ceramic magnet. Magnet covered with vinyl seal. Durable baked on lacquer finish. Deluxe phase coded termi. nals-no soldering. Imp. 8 ohms. Response $45-16,000 \mathrm{~Hz}$. Shpg. wt., 31/2los.

Net 8.95 21 P 47221

8* EXTENOEO RANGE SPEAKER Separate high frequency cone extends re-
sponse. 5.5 ounce ceramic magnet. Bakedon lacquer finish. Mandies 11 watts program materlal, 22 watts peak. Impedance, 8 ohms; resonance, 70 Hz .; resp., $45.16,000 \mathrm{~Hz}$.; solder lugs. Voice coil diameter, $\mathrm{l}^{\prime \prime}$." 21 P 47080 Shipg. wt., $24 / 2 \mathrm{lbs}$. Net 5.95

## 612" CO-AXIAL SPEAKER


$61 / 2^{\prime \prime}$ woofer with heavy magnet for maximum efficlency and low distortion. $2^{\prime \prime}$ tweeter is co-axially mounted in a pro. tective sealed housing; a mesh dispersion screen provides smooth wide angle high frequency propagation. Ideal for use in pairs for stereo music systems of up to $8-10$ watts. Frequency range, 50 $16,000 \mathrm{~Hz}$. Resonant freq.. 70 Hz .; 1 m . pedance, 8 ohms; buiti-in electrical crossover network. Requires $5 \mathrm{~V} 2^{\prime \prime}$ dia, cutout. $61 / 2^{\prime \prime}$ dia., $31 / 4^{"}$ deep. Imported. Shof. wt., 2 lbs.
99 P 00283

# Deluxe Woofers, Tweeters \& Mid-Range sp LAFAY ETTE Speakers for Do-lt-Yourself Systems 

## WOOFERS FOR ALL POPULAR CABINET SIZES

## (A) $15^{\prime \prime}$ WOOFER HANDLES 55 WATT PEAKS

A powerful, woofer capable of reproducing bass frequencies, at power levels you can feel. A mammoth 40 ounce ceramic magnet in a magnetic structure weighing $7 \mathbf{3}$ pounds. The oversize, $2^{\prime \prime}$ diameter voice coil easily handles 28 watts continuously and absorbs 55 watt peaks. The baked-on lacquer finish on the magnet cover and chassis protects against corrosion of the critically dimensioned steel elements. Deluxe, phasecoded, Iingertip terminals with Teflon insulation. Res. freq.,. 50 Mz .; resp., $20-5,000 \mathrm{~Hz}$.i Imp., 8 ohms; Shpg. wt., 14 lbs.
21 P 47197W
Net 28.95

## (B) $12^{\prime \prime}$ WOOFER HANDLES 50 WATT PEAKS

This 12" woofer uses the same enormous magnet assembly, and the same $2^{\prime \prime}$ voice coll we feature in our $15^{\circ}$ wooter. Even though the cone is smaller, the resonance is held to a mere 30 Hz . by using a highly compliant cloth cone edge. Power handing is 25 watts continuous and 50 watts peak. Includes all the delure features you've come to expect from lafayette: baked-on lacquer finish on magnet cover and chassis, and fingertip terminals with Tefion insuiation. Response, 20-4,500 Hz .; im. pedance, 8 ohms. Shpg. wt., $121 / 4$ lbs.
21 P 47205W
Net 26.95

## (C] $8^{\prime \prime}$ WOOFER HANDLES 40 WATT PEAKS

A space-saving $8^{*}$ dlameter woofer that makes every effort to rival it's larger coun terparts in frequency response and power handing ability. Features a 20 ounce magnet ( 4 pounds total structure), a $1 \mathrm{~V}^{\prime \prime}$ voice coil and highly compliant cloth-roll cone suspension. Handles 20 walts of program material, 40 watts peah. Free air resonance is 55 Mz . Deluxe features include phase-coded. finger-tip terminals with Teflon insulation, balked on lacquer on magnet covet and chassis. Response, 35-7,500 Hz .; Impedance, 8 ohms; Shpg. wt., 6 Ibs
21 P 47213
Net 13.95


MR HOON
DIRECT RADIATOR (D) $8^{\circ \prime}$ hifl midrange has SEaled baskey

The closed basket, (chassis) of this midrange speaker prevents inter-modulation from the bach pressure of a woofer used in the same cabinet. A 10 ounce ceramic magnet and $1^{\prime \prime}$ voice cell are used for hish sensitivity. When used with the proper crossover, this speaker will hande the midrange and high trequency power of a 30 watt program. Ideal for use with a 700 Mz . crossover. Baked-on lacquet finish, magnet cover and chassis; deluxe phase-coded, finger-tip terminals; resp., 350. $14,000 \mathrm{~Hz}$.; impedance, 8 ohms. Shpg. wi., $44 / 4 \mathrm{lbs}$.
21 P 47189
Net 8.95

## (E) MIDRANGE HORN OFFERS HIGH EFFICIENCY

High efficlency means more sound output per watt input. Now hear cymbals and brass with outstanding brilliance. Enjoy, too, the wide dispersion angle of this diecast horn. Prewired crossover operates at $1,000 \mathrm{~Hz}$., attach to your wooter with two simple solder connections. Will handle the mid-range and high frequency power of 30 watl program. Response, $600 \cdot 12.000 \mathrm{~Hz}$.; impedance, 8 ohms; voice coil diameter, $3 / 4^{\prime \prime}$; magnet, 1.4 ounce Alnico $V ; 101 / 2 \times 3^{1} \operatorname{Kin}_{0} \times 11^{\prime \prime}$ deep. Baked-on lacquer Ifish. Shpg. wt., 374 lbs.

## TWEETERS-COMPRESSION AND DIRECT RADIATOR

## (F) DIRECT RADIATOR SUPER TWEETER

Direct radiator type super tweeter with aluminum cone, enclosed metai case, and leads, Offers high sensitivity and wide dispersion angle. Handies up to 20 watts. Response, $4,000 \cdot 18,000 \mathrm{~Hz}$; Voice coll, dia. K"; 1.23 oz . magnet; Recommended crossover frequency: $5,000 \mathrm{~Hz}$ or hither; 1 mp . 8 ohms. Imported. Requires $21 /{ }^{\circ \prime} \mathrm{did}$. mounting. Shpr, wt.. $1 / 2$ ib.
99 P 01208

(1) $9^{95}$
(G) DELUXE $3^{\prime \prime}$ CONE TYPE METAL-CASE HI-FI TWEETER

Cone type tweeter particularly efficient In the high end of the audio spectrum where ordinary cone tweeters tend to lose clatity and volume. Entlrety enclosed In metal case wilth stand and cabinet mounting bracket. Handes 20 watts. Frequency
 ohms. Imported. Shpg. wt., $11 / 2$ lbs. 99 P 00499
_ Net 6.75
(H) HIGH EFFICIENCY TWEETER HORN

Diecast, compression type tweeter horn featuring high sensitivity, wide disper sion angle and prewired crossover operating at $4,500 \mathrm{Mz}$. Handies highs of 30 watts Response, $2.000-18,000 \mathrm{~Hz}$.; $\mathrm{imp} ., 8$ ohms; 1.4 ounce magnet; $3 / /^{m}$ voice coil; balhed-


## 

## Miniature Lafayette HighCompliance Hi-Fi Speakers

## Specially designed, miniature, hi-fidelity speakers with heavy magnets. For the hi-fi enthusiast who requires quality performance in a compact area.

(A) LAFAYETTE 3" TWEETER. Fresh sounding foam-mounted cone tweeter delivers 1,200 to $20,000 \mathrm{Mz}$ frequency response. Power han dling capacity 8 watts peak. Depth $17 / 4^{\prime \prime}$. Impedance: 8 ohms. Im ported. Shpg. wt. 1 lb . 99 P 01562

Net 2.95
(B) LAFAYETTE 4" FULL RANGE HI.FI SPEAKER. Fine performance from a speaker only $\mathbf{2}^{\prime \prime}$ in depth. Frequency response 50 to $\mathbf{1 6 , 0 0 0} \mathbf{~ H z}$. ower handing capacity 8 watts. Rugged steel frame construction. 99 P 01729 . magnet. Impedance: 8 ohms. Imported. Wt. 2 lbs. (C) DELUXE LAFAYETTE $5^{\prime \prime}$ WOOFER. Superb bass response is achieved through careful matchirg of large $11 / 2$ pound magnet, $1^{\circ}$ voice coil, lo $12,000 \mathrm{Mz}$. Will handie 15 watt peak power. Depth 42 response: 40 Shpg. wt. 5 lbs. handle 15 watt peak power. Depth $41 / \mathrm{m}$. Imported. Shpg. wt., 5 lbs
99 P 01554
Net 8.95
0) LAFAYETTE $5^{\prime \prime}$ COAXIAL HI FI SPEAKER. Super miniature speaker handles up to 25 watts power. Frequency range 38 to $19,000 \mathrm{~Hz}$. Mag. nificent sound reproduction. Heavy magnet weight 1.1 lb . Rugged steel trame construction. Impedance: 8 ohms. Only $2 \not 1 / 4^{\circ}$ in depth. Imported, Shpg. wt., 3 lbs
99 P 01703
Net 10.45
(E) LAFAYETTE $61 / 2^{\prime \prime}$ OUAL-CONE HI FI SPEAKER. Powerful $61 / 2^{\prime \prime}$ speaker only $2 \mathrm{t} / 2^{\prime \prime}$ in depth. Large 1 lb . magnet. Frequency respons $50-16,000 \mathrm{~Hz}$. Power handling capacity-15 watts. Rugged steef frame coristruction. Impedance: 8 ohms. Imported. Shpg. wt., 3 lbs

## 9 P 01737 <br> Net 8.65


(a)


## LAFAYETTE Hi-Fi Acoustic Suspension Speakers



- Cloth Roll Suspension
- Peak Power Capacity - 30 Watts
- 1" Voice Coil Diameter
- Magnet Structure $13 / 4 \mathrm{lbs}$.

Professionaliy designed hi-fi speakers for acoustic suspension sys tems. Both models feature cloth roll suspension, powerful $11 / 4 \mathrm{lb}$ magnet structure, $1^{\prime \prime}$ voice coils, and 8 ohm impedance. Permanent viscous edge roll treatment seals each speaker and smoothens treble response. Frequency response: SK118 $30-20,000 \mathrm{~Hz}$; SK112 28-18,500 $\mathrm{HI}_{\mathrm{i}}$ Peak Handling Power; 30 Watts; Dimensions: SK118 Depth $\mathbf{3 "}^{*}$. Outside Diameter $81^{\prime \prime}{ }^{\prime \prime}$; SK112 Depth $4 K_{0}{ }^{\prime \prime}$. Outside Diameter $121 / \mathrm{a}^{\prime \prime}$ Cabinet plans are included with each speaker.

| Stock No. | Model No. Type | Shpr. wt. | Net ex. |
| :---: | :---: | :---: | :---: |
| 21 P 01756 | SK118- 8* Speaker |  |  |
| 21 P 01764 | SK112-12* Speaker | 4 lbs. | $9.95$ |



## (A) 2-WAY CROSSOVER NETWORK

# Selected Speakers, Speaker Kits, and Systems 

## NEW! WOOFER, TWEETER, CROSSOVER KIT



- $8^{\text {" }}$ Woofer, $31 / 2^{\prime \prime}$ Tweeter, Terminal Board, Crossover Capacitor, Wiring Harness, and Cabinet Plans

Everything supplied except the cabinet. The preassembled wiring harness (with color-coded wires) includes the cross. over capacitor, and a unique terminal board for connection with elther screws or phono pin plug. The woofer has a 10 ounce ceramic magnet and cloth-edge cone suspension. The tweeter is a separate closed-back high frequency type. Response of completed system: $40-20,000 \mathrm{~Hz}$. Impedance: 8 ohms. Shpe. w1., $31 / 2$ lbs.
21 P02044W
Net 12.95

## "CRITERION W4" 3-SPEAKER THIN LINE SYSTEM

## $34^{95}$ <br> 5.Year AAR Guarantee <br> See page 415

## COMPLETELY VERSATILE

1. Hang on wall.
2. Place on a bookshelf.
3. Place on floor stand (included).

- Power Handling Capacity: 25 Watts
- 5" Wooler and Two 3" Tweeters

space saving full-fidelity system in a convenient thin-line configuration. Apace saving full-fidelity sye innovation has been Incorporated In the design of the Criterion W4. The 3 speaker system utilizies a drane cone to increase low frequency response normally minimized in an ultra-thin enclosure. In conjunction with sponse normaly minimertiance wooler, this results in deep, resonant bass response down to 50 cycles. The 2 high frequency tweeters disperse clear, brilliant highs up to $19,000 \mathrm{~Hz}$. Electrical crossover is present at $4 \mathrm{KHz}_{\mathbf{H z}}$. Impedance, 8 ohms. The cabinet is hand finished in olled walnut with a luxurious textured brown grill cloth. Features adjustable high frea. Ievel con-

99 P O265iw No Money Down
Net 34.95


## MATCHED PAIR OF DOME HI-FI TWEETERS

## LAFAYETTE 6x9" WIDE RANGE SPEAKER



## Ideal For Add-On Remote Stereo Speakers

- 1" Voice Coil
- Response: $45 \cdot 17,000 \mathrm{~Hz}$.



## $14^{95}$

- Includes 4000 Hz Crossover Nefwork
- Add to an Existing Speaker System for Superior High Fre. quency Performance

Hi-FI, wide-range oval speaker with 10 ounce ceramic magnet and $1^{\prime \prime}$ voice coil for high sensitivity and power handling ability. Handles musical peaks up to 30 watts. Baked-on protective lacquer finish. mide.range response, $45 \cdot 17,000 \mathrm{~Hz}$. Will fit in walls, total depth is only $3^{\prime \prime}$. Screw terminals, no need to solder. Impedance: 8 ohms. Outside dimensions are only $63 \mathrm{x} \times 9 / 40^{\prime \prime}$. Shpg. wt., 3 lbs . 21 P 47270

## THE AMAZING LAFAYETTE SOUND REPRODUCER

## Turns Virtually Any Surface into a Speaker

Remarkable concept in providing sound almost anywhere. Coneless reproducer attaches to wall, doors, cellings, or most any object. Transforms the whole surface into a sounding board for beautiful "sound reproduction". Easily connects to speaker leads of any radio, phono, tape player, amplifier, receiver of other sound equipment. Perfect for use in background music or PA systems. For 4, 8, or 16 ohm solid-state or tube equipment. Can be used in a car. Buill.In magnel for aitaching to metal objects and screw for attaching to wood, plastic, etc. size: $2^{* *}$ dia. $111 / 2^{* H}$. Shpg. wt., 1 tb .
21 P 01590
Net 7.95


## LAFAYETTE Hi-Fi Speaker Enclosures

$8^{\prime \prime}$ Bookshelf Speaker Enclosure


## 2295



- Ideal For Use With All $8^{*}$ Wide Range Hi-Fi Speakers
- Solid 3/4" Wood Construction

Handsome, decorator styled bookshell speaker enclosure. Finished in olled walnut veneer with picture Irame moulding to lend a note of elegance to any decor. Features vented port design for improved bass response. Has fibergiass acoustic lining, solid $3 / 4^{\prime \prime}$ wood construction, plus factory mounted luxurious brown iweed grill cloth Back has two lug terminal strip. $18 \times 11 \times 9^{\prime \prime}$ deep. Shpg. wt., 20 lbs. 20 P 0tSigw ....................... 22.95

## 12" Bookshelf Speaker Enclosure



- Solid 3/4" Wood Construction

Beautiful, olied walnut veneer $12^{\star}$ bookshelf speaker enclosure with picture frame moulding. Features quality construction plus contem. porary styling. Custom designed to accept all $12^{-}$speakers, in cluding 2 and 3 way types. Solld $3 / 4^{\prime \prime}$ wood construction. Dual vented port design plus fiberglass lining gives improved bass response. Acoustically transparent brown tweed grill cloth lets the sound come through without attenuating the highs. All four sides finished in olled walnut veneer to match the decor of any room For vertical or horizontal placement. Size: $141 / 4 \times 233 / 4 \times 12 \frac{1}{4}=$ 20 P 04501 w Shpg. wt., $351 / 2$ lbs.

Net 32.95


All pleces of this carefully designed high fidelity speaker enclosure are accurately pre-cut of $1 / 4^{\text {" }}$ lumber to fit snugly together and virtuaily eliminate all spurious resonances. Assembled enclosure is finished in walnut on all 4 sides for either high or low boy styling. Kit is supplied unfinished, smoothly sanded and ready for finishing. Front panels feature edge moulding and plastic acoustic grilles to blend with any finish and room decor. Lined with acoustic material that prevents neverberation and cabinet resonance. Fleaible design G" Midrancé or No Mid-hang and Aimost any other

Pre-Cut for 15" Wooter

## UNIVERSAL FLOOR STANDING SPEAKER ENCLOSURE KIT <br> Smoothly Sanded

Meavier Construction Fully-Cured 3/4' tumber

Ready for a Fine Finish


Acoustic Crille of Decorative Plastic

Pre-Cut for most Tweeters

Precision Design Parts Fit Air-Tight

## Easy-to-Assemble Hi-Fi Furniture

Contemporary All.Purpose Shelf Unit For Your Hi-Fi Equipment


## Walnut Permaneer Finish

Space For

- Receiver
- Amplifier and Tuner
- Records - Tape - TV
- Pull-out Shelf for Record Changer

Striking all-purpose shelf unit for your hi-fi components-provides impressive display and easy accessibility. Ample space is provided for records and tapes. The shelf for the record player moves in and out. (Speaker compartments are separated for the utmost stereo effect.) Rear has outlet holes to run wires to and from the Receiver or Amplifier. The pressed-wood shelves have a remarkable new surfacing material of rigid walnut colored vinyl called PERMANEER. Permaneer is stain resistant. Wipes clean with a damp cloth. Heat resistant. Needs no special polishing care. Keeps its beautiful woodlike finish. Size: $651 / 2 \mathrm{~W} \times 15 \frac{1}{2} \mathrm{Dx} 301 / 2{ }^{\prime \prime} \mathrm{H}$. Comes knocked down. Shpg. wt., 91 lbs.
20 P 16004WX No Money Down*
Net 49.95


## NEW! Stereo Component Table

Versatile stereo equipment table. Ideal for space saving compact and modular 3 -piece phono systems. Top and bottom shelf are constructed of walnut grain laminated wood. Brass record rack holds up to 80 records. Size: Top shelf: $19^{\prime \prime} \mathrm{H}$. $21^{\prime \prime} \mathrm{W}, 121 / 2^{\prime \prime} \mathrm{D}$. Speaker supports are $12^{\prime \prime} \times 12^{\prime \prime}$. Comes Knocked Down. Shpg. wt., 13 lbs .
20 P 54005W .................Net 14.95


Attractively designed record cabinet will enhance the decor of your room. Features chrome legs and sliding doors. Holds up to 150 records. Pressed wood cabinet has handsome stain resistant walnut Permaneer finish. Size: $24 \mathrm{H} \times 23 \mathrm{~W} \times 16^{*} \mathrm{D}$. Comes Knocked Down. Shpg. wt., 26 Ibs.
20 P 16038W
Net 14.95

# Coordinated Shelves and Cabinets for Your High Fidelity Components 

## 1/E/// Decorator Component Shelf System

- 5-Shelf Storage Center
- Attractive Walnut Finished Vinyl
- Can Be Used As a Room Divider

An all walnut-vinyl covered shelf storage center styled to accom modate various arrangements of stereo high fidelity components. Can also be used as a room divider, or to accommodate a TV set, books and accessorles. All shelves are $30^{\circ} \times 14^{\prime \prime}$, designed to fit all popular sized components. Overall height $71^{\text {at }}$. Shipped knocked-down. Shpg. wt., 45 lbs.
20 P $54013 w x$ No Money Down
Net 34.95

## 1|5/TDeluxe Component and Record Shelf System

- Handsome Walnut Finished Vinyl to Insure Lasting Beauty
- Record Cabinet Holds Up To 200 LP Albums
Attractive contemporary styling and enduring simplicity. Designed te accommodate television sets, stereo high fidelity components, books and accessorles. Hidden record storage cabinet holds up to 200 LP albums. Entire unit covered with walnut finished vinyl to insure asting beauty. Dimensions-Overall height $661 / 2^{\prime \prime}$, overall width $341 / 2^{\prime \prime}$. Two top shelves $32 \frac{1}{2} \mathrm{~W} \times 14^{\prime \prime} \mathrm{D}$ bottom shelf and cabinet $324 / 2 \mathrm{w} \times 16^{\prime \prime} \mathrm{D}$. Shipped knocked down. Shpg. wt. 77 lbs . 20 P54021wX

No Money Down*Net 59.95


## ELECTROPHONIC Consoles for Enduring Beauty and Quality

Consoles are shipped Freight Collect from nearest Electrophonic warehouse.
No C.O.D. orders.

## NEW: Contemporary AM/FM 8-Track Stereo Phono Console

Compactly designed stereo music center with a big sound. Siyled in rich oiled walnut veneers throughout, with wainut inlays on the front panel. it's a "natural" for the city apartment, den or office. Enjoy all your favorite stereo records, 8-trach tapes, and AM/FM broadcasts. All controls are readily accessible from the top lid opening. Features include an AM/FM radio. 40 -watt solid-state tereo mplifier, separate controls for loudness, Balance and Tome, and bullt-in AM/FM antennas. The BSR Custom Automatic Stereo Record Changer comes complete with diamond stylus and 45 RPM spindle, and auto. matically shuts onf the complete system at the end of the last record. The 8-track stereo tape player has automatic channel indicators and pushbutton manual track selector. Two $6^{*}$ dual-cone full range speakers fill your listening srea with rich sound. Console site: $30 \mathrm{~W} \times 15^{5} / 14 \mathrm{D}$ $29 \%$ - M . For 117 VAC 60 Hz . Shpg. wt. 58 lbs 24 P 77000xZ

## $159^{95}$

No Meney Down ${ }^{\circ}$

NEW! Mediterranaan Style AM/FM Stereo 8-Track Phono Console

Handsome stylling and top-quality electronics combined to provide a truly compact home entertalnment system. Gracefully styled carvings decorate the sliding door panels. and overiay the rich brown speaker grille cloth. The hi-fi system includes a 40 -watt solid-state AM/FM stereo receiver, 8 -trach tereo eartridge tape player, and 85月 4. tereo cartridge tape player, and 8 so has speed automatic record changer. Also has an FM Stereo indicator light. stereo headphone jach for private listening, buitt-in AM/FM antennas, two $6^{\text {" }}$ oval "Duocone" Aull range speaters record jachs for the addition of a lape recorder, and diamond stylus. Size: 3646 W ₹ $16 \% 0 \mathrm{D} \times 25 \mathrm{~V} / \mathrm{m}^{\mathrm{H}}$. For 117 VAC 60 Hz . Shpg. wt., 107 tbs. 24 P $77016 \times 2$..........................Net 179.95

## $179^{95}$

No Money Down

36" Cabinet in Distressed Pecan Finish

32" Walnut Wood Veneer Cabinet

## NEW: Deluxe Mediterranean

 60" Stereo Console in Walnut Finisha truly elegant furniture-styled stereo console with classic columns overlaying a burnished brown-Eold speaker grille cloth. The lop lid opening is split to allow for placement of a lamp. stc. Inside, the 40 walt AM/FM Stereo 8.Trach Phono system features an FM stereo indicator light, front panel microphone jach. stereo headphone pack for private listening, and record jacks for the addition of a tape recorder. The 8 trach stereo tape playel has individual channel indicators and manual or automatic channel selection. Iwo $8^{n}$. Duocone woofers and four $4^{\prime \prime}$ Duocone mid-range/tweters provide magnilicent sound quatity. Size: 60W 180 ^ $27^{\circ} \mathrm{M}$. For 117 VAC 60 Mz . Wt., 140 lbs. 24 P $77024 \times 2$ Net 229.95

## $229^{95}$

Mo Money Dewn*

> Features 40 -Watt Solid-State AM/FM Stereo Receiver, 8-Track Stereo Tape Player. Garrard Record
> Changer with Oiamond Stylus.


# LAFAYETTE Stereo Headphones For Magnificent Private Listening LAFAYETTE Model SP55 Stereophonic Headphones 

- Frequency Response $\mathbf{3 0 \cdot 1 5 , 0 0 0 ~ H z}$
- Air-Cushioned Headband
- Soft Foam Rubber Ear Cushions for Maximum Comfort and Bass Response
- Two $\mathbf{2}^{1 / 2}$ " Wide Range Transducers

1195
with 5 t. canle
Provides outstanding full-fidellty private stereo listening. Extremely comfortable headband is covered with an air-fllied vinyl bag which serves as a gentle cushion. Soft foam rubber ear pads keep out er. ternal nolse and provide manimum bass response. Sensitivity is very high-a signal power of 1 to 2 mw will produce adequate listen. hig volume. Two specially designed full range $2122^{\circ}$ transducers are precisely matched to each ear cup. Complete with attached stereo phone plug, junction box for connection of the headphones to equip. ment which does not have stereo phone jacks, 5 ff . cable, and instructions. Frequency Response: $\mathbf{3 0 . 1 5 , 0 0 0} \mathrm{Hz}$. Impedance: a ohm per phone. Imported. Shpe. wt., $11 / 2$ lbs. 99 P 0193 s

Net 11.95


## LaFAYETTE Model F-880 Stereo Headphones

- Soft Rubber Air.Cushioned Ear Pads
- Actually Two $2^{1 / 20}$ Hi-Fi Speakers
- Frequency Response 25 to $15,000 \mathrm{~Hz}$
$17^{95}$ with 5 ft . seble

Comfortoriented design makes music Ilstening a real pleasure. Provides dazzing wide range sound. The F 880 stereo headphones are actualiy two $21 / 2^{-2}$ high fidellity dynamic speakers with a frequency response range of 25 to $15,000 \mathrm{~Hz}$ and are rated at $1 / 2$ watt maximum input; impedance, 8 ohms per phone. The soft rubber aircushloned ear pads provide extremely comfortable listening, help to keep out noise and maintain an excellent bass response. Whth 5 ft . cable and standard $14^{\text {" }}$ ohone plug. Imported. Shpg. wi.a 2 los. 99 P 02040 Net 17.95


## LaFAYETTE Model 8 X Stereo Headphones

- Soft Rubber Cushion Earcups
- With 5 ft . Coiled Cord

- Frequency Response: $\mathbf{3 5 - 1 5 , 0 0 0 ~ H z}$ with 5 Ht colled cord

Wonderfully comfortable-features soft rubber cushion earcups which block out most external nolse. Lightweight vinyl covered headband adjusts to fit easily. . Iets you listen to your favorite programs hour after hour without fatigue. The oif $Z^{\prime}$ iransducers in each earcup oring to your ears smooth. fult fidellty sound and complete stereo separation. The headset welghs only 11 oz . Frequency response: 35 to $15,000 \mathrm{Mz}$. Output: 100 mw . Matches 8 or 16 -0hm impedance. Supplied complefe with 5 .ft. colled cord and standard $1 / 4$ " phone plug. Imporied. Shpg. wt., IV/2 ibs


LAFAYETTE SP22 Stereo Headphones
Ideal For Use With Stereo Phonographs and Low-Power Stereo Receivers and Amplifiers

- Frequency Response: $\mathbf{3 5 - 1 2 , 0 0 0 ~ H z}$
- Lightweight, Only 10 oz .
- Adjustable Headband 130

Quallty private afford Perfect for sterg stereo headphones at a price everyone can stereo recelvers stereo or mono. Designed for use with low priced

 fancers for full-range response. Impedance: 8 -ohms. with 6 -feet 19 P 02123 standard stereo phone plug. Imported. Shpg. Wt. 1 to 99 P 02123


## Top Quality LAFAYETTE Stereo Headphones

## LAFAYETTE F990 Stereo Headphones

- Two large $31 / 2=$ Wide Range
Transducers
- Frequency Response 20-20,000 $\mathbf{H z}_{2}$
- Air-tight Earphone Cushions


## ONLY <br> $29^{95}$ <br> with $61 / 2^{\prime}$ Cable

 - Fully Adjustable, Cushioned Vinyl HeadbandNow the listener in his home can own a pair of stereo headphones imilar to the one used in laboratories, recording studios and broadcast stations. Superbly engineered to provide brilliant, full-dimensional stereo sound. Two large $31 / 2^{\prime \prime}$ transducers provide complete full-range coverage from $20-20.000 \mathrm{~Hz}$. A comtortably solf, but air tight seal to the ear is provided by foam fllted earphone cushions. Fully adjustable. cushioned vinyl headband will give you hours of listening comfort without any fatigue. Comes with $61 / 2 \mathrm{tt}$. cable and standard stereo phone plug. Impedsince: 8 ohms. Imported. Shpg. wh. 21/2 lbs.
99 'p 02099
Net 29.95


## LAFAYETTEF1000 Two-Way Stereo Headphone with Individual Volume Controls

- Individual Left and Right Channel Volume Controls
- Response: $20-20,000 \mathrm{~Hz}$
- Two $21 / h^{2}$ 2.Way Woofer/Tweeter Transducers

With the $\mathbf{F 1 0 0 0}$ you can enjoy the realism of virtually distor tion free wide range stereo headphone listening. Each earcup contains a specifically designed 2 -way woofer/tweeter transducer and a volume control for critical, controlled sound monitoring. For private music listening you can taltor the monitoring. For personal laste without having to get up and sound to your personar aste on your ampilifier. Comfortable, adjust the volume contrals an your ampinter. Comforiab ex lightweight, form fitting design permits you to enjoy extended listening without tiring-hour aiter hour-stereo or mono. Impedance, 8 ofms. With coiled cord that extends up 106 feet. Imported. Snpg. wt., $21 / 2 \mathrm{lbs}$. 99 P 02552 No Money Down*

Net 39.95


## LAFAYETTE F-500 4-Speaker Stereo Headphone

Each earcup contains $35 /{ }^{\prime \prime}$ woofer, $3^{\prime \prime}$ tweeter, and L-C cross-over network.

- Frequency Response $16-22,000 \mathrm{~Hz}$
- Adjustable Vinyl Cushioned Headband

Pure, true, uncolored stereo sound. Each earpiece contains a 2. speaker 2 -way sound system featuring a dynamic $35{ }^{4 \prime}$ " woofer and a super mylar cone type tweeter with a 400 Hz . L/C crossover net. work. The sound is tallored to complement ear sensitivity in order to enhance listening pleasure. Absolute smooth response is virtually distortion tree. Rugged shockproof construction. Headband adjustment for added comiort. Extra wide foam filled ear cushions seal out ambient noise, and extends bass response. Meets the rigid requirements of protesstonal use. Impedance s to 16 ohms. With coiled cord Ihat extends to 6 ft . Imported. Shpg, wt., $23 / 4 \mathrm{lDS}$. 99 P 02685 No Money Down*

# NEW! Laraverite F F4000 4 Chameal Stereo Headidone 


Patented baffle
plate for front and
rear speakers increases
acoustic front-to-rear
separation.

- 4 Separate 21/4* Speaker;


## Lafayette F-2001 Electrostatic Stereo Headphone



- Super, Wide Range Response $5-35,000 \mathrm{~Hz}$

The absolute super-realism of live sound is reproduced by this superior, comlortable headphone (weighs only 16 oz.). The substance and delicate tone of each instrument is spectacularly captured either individually or in harmony with all the other instruments of the orchestra. Uses the electrostatic principie-a moving diaphragm is suspended between 2 metal plates. A static eiectrical field is set up that controls the motion of the dlaphragm. A self energizes included, Is required to convert an audio sienal into a $O C$ polarizing voltage needed to charge the diaphragm. No ertra AC power supply is required. Delivers 3 octaves of sound beyond conventional phones. Freq. Response is $5-35,000 \mathrm{~Hz}$. Has adjustable vinyl cushioned head. band, 5 " $141 / h^{\prime \prime}$ earphone cushions. Energizer has a speaker/phone swhich, and inputs for attaching two phones. Includes color coded speaker cables. Impedance is $4-16$ ohms. Imported. Shpg. wt., $63 . / \mathrm{lbs}$. 99 P 02636 No Money Down* .................................Net 49.95 Headphones less Energizer. Smpg. wt., $21 / 4$ los. 99 P 02743 No Money Down*

Net 34.95

## Stereo Headphone Accessories

## 25 FT. UNIVERSAL STEREO HEADPHONE EXTENSION CORO



- Plugs Directly into Front

Panel Stereo Headphone Jacks
Listen to stereo through your favorite headphone anywhere in the room. Ideal for use with Lafayette, Koss and other standard brand headsets. Flexible 3 -conductor coiled cable. With a $1 / 4^{*} 3$-circuit plug on one end, a 3 -circuit jack on the other end. Imported. Shpg. wt, ${ }^{3 / 4} \mathrm{lb}$.
99 P 01166
Net 2.95

## 1O-FT. STEREO HEAOPHONE EXTENSION CORD



- For Stereo Amplifiers Without Headphone Jack

[^5]
## STERED HEAOPHONE VOLUME CONTROL



- For Phones Without Self-Contained Volume Controls
Features left and right channel volume controls and 3 -way switch (right, teft, stereo). with $6 . f 00^{+}$cord and plug on one end for con. nection to siereo amplifier jack, and 2 foot cord and jack on other end for connection to stereo headphone. Shpg. wt., $1 / 2 \mathrm{lb}$. Imported. 99 P 00242 Net 4.95


## " $\gamma$ " ADAPTER CABLE FOR DUAL STEREO HEAOPHONE LISTENING

## 149



For connecting 2 stereo headphones to 1 output jack, Permits 2 persons to listen to same program. Two 3 -circuit $1 / /^{\prime \prime}$ plugs on one end, 3 circult jack on other end. 3 -feet long. Shps. wt., 602 .
99 P 00960

## STERED HEAOPHONE REMOTE CONTROL BOX

# KOSS, SUPEREX, PICKERING and SENNHEISER HEADPHONES 



Gives smooth, fatigue.free response, 2 octaves beyond conventional dynamic phones. Adjustable wide headband cushion for maximum comfort. Patented, liguid-filled remov: able cushions. Designed for use with all stereo hi-fl amplifiers, will operate on any unit from 1 to 500 watts. High quality drivers mounted In accustically designed enclosures provide smooth frequency response from 10 to $20,000 \mathrm{~Hz}$ Whth 10 ft coiled cord and plug. 4 ohms impedance. Shpg, wi, $21 / 2$ los. 21.45209

## KOSS PRO-5O A-CHANNEL HEADPHONES

## $70^{00}$

with 10 Ht cord
NEW
and connector:
Net 60.00


Incorporates 4 new koss-designed pressuretype dynamic driver elements. Features rotary volume and balance controls as well as liquid-filled eaf cushions, which provide comiont and an effective seal against outside nolses. In brown with bronze irim. Foam padded adjustable headband. With 10 it. coiled cord and two three circuit plugs. shos. wt. 3 lbs.
21 Shpe. 45233 No Maney Down:
Nel 70.00

Precision-made full range single driver in each earpiece delivers distortion-tree sound across the audio spectrum from 22 to 20,000 MI. Distortion: Less than $1 \%$ at 115 db SPL (Sound Pressure Level). Adjustable foamtilled headband and ear cushions for comfort chapeoal biack ear cuos with green foreadband and ar cushions impedance. 8 headband 10 ft . cord with heavy-duty plug. Shpg. wi.. 2 Jbs.
2 tPssie ${ }^{2}$ No Money Down* Net $39 . e 5$


- Sec Page 23 for Full Details on Easy Pay Plan

KOSS ESP. 6 ELECTROSTATIC


Uses elecirostatie principie
self-energised disphragms will reproduce 3 octaves of sound beyond the limits of voice coil and cone type driven headphones, Response: 30 . $19,000 \mathrm{~Hz}+2 \mathrm{db}$ Inpul Impecance: 4 to 6 ohms Cushloned foam rubber headband 16 ohms, Cushined marm comfort. Liquid-filled ear cushions minimizes annoying erternal nolse. Includes $10^{\circ}$ coiled cord, connector box with speakef on/off switch, and carry case. Shpg. wt., 61/4 los
21 \& 45167 L No Money Down*.... Net 95.00

## OELUXE KOSS K2 + 2 4-CHANNEL HEAOPHONES



NEW
whith 10 ti cord and connectors
separate driver elements, each with one inch voice coil, deliver 4 channel sound from a channel amplifiers. A switch on the phones allows use of the $\mathrm{K} 2+2$ with conventional channel stereo amplitiers. Frequency Re. sponse $10-20,000 \mathrm{~Hz}$. Ear cushions are ftuid. $s p o n s e ~$
filled for high ambient noise isolation. Entendable stainless steel cushioned headband for maximum comfort. Shpg. wh.. $31 / 2 \mathrm{lbs}$. 21 P 45225 No Money Down Net 85.00


Unique "open alir" foam ear cushions drastically reduce welght and bulk of the headset fonly 5 oz without cord). Etiminates need for closed cavilies on elther side of need for closed cavities on elther side of earphone diaphragms. Features $1 y^{\prime \prime}$ " wide range transducers. Frequency sesponse: 20 $20,000 \mathrm{Mz} .2000$ ohm impedance. Connects difectly to elther high or low impedance outputs. With 10 ft . cabie and stereo phone plug Shpe. wt., $11 / 2 \mathrm{lbs}$. Imported. 21 p 58004 No Money Down* Net 33.95


Highly sensitive stereophonic reproducers will accept up to 60 watts per channel from any normal program source and can be used in any system with a 4,8 or 16 ohm output. Foam-tilied ear cushions are removable for easy cleaning. $10-\mathrm{ft}$. colled cord for added convenience. Distortion-less than $1 \%$ at maximum output. Response: $10-15,000 \mathrm{~Hz}$. Fully adjustable for comfortable private listening-even during long listening periods. Shpg. wt., $2^{1 / 2}$ los.
21 P45076
Net 34.95

## SUPEREX MOOEL PRO-B-VI

## 000

with is ts. called cor'd

Professtonal quality stereo headphones Each phone cup has a calibrated and matched 2.way (wooler/tweeter) speaker sys. tem with crossover network. Each system is individually tuned and ported. Luxuriously comfortable - the Pro-B.VI features a reolaceable soft vinyl covered urethane "comform ${ }^{-2}$ ear custion. Frea, Mesponse 15-27,500 Hz 416 ohm impedance shpg wt 3 lbs. 21 P 80099 No Money Down* Net 60.00


Destened for use with discrete 4 -channel stereo ampllfiers or receivers. Can be used with two separate 2 -channel ampllflers. The iwo identicat matched transducer units in each earplece are acoustically isolated and electrically independent of each other. Frea. Response: 20 to $18,000 \mathrm{~Hz}$. Impedance: 4 to 16 ohms. Fully adjustable padded headband with replaceable urethane vinyl covered toam ear cushion. $15^{\circ}$ coiled cord with 2 stereo plugs (Iront and rear). Shpg. wt., 2 lbs.
21 P 80081 No Money Down ${ }^{\circ}$ Net 50.00

# DELIXE $\bigodot$ Synchro-Lab Automatic arrard/ Turntables Featuring... 

## Inonel Sivining Combinindiums Sive thit 14.5 From Individual Catalog Prices

## When you purchase your choice of a Pickering or Shure Elliptical Cartridge with a Garrard Turntable Listed on Page 80 or 81

(See Page 88 for Description of Cartridges)


Pickering
V15 Micre IV/AME 49.95


Pickering V15 Micro IV/ATE 39.95


Pickering V15 Micro IV/ACE 29.95


Shure
M91E
49.95


Shure M93E 39.95


Shure
MS5E
25.95

## SL95B 3 Speed Advanced AUTOMATIC TRANSCRIPTIOM TURNTABLE =mamare thimen <br> Stereo Cartridge

## $149^{95}$

less cartridse, less blase

## $149^{96}$

Plus choice of
Pickering V15 Micra IV/ATE or Shure M93E, less base

## $154^{95}$

Plus choice of
Pickering Vis Micro IV/AME
or Shure M91E, less base
Garrard's deluxe 3-speed Automstic Stereo Transcription Iurntable with syachronous motor lor perfectly constant speed. Plays $331 / 3,45$, and 78 RPM Records. Advanced ultra-low mass tonearm of Afromosia wood set into aluminum, floats virtually friction free on lewel-like pivots in gyroscopically gimbalted mounting. Fully adjustable counterweight. Fully damped single-control cueing/pausing. Viscous damped slow descent of tonearm during manual and automatic play. Exclusive 2-point record support at center and edge during automatic play. Permanently accurate anti-shating control of patented sliding weight design. Calibrated stylus pressure Rauge adjustable in $1 / 4$ gram increments with window scale for easy reading. Slide-in carIridge clip. Full side, likht.welght turntable. Two interchangeable spindles. All connecting cables For $110-130 \mathrm{~V} 60 \mathrm{~Hz} \mathrm{AC}$ Size: $15 \%{ }^{2} \mathbf{W}$
 Less Base.

Tonearm floats virtually friction-free within a gyroscopically gimbalied mountling on jewel-like needle pivots for lightest possible tracking.

21 P 40440 Wx SL95B No Money Down
22 P $90419 W X$ M SL 958 Plus Pichering V15 Micro IV/air...Net t 49.95 21 P 40911 WXM SL95B Plus Shure M93E Nicro IV/AtE Net 149.96 22 P 90427WXMSL958 Plus Pickering Y15 MIcr.................Net 149.96 22 P 90401 WXM SL958 Plus Shure M91E Micro IY/AME Net 154.95

- See Page 23 for Full Defails or Easy Pay Plan


SYNCMMO-
LAB MO. TOR FOR flawless, silent syn: ehronous speed.

ADJUSTABLE ANTI. SKATING CONTROLS prevent record and stylus wear.
 SUPPORT ON SL95B. SL75B. SL728 at both center and edge.

## MODEL SL55B 3.SPEED SYNCHRO-LAB AUTOMATIC TURNTABLE <br> with Choice of Elliptical Stereo Cartidges



Plays $331 / 3,45$, and 78 RPM Records, Light weight, tubular aluminum tonearm with fired-position damped counterweignt and slide-in cartridge clip. Bulit in stylus force adjustment and optical scate. Viscous damped, single.lever cueing. Fully adjustable antiskating. Oversized turntable with all connectlag cables. For $110-$ 130 V 60 Hz AC Size: 143 " $\mathrm{W} \times 12$ 汭"L: above motor board 4\%", below $21 /{ }^{\prime \prime}$.' Imported. Wt., $91 / 2$ ibs. less base. 21 P 4048 iw SL55B only
22 P $90344 W M$ SL55B Plus Picter Net 54.95 21 P 40614 WM SL558 and Shure M55E 22 P 90336 WM SL55B Plus Plckering V15 Micro IV/ATE ... Net 69.95 21 P 40945 WM SLS5B plus Shure M93E Net 69.95

## MODEL SL65B 3-SPEED SYMChRO-LAB AUTOMATCC TURNTABLE with Choice of Elliptical Sterso Cartridges

$84^{95}$ cartridge and base.<br>Money-Saving SL65B/Cartridge<br>Combinations-See Below Listings



Plays 3 Speeds: 334h. 45, and 78 RPM, Features: Synchro-Lab Motor, large turntable of heavy aluminum, low-mass tubular aluminum tonearm dynamically balanced with adjustable counterweight, adjustable antl-skating control, viscous damped, single lever cueing. adjusiable anti-stas Precision stylus pressure gauge with oplical scale, Connecting cables. For $110-130 \mathrm{~V}, 60 \mathrm{~Hz}$. AC. Size: $15^{\prime \prime W} \mathrm{~W} 13 \mathrm{H}^{\prime \prime}$ ' ; above motor board $43 / 4^{\prime \prime}$, below $3^{\mu}$. Imported. Wt., $101 / 4$ tbs. less base.
21 P 40473W SL65B only
Net 84.95
22 P 90369 WM SL65B Plus Pickering V15 Micro IV/ACE ..Net 84.96
21 P 40655 WM SL65B Plus Shure M55E Net 84.96

21 P 40952 WM SL65B Plus Shure M93 Net 89.95

## SL72B 3.SPEED SYNCHROLAB aUtomatic transcription turntable

with Choice of Elliptical Stereo Cartridges
$109^{95}$
Less cartridge, and base

## $109^{96}$

Plus choice of
Pickerine V1S Micro IV/ATE or Shure M93, less base

## $114^{95}$

Plus choice of
Pickering V15 Micro IV/AME or Shure M91E, less base

No
Money Down*

Plays $331 / 3,45$, and 78 RPM Records. Synchro.Lab Motor for perlectiy constant speed, unwavering musitcal pitch. Record plattorm for sate, two point support during automatic play. Low.mass tubular aluminum tonearm of advanced design floals on needie pivots within a gyroconearm of avanled mounting for flawless tracking. Fully adjustable scopically gimballed mounting for flawless tracking. Fully adjustable counterwelght. Slide-in cartridge clip. Patented, permanently accurate sliding weight anti-skating control. Calibrated stylus pressure gauge with visible scale. Damped set-down of tonearm in manual and automatic play. Single control viscous damped cueing. simplified finer-tip tab operating controls. Full size turntable. Two interchangeable spindtes. All connecting cables. For 110.130 V 60 Hz AC, Dimen.
 ported. Shpg. wt., 11 libs. Less base.


Gyroscopically gimballed tonearm meunting, dlus needle-pivols assure frictiondree tonearm movement .... vertically and horizonially... and light tracking.

Utivelow-mass, lishtwelght tonearm of advanced hexagon shaped design and adjustable counterwelght provides perfect balance and tlaw. less tracking.


# REVOLUTIONIZES THE AUTOMATIC TURNTABLE WITH THE 

THE NAME STANDS FOR ZERO TRACKING ERROR UP TO 160 TIMES LESS THAN WITH ANY CONVENTIOMAL TONE ARM

## ZERO 100

## $199^{95}$

Less cartridge and base

## SAVE Up To $49^{95}$ <br> On ZERO 100 with Elliptical Cartridge

## Buy Pickering V15 MICRO IV/AME For Only 1¢ With Purchase of ZERO 100 SAVE 49.94 From Individual Catalog Prices

22 2ER 90443 WX Pickering V15 MiCRO IV/AME Elliptical Cartridge. 22 P 90443 WXM Shpg. wt., $16 \mathrm{~V} / \mathrm{f}$ fs.

Buy Famous Shure V15/Type II For Only $\$ 25$ with Purchase Of ZERO 100. SAVE 42.95 From Individual Catalog Prices

The brilliant ZERO 100 meets the demands placed on the automatic turntable for higher performance standards in today's sophisticated high fidellty martet. Heart of the ZERO 100 "super changer" is a revolutionary new tone arm engineered to provide zero tracking error for preserving the record grooves and obtaining the finest sound reproduction. The arm is designed so that the cartridge housing is pivoted directly above the stylus tip. resulting in the stylus itself always being perpendicularly langent to the groove. Other fine fesfures are $15 \%$ vertical traching adjustment, cartridge overhang andjustment, magnetic anti-skating control, interchangeabte spindies, long spindie accommodates a stack of six records, short one for single play. Kinetically matched furniable. Separate control tabs for auta, manual, and cueing/pausing. 2 speeds, $331 / 3$, and 45 Rpm . Satin aluminum finish with sparkling white unit plate. Size: $15 \%{ }^{\circ}{ }^{\circ} \mathrm{w}$ \% $14 \%^{\circ " D}$. Above motor board $4 \geqslant "^{\circ}$. below motor board $2 \%$ Ko $^{\prime \prime}$. For 100.130 volts, 60 cycle AC. Imported from England. Shpg. wt., 16 lbs. 21 P 40994 Wx No Money Down* ...........................Net 199.95

[^6]
# 0 Automatic Turntables <br> arrard and Manual Record Players 

Model 40B 3-Speed Automatic Turntable Plus Choice of A Pickering, Shure, Empire, or ADC Elliptical Cartridge

Plays 331h, 45, and 78 rpm records. Full viscous damped, single lever cueing. Low mass, tubular aluminum tonearm with fixed isolaled counter-weight. Slide-in cartridge clip essures positive cartridge alignment. Easy to sdjust stylus pressure control and visible scale. Swingaway overarm moves to the rear, out of the way for manual play. Two interchangesble spindles. Oversize turntable with handsome safety mat size: $14 \%{ }^{\circ} \% \mathrm{~W}$ $122_{2}^{\prime \prime} \mathrm{L}$. Requires $45 \mathrm{~m}^{\prime \prime}$ above and $3^{\prime \prime}$ below motor board. With all connecting cables. Less dase. For $110 \cdot 130-\mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpe. wt., $91 / 2 \mathrm{lbs}$.
21 P 40499w Model 40 B only Net 49.95 model 408 and Pickering PAT/E-1 Elliptical Cartridge. Shog. wt., $93 / 4 \mathrm{lbs}$. 21 P 40556 WM

Net 49.96 Model 408 and Shure M44E Elliplical Car. tridge. Shpg, wt. $93 / 4 \mathrm{lbs}$.
21 P 00564 WM $\qquad$ Net 49.96 model 408 and Empire $90 E \mathrm{E} / \mathrm{X}$ Elliptical Car. tridge, Shpg. wt., 91/2 lbs. 21 P 40861 WM

Net 49.96 Model 408 and MOC 220EX Elliptical Caftridge. Shpg. wt., 91/2 lbs. 22 P9032eWM

Net 49.96 Model 408 and picherins Vis Miere IVfact Elliptical Cartridge. Shpe. Wt., $94 / 2 \mathrm{lbs}$.
22 P90310WM
Net 54.95 Model 40日 and shure Msse Eliptical Car. tridge. Shpg. wt., $91 / 4 \mathrm{lbs}$. 21 P $40598 W M$ Net 54.95 Model 408 and Empir sosE/X Elliplical Cartridge. Shpg, wt., 91/2 lbs. Net 54.95


## Save up to 24.95 trom Indididual Catalog Prices

 on GARRARD 408 and Elliptical Stereo Cartridge Combinations (See listing to left)
## MODEL SP20B 4 SPEED MANUAL RECORD PLAYER

 with Choice of Stereo Elliptical Cartridge
## $42^{95}$ <br> 는

 Cartridse and base
## 47 95 With

 Wehoring PAT/E.I Elliptical Cartridge, Less Bate57 95 with Pickering Vis Micro IV/ATE Elliptical Cartridge, lest bate

A compact efficient manual player with high fidelity features. Low. mass tubular aluminum arm with fired counterweight, isolated In a resillent housing to effectively damp out tonearm resonances. Fully adjustable stylus pressure control with optical scale. Slide-In cartridge clip accommodates all the latest cartridges and assures positive alignment. Automatic return of tonearm after record has played. Full-size turntable. Supersensitive trip. Size: 14 vawni2waLx $3 \mathrm{y}=\mathrm{N}$ above and $24 \mathrm{~m}^{-\infty}$ below motor board. Imported. Less base. For 110.130 V 60 Hz AC . Shpg. wt. 9 lbs. 21 P 40507w SP208 only No Money Down* ............Net 42.95 SP20B plut Pickering Pat/E-1 Ellipical Cartridge. Shpg. wt., $91 / 4 \mathrm{lbs}$. 21 P $40853 W M$ No Monev Down* ....................................... 41.95 \$pros plus Pickering VIS Mier IV/ATE Eitipitical Cartridge. Shpg.
22 P 90450 l . 94 No Money Down* $\qquad$
22 P 90450 Wa No Money Dawn*
Net 57.95


Garrard 4 -speed automatic stereo turntable designed especially for use in low priced hi.fi systems, and periect for replacement in consoles and phonographs. Features oversited, weighted turntable, tubular tonearm, ultra compact size. Plays $1625,3315,45$ and 78 RPM records. Intermix automatic operation when desired, Two spindlesshort for manual, center drop for automatic play. With ceramic cartridge, diamond stylus. All connecting cables. Oim.: $14 \%$ w $123 / 4^{" 1}$, above motor board $4 \mathrm{y} / \mathrm{h}^{\prime}$, below $2 \mathrm{k} \mathrm{a}^{\mathrm{m}}$. For $110-130 \mathrm{VAC}, 60 \mathrm{~Hz}$. Less base. Imported. Shpg. wi., 9y/4 1bs.
21 P 28171 No Money Down*
....Net 44.95
24 P 37044 Replacement Cartridge 3 02. ......................Net 7.95 24 P 02980 Replacement Diamond Needle 3 oz. ......Net 2.79

Module XII Garrard 4-Speed Automatic "Demi" Changer with Pre-Installed Stereo Ceramic Diamond Needle Cartridge, Base \& Dust Cover Miniature automatic record changer. Small enough to fit on a bedside table or a small shelf. Can play up to 8 records in automatic play ... 4 Speeds: 1623, 3343. 45, 78 rdm . Tubular aluminum tonearm precisely balanced for correct trelling. Automatic shut-off after last record has played. With all hook. up leads. Size: $13 y 4^{\prime 2} 2 \times 10^{\prime} W \times 6 \% / 4$. Imported. For $110-130 \mathrm{VAC} 60 \mathrm{~Hz}$.
21 P 40523w Shpg. wt., 8y/4 tos. ........Net 44.95

## $44^{95}$

## Complete <br> Mo Money Down

Module $\times 10$ Precision Automatic Turntable with Pre-Installed Stereo Ceramic Diamond Needle Cartridge, Base \& Cust Cover.
features uftra low.mass tubular aluminum tonearm. large oversize turntable. Singie lever control for ize controts plays $7 \infty$ 45 op 78 rpm . for $110-130$ VAC, 60 Mz . Size fon
 necting cables. Shpg. wi., 15 lbs .
21 P40846w
Net 59.95

Complete No Money Down"

Module SLX-2 Synchronous 3-Speed Automatic Turntable with Pre-Installed Stereo Magnetic Diamond Needle Cartridge, Base \& Dust Cover syachro-labe motor for constant synchronous speed, dynamically balanced tone arm with ball bearing pivots, cuein and pause control. adjustable stylus pressure gauge built into tone arm-adjustable from 0105 grams. Plays 3343,45 . or 78 rpm records ( $12^{*}$. $10^{\circ}$ or 7 "7. For $110-130$ VAC 60 Hz . Dim. (on base): $15 W_{1} 13 y_{4}$ Dx $7 y^{\prime \prime M}$. With aft connecting cables. Imported. Shpr. wt.. 16 tbs. 21 P $40432 w$ Net 79.50


Complete No Money

Down ${ }^{\circ}$

Module SLX-3 Synchronously Powered 3-Speed Automatic Turntable with Pre-Installed Magnetic Elliptical Cartridge, Base \& Dust Cover Synchro-laba motor guarantees perfectly constant record speed . . . unwavering musical pitch. Exclu. sive two-point record support at center and edge during automatic play. Stylus force adjustment with window scale. Uitra-low-mass tubular aluminum tone. arm. Permanently accurate sliding weight anti-shat. ing control. Fully damped, single control cueing. Viscous damped tonearm. Finger-tip controls, Over. size furntable. With all audio cables. Size (includes base and cover): 15\% "Wr1440Dra"M. For $110-130 \mathrm{~V}$ AC. 60 Hz . Imported Shpg. wi., 18 ibs. 21 P 40515 W


Complete No Money Down ${ }^{\circ}$

ACCESSORIES FOR GARRARD AUTOMATIC TURNTABLES


| STOCK NO. | $\begin{aligned} & \text { MODEL } \\ & \text { FIG. NO. } \end{aligned}$ | DESCRIPTIOM | FOR | SHPE WT. | $\begin{aligned} & \text { NET } \\ & \text { EA. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 21 P 40226 W | A 81 | Ebony Pin-Seal Plastic Base | SL65B, SL558, 408, 30, SP208 | 21/2 lbs. | 5.95 |
| 21 P 40234W | A 82 | Ebony Pin. Seal Plastic Base | SL958,SL758, SL728, Zero100 | 21/4 lbs. | 6.95 |
| 21 P 40242W | B B1P | Power-Matic Base w/Auto. Shut-off | SL658, SL55B, 40B, 30, SP20日 | 2142 los. | 14.55 |
| 21 P 40259W | 8 82P | Power-Matic Base w/auto. Shut-ofl | SL95B, SL758, SL72B, Zero 100 | 3 lbs . | 15.95 |
| 21 P 40820w | C WB1 | Deluxe Walnut Wood Base | SL658, SL558, 408, 30, SP208 | 4 lbs. | 19.95 |
| 21 P40838w | C WB2 | Deluxe Wainut Wood Base | SL958, SL758, SL728, Zero 100 | 4 lbs | 19.95 |
| $21 P 40267 W$ | 0 01 | Plastic Oust Covert | SL658, SL55B, 408, 30, SP20日 | $31 / 2 \mathrm{lbs}$. | 5.95 |
| 21 P 40275 W | $0 \quad 02$ | Plastic Oust Covert | SL958, SL75B, SL728, Zero 100 | $31 / 4 \mathrm{lbs}$. | 6.95 |
| 24 P 12096W | E | Wood Mounting BoardUnfinished | SL65B, SL55B, 40B, 30, SP20B | 11 tb | 1.95 |
| 24 P12161w | E | Wood Mounting BoardUnfinished | SL95B, SL758, SL728, Zero 100 | 1 tb . | 1.95 |
| 21 P 40531 | F FLRS35 | 45 ram Spindle | 658, 558, 408, 30, SLX.2, X 10 | 308. | 2.25 |
| 21 P 37974 | F LRS25 | 45 rpm Spindle | SL958, SL758, SL72B, SLX-3 | 602. | 3.80 |
| 21 P28007 | F LRS100 | 45 rpm Spindte | Zero 100 | 602. | 3.80 |
| 21 P 40549 | F F40 | 45 rpm Spindle | $\times 11$ | 302. | 2.25 |
| 21 P 37982 | 6 Cl | Cartridge Clip Holder | 51758 | 202. | 2.25 |
| 21 P 37965 | $6 \quad C 2$ | Cartridge Clip Molder | SL958, SL72B, SL65B, SL55B, 408, 30, SP208 | 208 | 2.25 |
| 21 P 28015 | $6 \quad C 3$ | Cartride Clip Holder | Zero 100 | 802. | 3.00 |

# Quality LAFAYETTE Record Changers at Popular Prices Deluxe LaFAYETTE AC50B 4-Speed Automatic Pushbutton Stereo Record Changer 

- 4 .Speeds: $16,33 \div \frac{1}{3}, 45,78 \mathrm{RPM}$
- Pushbutton Operation for Automatic Play, Manual Play, Stop
- Automatic Shut-Off After Lasi Record

A superb, 4-speed automalic record changer with professional single lever cueling. Handsomely styled and en. gineered to provide the highest standard of performance and dependablity. Ideal for playing both stereo and monaural $12^{\text {m }}, 10^{\prime \prime}$. and $7^{\text {m }}$ records. Can pitay up to 7 records automatically. Intermines records of the same speed. Shuts of after last record has been played. Features oversized turntable with rlbbed record mat; one-plece low mass cast aluminum tone arm; 4-position speed selector slide switch; two spindles: one for manuat play and a center droo for automatic play. All controls are always perfectly accessible even with $17^{\prime \prime}$ records on the turntable. Meavy duty, constant speed motor. Ceramic stereo turn over cartridge with diamond LP needie. Mainplote has beautiful leather-lite finish with black rubber furntable mat and chrome trim. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. size: $131,4 W x 11^{\circ} \mathrm{D}$. Requires $3 \% \%_{0}^{\prime \prime}$ above and $3^{\prime \prime}$ below motor board. Imported. Shps, wt., ${ }_{21} 1 \mathrm{bs}$.

## 21 P 01699w

Net 29.95
ACCESSORIES FOR MOOEL ACSOB Walnut Wood Base. Shpg. wt., $21 / 4 \mathrm{lbs}$. 21 P 01657 W Net 4.95 Plastic Dust Cover. Shps. wt., $11 / 2 \mathrm{lbs}$. 24 P 09043 W . Shpe. wt. 401 . 45 RPM Soindle. Shps. wt., 401 Net 1.95
21 P 01673 Replacement Stereo Cart. Wt., 3 Oz. 21 P 01655 Net 4.95


LAFAYETTE "MMini" 4-Speed Automatic Stereo Record Changer Ensemble


Model MC228 Features:

- Perfect Companion for Shelf Component Systems
- Automatic or Manual Play al $16,331 / 3$, 45, 78 RPM
- Intermixes $10^{\prime \prime}$ and $12^{-}$Records of The Same Speed
- Automatic Shut-off After Last Record


## Diamond <br> Needie

a versatito, dependable 4 -speed automatic stereo record changer premounted on a simulated Black Leather base with wainut vinyt trim-completely ready to plug into your audio equipment. Especlally suited for booksheff wioth component sysfems and compact equipment installations. Features low-mass tone arm, high quallity ceramic furnover stereo cartride with diamond LP needie. defachable spindie, vibration-free dynami. cally balanced 2 -pole motor. Handes stack of G-records automaticaliy or can ba operated as manual player. Aiso Includes tinted piastic dust cover. UL listed AC cord, and all audto cables. Size includes Basa 1474 I $5 \times 10^{\circ}$. Shps. wt 10 ibs. For $110-130$ volts AC, 60 Hz . Made in Enpland.

21 P 01772 w No Money Down ${ }^{-1}$ Net 34.95
ACCESSORIES FOR MOOEL MC-22L Replacement Diamond LP Needle. Wi.. 3 ot. 24 P 02386
45 RPM Spindle. Wt. 302.
24 P 02568

# united audio Ouad Automatic Stereo Tummatiles 

## TIM Dual 1229 Pofiessional Automatic Stereo Tuntade

 With Chioce of flipitial C Catridige $199^{50} 199^{51}$ less eartridge with choice ofand base Shure M9iE or Pickerine OP Pickering Vis MICRO IV/AME less Dase

For Only 16 mm With Purchase of A Dual 1229
A Dul 1229 -

Oual's finest stereo Auto/Prolessional turntable has a host of features which makes it a prestige addition to the finest home music systems. Professional low-mass lonearm has a twin-ring gimbal suspension with ultra-low friction horizontal and verticai pivots for high traching accuracy with all of today's low tracking force cartridges. Full $12^{\prime \prime}$ diameter turntable with 7 It , dynamicaity balanced cast platter, Easy-to-read Illuminated stroboscope. Pitch control provides for $6 \%$ variation In speed adjustment. Powerful \$ynchronous/hi-lorque motor combines high starting porque with
absolute speed constancy. Anti-shating force control is separately
calibrated for both conical and elliptical stylt. Other features include: 3 Speeds: $331 / 2,45$, and 78 RPM; adjustable siylus overhang: direct-dial stylus force; multi-play spinde which holds up to 6 records; and rotating single-play spindle. Size: $141 / 4 \mathrm{w}$ x $12^{\prime \prime} \mathrm{D}, 5^{\prime \prime}$ above and $3^{\prime \prime}$ clearance below mounting baard. For $110 / 120$ VAC. 60 Mz . Imported. Shpg. wi., 19 lbs.
21 P 88201wx 1229 Only-No Money Down .......Net 199.50 22 P 90518 WXM 1229 olus Pickering V15 MICRO IV /AME Nei 199.51 22 P90500WXM 1229 plus Shure M91E

Pickering V15 MICRD IV/AME 49.95

Shure M91E 49.95

Dual 1218 Automatic Stereo Turntable With Choice of Elliptical Cartridge

$39^{94}$
from
Individual
catalo:
Prices


For Only 1c More
With Purchase of 1218, Your Choice:


Shure M93E 39.95
$155^{0}$
less cartridge and base
155"
with choice of cartridge, less base

Delure 3 -speed automatic stereo furntable with Synchronous $/ \mathrm{hi}$. torque molor. Major leatures include: Twin.ring tone-arm simbal suspension; one piece non-ferrous cast turntable platter; pitch con. trol ( $6 \%$ variation)s cue-control; conical/elliptical anti-shating control; damped click-stop counterbalancei and Mode Selector-provides 15 " veritical tracking in single.play mode and at center of stack in Multiple-play mode, simple, fool-proof setting made within cartridge holder. Multiple-play spindle holds up to 6 records. Other teatures include: Adjustable stylus overhang, direct-dial stylus force, 3 speeds: $33 \%, 45$ and 78 RPM, Dimensions $13^{\prime \prime} \times 10^{\circ}-6^{\prime \prime}$ above and $3^{\text {c }}$ clearance betow mounting board. Imported. For $110 / 120$ VAC, 60 Mz . Shpg. Wl., 15 lbs.
 22 P 90492 WXM 1218 plus Pickering V15 MICRO IV/AFI Net 155.01 21 P 90643 WXM 1218 Plus Shure M93E ..............Net 155.01

10950
less cartridge and base

with choice of eartridge, less base


Quallity 3-speed (331h, 45, and 78 RPM) stereo turntable that fea. tures a low-mass fubular tonearm that tracks as low as one fram! Anti-skating with separate calibrated scales for both conical and elliptical styli are prowided. Pitch control allows up to a $6 \%$ varia. tion in speed adjustment, Damped cue-control provides uttra-slow descent in automatic and manual modes. Other features includes direct-dial styhus force; Multiple.play spindle which holds up io 6 records; $33 / 4 \mathrm{lb}$. Iaminafed olatter. Size: $13 \mathrm{~W} z 11 / / \sim D_{.} 5{ }^{-1}$ above and 25" clearance below mounting board. For $110 / 120$ VAC, 60 Hz . Imporfed. Shag, wt., 13 los.
21 P68219w 1215 S Only-No Money Down* ........Net 109.50 22 P $90484 W M 1215 S$ plus Pickering V15 MICRO IV/ATE Net 104.51 22 P 90476 WM 1215 S plus Shure M93E ..................Net 109.51

| ACCESSORIES FOR DUAL TURNTABLES |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stoch No. | $\begin{gathered} \mathrm{Mis} . \\ \mathrm{Ho} \end{gathered}$ | Description | For | shes. m. | Mat |
| 21 P 65.35 w | W812 | Walnut Base | 1215S. 1218 | 4 lbs. | 10.59 |
| 21 P66007w | W819 | Walnut Base | 1229 | 4 lbs | 14.95 |
| 21 P 68227W | DC4 | Dust Cover | WB12 Base | 2 lbs. | 12.95 |
| 21 P66015W | DC9 | Dust Cover | WB19 Base | 2 ths. | 14.55 |
| 21 - 8585 | CH12 | Cart. Molder | $\begin{aligned} & 1215 \mathrm{~S}, 1218, \\ & 1229 \end{aligned}$ | 302. | 3.95 |
| 21-98110 | CH22 | $15^{\circ}$ Cart. Holder | 1218 | 302. | 8.95 |
| 21 ¢5850 | AS12 | 45 Spindle | $\begin{aligned} & 1215 \mathrm{~S}, 1218, \\ & 1229 \end{aligned}$ | 4 oz. | 5.95 |

# AR Universal 2-Speed Manual Stereo Turntable 

## $87^{m i 102^{10}}$ <br> less eartridge <br> with Pickering 15 MICRO IV/ATE <br> V15 MICRO IV/ATE Elliptical Cartidge

## SAVE $24^{35}$

From Individual Catalog Prices When You Purchase The Universal AR Turntable with The Pickering V15 MICRO iv/ATE Elliptical Cartridge

- 2 Speeds: $331 / 3$ and 45 RPM
- For $110 / 220 \mathrm{~V}, 50-60 \mathrm{~Hz}$
- Comes Complete With Tonearm Premounted On A Walnut Wood Base With Plastic Dust Cover


## Pickering V15 <br> micro iv/ate <br> 39.35

Universal manual turntable featuring a rugged 3.3 lb . balanced aluminum platter belt driven from synchronous motors operating at $331 / 3$ and 45 rpm . Turntable and arm are shockmounted from the top plate eliminating vibration. Meets NAB specifications for broadcast equipment on wow, flutter and speed accuracy. Includes cables, overhang adjustment device and needle force gauge. Size with cover- $123 / 4 \times 163 / 4 \times 51 / 4$ ".

Can be operated anywhere in the world. For $110 / 220$ VAC, $50 / 60 \mathrm{~Hz}$. Shpg. wt., 18 lbs.
21 P 72617 W Model XA/U less cartridge .. Net 81.00
XA/U Turntable and Pickering V15 MICRO IV/ATE Ellip. Cart.
22 P 90468 M Shpg. wt., $181 / 2$ lbs.
Net 102.00
21 P 72575 Extra Cartridge Shell. Wt., 3 02.... Net 2.00

## COLUMBIA SQ 4-Channel Stereo LP Records

## Only <br>  01 Each



Shpe. wt., 12 oz. ea.

28 P 67000 JOMNNY CASH at San Quentin
28 P 67018 SANTANA/Abraxas
26 P 67026 FUNNY GIRL/Original Sound Track
28 P 67034 RAY CONNIFF/Love Story
26 P 67042 RAY STEVENS Greatest Mits
28 P 67059 KRIS KRISTOFFERSON/Silver Tongued Devil And I
28 P 67067 ANDY WILLIAMS/Love Story
20 P 67075 JANIS JOPLIN/Pearl
28 P 67083 RAIDERS/Indian Reservation
26 P 67091 LYNN ANDERSON/Rose Garden
26 P 67109 RAY PRICE/For The Good Times
28 P 67117 PERCY FAITM/Romeo and Juliet
28 P 67125 IIM NABORS/Help Me Make It Through the Night
20 P 67133 BARBRA STREISAND/Stoney End
28 P 67141 WALTER GARLOS/Switched-On Bach

> EXCLUSIVE! LAFAYETTE 33½ SQ 4.CHANNEL LP RECORD Made for LAFAYETTE by Columbia Special Products

Columbia, the company that developed the LP record, now brings yout the first 4 -Channe! Stereo Record (SQ). The SQ 4. Channel Record ( $331 / 3$ ) with separate signals in each of 4 channels provides a startling listening experience-actually puts the listener in the room where the performance took place. For this dazzling effect, the SQ record must be played on equipment incorporating SQ circuitry. The SQ record is also truly compatible, and will plaj fike a regular 2 -channel stereo record on any system equipped for standard 2 -channel stereo.
28 P67166 SIMON AND GARFUNKEL/Bridge Over Troubled Water
28 P67174 BLOOD. SWEAT AND TEARS II
28 P 67182 SABOTNIK/TOUCh
28 P 67190 NO, NO NANETTE/Original Cast
28 P 67206 LEONARD BERNSTEIN/AISO Sprach Zarathustra 28 P 67216 POCO/Deliverin
28 P 67224 BOB DVLAN/Nashville Skyline
28 P 67232 TAMMY WYNETTE/We Sure Can Love Each Other 28 P 67240 SLY AND THE FAMILY STONE/Greatest Hits
28 P 67257 AL KOOPER/MIKE BLOOMFIELD/STEVE STILLS/ Supersession
28 P 67265 LEONARD BERNSTEIN/verdi Requiem
28 P 67273 TEN YEARS AFTER/A Space In Time
28 P 67291 JOHNNY MATHIS/Vou've Gct a Friend
28 P 67299 CMASE/Chase
28 P 67356 LEONARD BERNSTEIN/Swan Lake Balle
28 P 67331 BOULEZ CONDUCTS STRAVINSKY
28 P 67349 PETER MATZ/Quadraphonic Spectacular
The Lafayette 4.Channel SQ Record features some of today's greatest musical recording stars: BARBRA STREISANO; SANTANA; PERCY FAITH; JOHNNY MATHIS; RAY CONNIFF; LYNN ANDERSON; JANIS JOPLIN; RAY PRICE; and selections from the Original Cast Broadway Shows NO, NO, NANETTE and COMPANY. Shpg. wt., 1 lb .
28 P 01447
Net 5.89

# Pickering, Shure, Stanton Magnetic Stereo Catridgges 



## Pickering Cartridges from $17^{95}$ to $65^{00}$

## PICKERING MAGNETIC STERED CARTRIOGES

OELUXE XV. 15 ELIIPTICAL SERIES—Pickering's Premiere Cartridges. Includes "Dustamatic Brush" which automaficsily cleans the grooves In advance of the stylus. Specifications: Channel Separation: 35 db : Normal Output: XV-13/750E-4.4 mv; XV- $400 \mathrm{E}-5.5 \mathrm{mv}$ XV-15/200E. XV. $15 / 140 \mathrm{E}-\mathrm{mv}$. Frequency Response: $10-25.000 \mathrm{~Hz}$, except XV. 15/140E 10-20,000 Hz. Stylus type: XV-15/750E-.0003 E.0007" elliptical; XV-15/400E, XV-15/200E-. $0004 \times .0007^{\circ}$ elliplical; XV-15/140E-.0005 K.0007 ellptical Tracking force: XV-15/750E1/2 to 1 gram; XV-13/400E- Th to $i 1 / 2 \mathrm{grams}_{8} \mathrm{XV}-15 / 200 \mathrm{E}-1$ to 3 grams; XV-15/140E-2 to 4 Erams. Wt., 8 oz. each. No Money Down

| Stoch No. | Model | For | Mat |
| :---: | :---: | :--- | ---: | ---: |
| $21 P 53864 L$ | $X V-15 / 750 E$ | Manual Turniables | 65.00 |
| $21 P 53757 L$ | $X V-15 / 400 E$ | Manual Turntables | 54.95 |
| $21 P 53781 L$ | $X V-15 / 200 E$ | Automatic Turntables | 49.85 |
| $21 P 55232 L$ | $X V-15 / 140 E$ | Automatic Turntables | 34.95 |

WEW V. 15 MINCRO SERIES. Incorporates all of the fine characteristics of the XV-15 series. Narrow and low profile design for simplified mounting. "Dustamatic" brush assembly eutomatically cleans records as you play them. The brush is ninged independent of the stylus and never interferes with the tracking force. Shpg. wt., 5 oz . each.
V. 15 MICRO IV/AME. For manual turntables and light tracking automatics. $0004 \mathrm{x} .0007^{\circ}$ elliptical stylus, Tracking force $11 / 2, \pm 1 / 2$ gram; Output 5.5 mv; Response, 20 to $20,000 \mathrm{~Hz}$.
21 P's5224L. No Money Down*
Nel 49.95
V. 15 MICRO IV/ATE. For automatic tuntables. Traching force 3, $\pm 1$ ${ }^{\text {gramm }} .0004 \times .0007^{\circ}$ elliptical stylus; Output 6.5 mv ; Response, 20 . $18,000 \mathrm{~Hz}$.
21 P 55174 L . No Money Down*
.Net 39.95
V-15 MICRO IV/ACE. For record changers. Tracking force $4, \pm 1$ gram. $.000 \mathrm{~N}^{\mathrm{x}} .0007^{\mathrm{M}}$ elifiptical stylus; Output $8.0 \mathrm{mv}_{\text {; }}$ Response, 20 to $17,000 \mathrm{~Hz}$.
21P55182L
Net 29.95
V. 15 micho IV/am. For manual turntables, $.0007^{\circ}$ spherical stylus. Tracking force $2, \pm 1$ grami Output 6.0 mv ; Response, 20.20 .000 Hz . 21 P 53190 L No Money Down* ................................Net 34.95
v-15 micho IV/AT. For automatic turntables. .0007" spherical stylus. Traching force $3, \pm 1$ gram.
21 P5s208L
Net 29.95
V. 15 MICRO IV/AC. For record changers. . $0007^{\circ}$ spherical stylus. Traching force $4, \pm 2$ grams.
21 P 552161.
Net 24.95
P.SERIES STEREO CARTRIDGES - Frequency response: 20 to $\mathbf{1 5 , 0 0 0}$ Hz . Nominal output: P/ATE-1, $8 \mathrm{mv}$. : P/AT-1. 8.5 mv ; $\mathrm{P} / \mathrm{AC}-1.9 \mathrm{mv}$. Channel separation: $20-25 \mathrm{d0}$. Traching force: P/ATE-1, P/AT-1, 2 to 5 grams; P/AC-1, 3 to 7 grams. P/AC. $1, P / A T-1$ with .7 mll conical diamond stylus: 'P/ATE-1 with .0005 a .0008 elliplical stylus Shre. wt., 4 oz.
21 P 53820 L P/ATE. 1 Elliptical
Net 24.95
21 P 53567 L P/AT-1 Conical
Net 19.95
21 P $53575 L$ P/AC. 1 Conica
Net 17.95

## STANTON MAGNETIC SIEREO CARTRIDEE

MODEL Salef (Not Illustrated)-Designed for low-distortion tracking with minimum stylus force. High compliance, low mass. and low pressure essure perfect sofety of all records. Response: 10-20,000 Hz . Separation: 35 db , nominal. Output: $0.7 \mathrm{mV} / \mathrm{cm} / \mathrm{sec}_{\mathrm{a}}$ nominal. Tracking Force: $\exists_{4}-114 / 2$ grams. Diamond elliptical stylus, and stylus Tracking Force:
brush. Shpg, $w L_{4} / 6 \mathrm{ot}$.
21 P 2400\& No Money Down*
Net 72.00


# Shure Cartridges <br> from $12^{95}$ to $67^{50}$ 

## SHURE MAGNETIC STEREO CARTRIOGES

V-15 TYPE II SUPER-TRACK STEREO OYMETIC ELLIPTICAL CARTRIOCE Shure's premiere cartridge featuring increased trackability in the low and mid-frequency ranges. Recreates music with transcendent purity. Retractable elliptical $.0007 \mathrm{z} .0002^{\circ}$ diamond stylus. Specifications: Frequency Response: $20.25,000 \mathrm{~Hz}$. Channel Separation: Nominally 25 dh at $1,000 \mathrm{Mz}$. Output Voltage: 3.5 mV . Traching Force: $1_{4}$ to $11 / 2$ grams. Shpg. Wt. 8 or.
21 P82386L. No Money Bown:
.Net 67.50
NEW M91EO OELUXE MI-TRACK STEREO OYMETIC ELIPTICAL CAR. TRIOGE. Optimized design parameters in the stylus assembly give this cartridge superb Migh frequency trackability. Retractable ellipil. cal , 0007 a $.0002^{\prime \prime}$ nude diamond stylus. Specifications: Frequency Response, $20 \cdot 20,000 \mathrm{~Hz}$. Channel Separation: Nominally 25 do at 1.000 Hz . Output Voltage: 5.0 mV . Traching Force: $1 / 4$ to $11 / 2$ grams. Shpg. Wt.. 8 ol.
21 62592L No Money Down*
Net 54.95
THE CUSTIOM HI-TBACK SERIES OF STEREO OYMETIC CARTRIDCES. For use in automatic and manual turntables. Specificatlons: Fre. quency Response: $20-20,000 \mathrm{~Hz}_{2}$. Channel Separations Nominally 25 do at $1,000 \mathrm{~Hz}$. Output Voltagei 5.0 mV . Shpe. wt., 3 oz .
Aodel MgIE- $-0007 \times .0002^{\circ}$ elliptical stylus. Tracking Force: $1 / 4$ to $11 / 2$ grams. 21 P62444L, No Money Down $\qquad$ .Net 49.95

Modal M75EJ Type 2- $-0007 \times .0004^{*}$ elliplical stylus. Tracking Forces $11 / 2$ to 3 grams. 21 P 62600 L No Money Down * ........................................... 44.95

Model M758 Type 2-. $0006^{\circ}$ spherical stylus. Traching Force: $21 / 2$ to 3 grams.
21 P 62618L. No Money Down*
.Net 33.45
EMTRA OURABILITY MI-TRACR CAMTRIOGES. Designed to give heavyduty performance at moderate prices in all modern turntables and tone arms. Features "snap-in" design for fast, effortless installation. Specifications: Frequency Response: $20-20,000 \mathrm{~Hz}$. Channel Separations Nominally 25 db at $1,000 \mathrm{~Hz}$. Output Voltager M93E and M75-6S. 6.2 mv ; M75.65 9 mv . ShDg. wi., 3 oz.

Model Mg3E—. $0007^{*} \times .0004^{*}$ elliptical stylus. Traching Force: $11 / 2$ to 3 grams
21 P62436L. No Money Down*
Net 39.95
Model M15-65-.0006" spherical stylus. Traching Force: $1 / 2$ to 3 grams.
21 P62826L. $\qquad$ Net 27.50
Model M73Cs- $0006^{*}$ spherical stylus. Traching Force: 3 to 5 grams. 21 P 62634 L

Net 24.50
MODEL MSSE ELLIPTICAL STEREO CARI既IDE. Ellipilal .0007 x $.0002^{\prime \prime}$ diamond stylus. Tracking Force is t/a to 2 grams. Separation: 25 db . Output Voltage: 9.3 mv . Shpg. wt., 3 oz.
21 P62410L
Net 29.95
MOOEC M44E ELLIPTICAL SIEREO CARTRIDEE. Elliptical stylus f.0004 \%.0007") designed for automatic turntables. Tracks from $13 / 4$ to 4 grams. Frequency Response: $20-20,000 \mathrm{Mz}$. Channel Separation: 25 do. Output Voltagei 9.3 mv . 5 hpg , wt., 3 oz .
21 P 62360 L
.Net 24.85
MDOLL M $7 /$ N210 STEREO CABTBIDGE. Frequency Response: 20-20.000 Hz. Channel Separation: More than 20 do t $1,000 \mathrm{~Hz}$. Output Voltige: 4 my per chennel at 1.000 Mz . Traching Force; 2 to 5 grams. Tracks perfectly in all record changer arms with .7 mil conical diamond stylus. Shpg. wt., 3 oz.
21 P 62083 L .
Net 12.95

- See Page 23 for Full Details on Easy Pay Plan


# Tone Arms, Cartridges, Replacement Diamond Styli 

## EMPIRE Magnetic Stereo Cartridges

ADC and GRADO Stereo Cartridges

## from $19^{95}$




10002E Elliptical Cartrioge-Tracks at 0.2 grams in laboratory playo back arms. Response 20.20 .000 Hz , separation 35 db at $1 \mathrm{kMz}, 25 \mathrm{db}$ or better to 20 kMz . Hand polished 2 x .7 mil diamond stylus.
21 P 35150 L Shpg. wt., 6 oz. No Money Down*....Net 99.95 999 Enliptical Series-All styll are hand pollshed bi-radial. $15^{\circ}$ vertical tracking angle. Easily replaceable stylus assembly. Specifications: Output 999E/X and 999SE/X, 8mv; 999TE/X, 6mv; Channel separation 35db; Frequency Response: $999 \mathrm{E} / \mathrm{X} \quad 10-30,000 \mathrm{Mz}$; 999SE/X 8.32,000 Hz ; $999 \mathrm{TE} / \mathrm{K} 6.36,000 \mathrm{Kz}$. Tracking Force: $999 \mathrm{E} / \mathrm{X}-7$ to 2 grams, $999 \mathrm{SE} / \mathrm{X}$ and $999 \mathrm{TE} / \mathrm{X}$ i/2 to 1 t/2 erams. Shpg. wt., 602.
21 P 34930 L
21 P 34922 L
999E X
999SE/K
Elliptical
39.95
21 P 34914L 999 EtE $/ X \quad 69.95$

90EE/X Elliptical Cartridge- $15^{\circ}$ vertical traching angle. Fully compatible for stereo or mono. Freq. Response $15 \cdot 25,000 \mathrm{~Hz}$, Output 8.0 mv , Channel Separation 30 db . Fracking Force: $11 / 2$ to 4 grams. Shpg. wt. 2 or
21 P 34955 L .
Net 24.05
roocx Ellidtical Cartridet- $\quad 15^{\circ}$ vertical tracking angle. Induced theld moving magnetic armature. Fully compatible tor stereo or mono. Freq. Response $\mathbf{1 2 - 2 5 , 0 0 0 ~} \mathrm{Hz}_{2}$, Channel Separation 30 db , Out. put 8.0 mv Iracking torce: 1 to 4 grams. Shpg. wt, 202.
21 P 34948 L
Net 29.95
66 Series Cartrides-Induced moving magnetic armature. Light flexible stylus assembly.
Medel $66 / \mathrm{x}-7 \mathrm{mil}$ spherical stylus. Traching force $1 / 2$ to 3 grams. Response: $10-18.000 \mathrm{~Hz} \pm 3 \mathrm{0b}$. 21 P 351762

Net 19.95 2 IP $15176 \mathrm{~L}, \ldots . .7 \mathrm{mil}$ elliptical stylus. Traching force $14 / 2$ to 3 crams, Response: $10-20,000 \mathrm{~Hz} \pm 3 \mathrm{db}$. 21 P 35184L

Net 29.95 Model c6/PEX-2n.7 mil elliptical stylus. Tracting force $11 / 2$ to 3 grams. Response: $10-20,000 \mathrm{~Hz} \pm 3 \mathrm{db}$.
21 P 35192 L

AOC 220xE Elliptical stereo Cartridge, Separation: 20 db . Response $10.18 .000 \mathrm{~Hz} \pm 3 \mathrm{db}$. Tracking force, $11 / 2$ to 4 grams. Oulput: 5 mV . Shpg. wi., 6 oz.
21 P $13306 L$
..Net 22.00
21 P
ADC XIM EHiptical Stereo Cartrisge. Separation: 30 db . Response: $10-25,000 \mathrm{Mz}$. Tracthing force; 6 grams. Output 4 mV .
21 P 13389L No Money Down*............................Net 40.00
ADC VIM EIIDptical stereo Cartridge. Separation: 30 db . Response: $10-22,000 \mathrm{~Hz}$. Traching force: 1 gram . Output 4 mV . 21 P i3371L No Money Down*

Net 22.00
GRAOO F SERIES STEREO CARTRIOCES. Frequency Response: 10 to 35.000 Hz . Channel separation: 25 db . Output: 4 my @ 3.54 CMV . Recommended Tracting Force: $11 / 2$ to $31 / 2$ grams. Shpg, wt., 407. $\begin{array}{lllr}21 \text { P41356L } & \text { FTR } & .6 \text { Spherical } & 9.95 \\ 21 \text { P41364L } & \text { FTE } & .7 \times .3 \text { Elliptical } & 19.95\end{array}$

## SHURE M232 Stereo Tone Arm <br> $32^{75}$ No Money Down*

Quality $12^{\prime \prime}$ tone arm that ACCEPTS MOST CARTRIDGES and permits them to operate at thelr maximum potential performance. Features precision ball bearings at all pivot joints. plug in head with positive allgnment lock and variable heirht adiustment. Positive visual con. trol over balance without altering overall arm length. Tracking force 112 to 6 grams. Comes with arm rest, template, mounting hardware. 21 P 625194 Shpa. wt., 2 Va los.
MODEL M236 Same as M232, but for $16^{\circ}$ Records in broadcast use. 21 P 62527 L Shpg. wt., $21 / 4$ lbs.
Shure $2 \mathbf{2 3 H}$ Extra Plug in Head. Shpg. wt.. 5 oz .
21 P62535L $\qquad$ .Net 3.00

Pickering, Shure, Empire, Lafayette, ADC, Grado, Stanton

| Stech Ms. | Mfr. | Type | Styles | Fer | Not |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 21 P01723L | 18. | D44 | Ellip. | Phase 44 | 14.95 |
| 21 P 53450 L | Plick. | D1500AME. 2 | Ellip. | V15/AME-1.2 | 20.05 |
| 21 P 53468 L | Pick | D1507AM-2 | . 7 MII | V15/AM-1.2 | 12.95 |
| 21 P 53476 L | Pick. | Di507AT-2 | . 7 MH | V15/AT-1.2 | 11.50 |
| 21 P 53484L | Pick. | D1507AC-2 | 7 MH | V15/AC-1,2 | 10.50 |
| 21 P 53500L | Pich. | D1527 | 2.7 MII | V15 Series | 12.95 |
| 21P53591L | Pick. | P/007-T | 7 mH | P/AT-1 | 10.50 |
| 21 P 53609L | Pick. | P/D07.C | 7 MH | P/AC-1 | 9.90 |
| 21 P 538981 | Pick. | PDE | Ellip. | P/ate-1 | 5.95 |
| 21 P 530211. | Pict. | D38074t | 7 Mll | U38AT | 5 |
| 21 P 53062 L | Pich. | D3807C | 7 MHI | 380 C | 5 |
| 21 P $53112 L$ | Pick. | 09007 | 7 Mil | Mark/ll | 12.95 |
| 21 P 536331 | Pict. | D1500ATE-2 | Etlip. | V15/ATE-2 | 5 |
| 21 P53641L | Pich. | D1500AME-3 | Ellip. | V15/AME.3 | 5 |
| 21 P 536581 | Pick. | D1500ATE3 | ${ }_{7} \mathrm{llip}$ | V15/ATE- | 23.65 <br> 4.50 |
| 21 P $53674 L$ | Pick. | D1507AT-3 | 7 Mil | V15/AT.3 | 14.50 31.50 |
| 21 P53872L | Pick. | 0750 | Eltip. | XV-15/750E | 31.50 |
| 21 P53815 | Piek. | 0400 | Ellio. | XV-15/400E $X Y .15 / 200 E$ | 26.50 |
| 21 P 53823L | Pick. | 0200 | Ellip. | XV-15/200E $X Y-15 / 140 E$ | 26.25 23.95 |
| 21 P 55240 L | Pick. | 0140 | Ellip. | $X Y-15 / 140 E$ $X Y-15 / 100$ | 23.95 14.70 |
| 21 P53807L | Pict. | 0100 | ${ }_{7}$ Ellip | XV-15/100 Vi5AC. | 14.70 |
| $21 P 531416$ | Picts. | D1507AC-3 | . 7 Mll | VISAC-3 VISACE-3 | 12.50 21.50 |
| 21 P $53849 L$ | Pick. | DISOOACE-3 | Ellip. | VISACE-3 | 21.50 |
| 21 P 53914L | Pick. | Div-AM | Ellip. | Phase IV/AME, Micro IV/AME | $28.50$ |
| 21P53948L | Pictr. | DIV-ATE | Ellip. | Phase IV/ATE. Micro IV/ATE | 23.65 |
| 21P53955L | Plck. | DIV-ACE | Ellip. | Phase IV/ACE. Micro IV/ACE | 20.50 |
| 21 P 55257 L | Pict. | DIV-AM | 7 MlI | Micro IV/AM | 23.45 |
| 21 P 55265L | Pich. | DIV-AT | 7 MH | Micro IV/AT | 14.50 |
| 21 P 552731 | Pict. | DIV-AC | 7 Mil | Micro IV/AC | 13.50 |
| 21 P 34047 L | Empirs | S880P-6RD | . 6 Mil | 880P | 12.95 |
| 21 P 34401 L | Empire | SB8BPE.ERD | EIMp. | 888PE | 20.95 |
| 21 P 344196 | Emplre | S888P-6RD | . $6 \mathrm{Ml\mid}$ | 888 P | 14.95 |
| 21 P 349636 | Empire | S999SE/K-ERD | Eilip. | 999SE/X | 24.95 |
| 21 P 34484 L | Empire | S909E/K-ERD | Ellip. | 909E/X | 14.95 |


| Steck Ne. | M ${ }^{\text {res. }}$ | Type | Styius | For | Not |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 21 P 34476 L | Empire | S90E/X.ERD | Ellip. | 90EE/X | $13.95$ |
| 21 P 34450 L | Empire | S888-7RD - | 7 Mll |  |  |
| 21 P $34617 L$ | Empire | \$888E-ERD | Ellip. | 888 C | 16.95 22.95 |
| 21 P 346251 | Empire | S888SE•ERD | Ellip. | 888SE | 22.95 |
| 21 P 34724 L | Empire | S999VE-ERD | Ellip. | 999VE | 36.95 24.95 |
| 21 P 34732 L | Empire | SB88TE.ERD | Ellp. | 888tI | 24.95 29.95 |
| 21 P 34123L | Empire | S888VE.ERD | Ellip. | 888VE | 29.95 |
| 21 P 35226 L | Empire | S66/X-7RD | . 7 Mil | 668 $668 / X$ | 7.95 9.95 |
| 21 P 352001 | Empire | S66E/X.ERD | Ellip. | 66E/X | 12.95 |
| 21 P 35218 L | Empire | S66PE/X-ERD | Elip. | G9PED | 12.95 26.00 |
| 21 P62642L | Shure | N91ED | Elip. | M916EJType 2 | 22.50 |
| 21 P62659L | Shure | N75EJ-T2 | ${ }_{6} 6 \mathrm{mil}$ | M758/Type 2 | 16.75 |
| 21 P62675L | Shure | N758.72 | . 6 mil | M75-6s ${ }^{\text {a }}$ | 11.35 |
| 21 P 826674 | Shure | N75-6 | 6 mmil | M75-cs | 10.00 |
| 21 P62643 | Shure | N75C | 6 mH | M35-CS | 10.95 |
| 21 P62022L | Shure | 310 | .7 Mli | M30, M70 | 7.95 11.00 |
| 21 P62071L | Shure | ${ }_{\text {N210 }}$ | . 5 M MII | M7D, M3D | 11.00 |
| 21 P62170L | Shure | N44.5 N44.7 | . 5 Mmil | M44.7 | 9.75 |
| $21 P 62188 L$ | Shure | N44.7 | Ellip. | V15, V15/II | 27.00 |
| 21 P62543L | Shure | VNISE | Ellip. | M80, M5 ${ }^{\text {l }}$ | 14.95 |
| $\begin{aligned} & 21 \text { P } 62246 L \\ & 21 \text { P } 62253 L \end{aligned}$ | Shure | N99 | . 7 Mil | M99 | 15.00 |
| 21 P62378L | Shure | N44E | Ethip. | MSAE | 12.50 |
| 21 P62402L | Shure | N32E | Ellip. | M32E |  |
| 21 P 62477L | Shure | N91E | Ellip. | M91E | 24.50 |
| 21 P 62469 L | Shure | N93E | Ellip. | M93 | 19.50 |
| 21 P13157L | AOC | R-6E | Ellip. | 6601 E | 15.00 |
| 21 P $13207 L$ | ADC | R-12E | Ellip. | 10E/II, 10/E | 2.50 |
| 21 P134056 | ADC | RVL | Etlip. | VLM | 12.00 |
| 21 P 13280 L | ADC | R-9E | Ellip. | 220E. 990 E | 12.00 |
| 21 P $13330 L$ | ADC | R20X/E | Elip. | 220x/E | 10.00 |
| 21P $13397 L$ | ADC | RXL | cllip. | K1M | 20.00 |
| 21 P 18048 L | GE | DR.70 | . 7 Mil | V1000.7 | 8.40 5.00 |
| 21 P $36063 L$ | GE | VR222 | . 7 MH | VR. 22 | 5.00 |
| 21 P41372L | Grado | FTP/S | . 6 MHI | Sphericat | 7.50 |
| 21 P 41380 L | Grado | FTEIS | 7x.3 MII | Etlip. | 12.50 |
| 21 P 24014 L | Stanton | D6800EE | Ellip. | $681 E 5$ | 36.00 |

# Reverb, Phono Preamps, Amplifiers, \& Accessories lafayette solio.state stereo PHONO PREAMP <br> - Ideal For Use With Amplifiers That Do Not Have Low Level Inputs For Magnetic Cartridges <br> - 4 Silicon Transistor Circuitry <br> NEW! STEREO SIGNAL TEST GENERATOR <br>  $14^{95}$ <br> Generates a low distortion steady tore in two 

- Compact Size Permits Concealed 065

A self-powered compact solid-state stereo phono preamplifier especially designed for use with Hi-fi stereo amplifiers not having magnetic cartridge inputs. The exceptional feature of this preamplifier is that its compact size permits mounting quickly and simply to the sides or back of the record changer/player base, without marring the appearance of your matched Nl -Fi system. Frequency response: $30.30,000 \mathrm{~Hz}$. RIAA Playback Curve. Gain: 6 mv . Input for 0.5 volt output. Input impedance: 50,000 onms. $\mathrm{S} / \mathrm{N}$ ratio over 60 db . Input: 2 RCA type phono jacks. Output: 2 RCA type phono jacks. Power Supply: 117 vac $50 / 60 \mathrm{~Hz}$. Power consumption: 1 watt. Size: $4 \times 242 \mathrm{y}$ $12^{\circ}{ }^{\circ}$ Imported. Shpg. wt., 1 lb . 99 P 02198

Net 9.65

## 4 TUBE AC/DC STEREO PHONO AMPLIFIER <br> 795 <br> Ress Tubes)



- 2 Output Transformers
- 2 Separate Tone Controls

Powerful yet compact stereo amplifier produces up to 2 watts per channel. Uses 4 tubes: 2 12Av6, 2 s0c5. Selenium rectifier power supply. Output impedance: $\mathbf{3}$ ohms. Separate volume controls for each channel. Size: 6 Kox2K. $\mathrm{K}^{\prime \prime}$. Less tubes. Imported. Wi., 1 1/2 ibs .
99 P 01547 Kit 4 Net 7.95
36 P 90021 M Kit of 4 tubes. Shpg. Wt., 1202.
Net 5.24

## RADIO BROADCASTER/ PHONO OSCILLATOR

Have fun making announcements and broadcasting music through your own radio-with this broadcaster. Simply connect high imped. ance microphone of phone pickup to broadcaster and tune in broadcaster on radio. No wiring between the broadcaster and gadio set. Pretuned to 1600 on radio dial but easily retuned. With 12 RE 6 and 35 w 4 tubes, phono jech, 2 feet of antenna, schematic and line cord. Completely wired. Chassis size: $4 \times 2^{\circ}$. For $110-125 v$ ac-DC operation. Imported.
99 P 01778 Shpr, wt., 1 /4 Ibs.
Net 7.75
ranges, Hi Output for tape inputs, dux., and line; and Lo Output for Mic. and plono in puts. Use for balancing, aligning, and trou bleshooting stereo systems. Operates on 9 Voll battery (Not Included). Shpr. wt., 1 lb . 24 P 80937

Nel 14.95
99 P 602129 V Battery (1 Req.)
Net 31

## 4-SPEED PHONO MOTOR

Qulet dependable AC operation assured by shock-mounted friction drive motor. Speed change control through ideler driving rim of $8^{\prime \prime}$ turntable having refractable 45 RPM center adapter. Re. quires $21 / 2^{\prime \prime}$ below base plate. Shpg. wi., 2 bbs. Motor and turntable. 24 P 03457

Net 5.95
Mounting boards. wit, 2 lbs. 24 P 35006 Net 1.50

## STEREO/MONAURAL PICKUP



High output crystal turnover cartridge for either steseo or momaural operatlon. Synthetic sapphire needles $(.7 \mathrm{mil}$ and 3 mil$)$ for $L^{\circ}$ and standard 78 APM use. Replacement for most manual players. Mounts in $7 / 16^{\circ}$ dia. circular hole. Imported.
99 P 10241 Shpg. wtoe 5 oz.

## AUTOMATIC HI.FI SHUTOFF

## $5^{25}$



Shuts off M1-fi equipment at the end of the last record. A 3-position switch allows the use of this one unit for all record changers, domestic and imported. This switch also permits manual operation if the automatic shut-off feature is not desired. Housed in a rugzed drawn-steel case with mounting ears, amplifler outlet, and 6 ff . AC cord. Size: $24 / 441 / 4 \times 174^{\circ}$. Shpg wt., 10 oz .
24 P28019
Net 9.25

## LAFAYETTE CRITERIONR "R-10" SOLID STATE TRINARY REVERB AMPLIFIER/SPEAKER SYSTEM



Handsome Mand Rubbed Oiled Walnut Cabinet

## ACTUALLY 3 QUALITY

## AMPLIFIERS IN 1

1) Use as a Reverb Amplifier and Speaker;
2) Use as a Stereo Center Channel Amplifier and Speaker:
3) Use as a Phono Amplifier and Speaker
Engineered to fill an important void in today's high fidelity markel Enhances your stereo listening by adding a center channel to your amplifier or receiver. Greates concept-hall realism when used as a revert amplifier and speaker in stereo or mono systems. Or you can plus in a record changer with a ceramie cartricre-and you have a complete hi-fi system. Wide-range high compliance speaker delivers rich natural sound. Power output is 1.7 walts gMS. Sensi-tivity-ceramic phono- 100 mv . center channel- 150 my . Inputs-Revert, Center channel, phono (all inputs use RCA jachs and require leads whith RCA plugs). Space-age solid state circultry. Front panel volume control with pu.h type on/off switch. Rear panel AC convenience jach. Size: $113 / 2 \mathrm{Wa} 8 \mathrm{~K} / \mathrm{Ha} 5 \% / \mathrm{a}^{*} \mathrm{~J}$ for 117 VAC 60 Hz . Imported. Shpr. wi., $7 / 2$ los. 99 P 02446 W

# Phono And Hi-Fi Installation Accessories shure styli gauge <br> Dimc 



Model SFG. 2 Stylus Force Gauge. Helps you set your tone arm to a precise tracking force to maintain oplimum trackability and sharply reduce wear on records and stylus tip. Detects excessive or insuf. ficient tracking force. Especially valuable when cartridges are changed. Accuracy to within $1 / 10$ gram in $1 / 2$ to $11 / 2$ gram primary operating range; extended range to 3 grams. Uses friction-free, stainiess steel pivot points and easy-to-read reference bars in a permanently accurate "balance" system-no springs to weaken or wear out. Used with tone arm in actual playing position for greater accuracy. Shpg. wt., 401. 21 P62584

Net 4.95

## LONG LIFE HI-FI BLOWER

- Motor Shunt Varies Both Volume of Air Moved and Noise level A venturi fon for use with hifll. TV. Ham radio and other electronic installathons. to ventilate equipment and cive maximum Iffe and best performance, with shunt delivers 50CFM at low noise level. shunt removal delivers 75 CFM with slight increase in nolse level. Front and back grilles. Permanently fubricated. Rated 115 VaC , 60 Hz . Size: $51 / 2 \times 5 \mathrm{x}^{23 / 4}$. Complete with grill bracket, mounting hardware and instruction sheet. Shpg. wt., 2 lbs.
24 P 39016

- Ideal For Cooling TV And Hi-Fi Equipment
- Super Silent, Compact
- Sturdy Metal

Construction


Exceptionally low-noise fan for cooling hi-fi equipment. Slow rotating 5 -blade Impeller delivers 50 cfm , enough air to exhaust the average enclosure 10 to 30 times per minute, to minimize thermal drift and increase equipment life. Alrflow is reversible. Has heavy non-warp all metal frame and motor mounting acts as an efficient heat sink, adding life to motor and bearing. Pre-lubricated for years of mainte-nance-free operation. Only $41 \mathrm{Kn}^{*}$ square by $11 / \mathbf{z}^{*}$ deep, fits any cabinet. Easy to instali. Comes with complete mounting kit including special heavy duty brackets for mounting versatility, hardware grommets, shock-absorbing spring mounting pad, A.C. power cord and clip on plug, template and instruction sheet. Rated 115 VAC. 60 HZ .
24 P 43018 Shpg. wt., 2 lbs Net 14.85

## BALL BEARING HEAVY DUTY SLIDES

Drawer slides made of 16 gauge
steel. Supports 50 lbs. Ball bearing. double-ertension type, drawer slides. Length $15^{\prime \prime}$. travel length $11^{\prime \prime}$, ex-
 tended $22^{\text {² }}$. Shpg. wt., 2 lbs.
per pair Net 2.19 20 P 52017 SHORT TYPE. Same construction as above but $13^{\circ \prime}$ long; travels $9^{\prime \prime}$; extends to $\mathbf{1 8}^{\circ}$. Shipg. wh., 2 lbs.

## SCREWS <br> $3^{25}$

LEVEL and leveling

- Permits Accurate Turntable Leveling
For stereo and mono HI.Fi systems. Prevents unnecessary needle and record groove wear. precision, circular bubble type level indicator for accurate turntable leveling. Circular 4 -way spirlt level mounts to top deck of turntable. Four adjustable leveling screws and T nuts. Provides quick, easy adjustment. 24 P 80341 Shpg. wt., 4 oz. Net 3.25


## FIBERGLASS INSULATION

As Low
As

- 1 Inch Thick

Excellent sound absorbing material. For Ilning interiors of speaker eabinets, consoles, phonos. TV's etc. Damps medium and high frequency reverberation and distortion. Suitable for many other installation purposes. 9 sq . ft . $\mathrm{I}^{\text {"* }}$ thick with glue and applicator. 20 p 15014 shpe. wt., $1 / 1 \mathrm{lbs}$..... Net 1.75 oELUXE BASS REFLEX KIT: Same as above but contains 20 square ft . $16^{\prime \prime} \times 16^{\prime}$ | $1^{\prime \prime}$ thickness flberglass. Shpg. wt., $21 / 2 \mathrm{lbs}$. 20 P 15022


## Decorative Grille Cloth



Choice selection of latest patterns and beautiful decorator colors. Made of finest quality vinyl plastic, woven with proper mesh for
passage of high frequencie
This two sided $12^{\prime \prime}$ LP record uses easy to make tests to check the performance of stereo and monaúral high lidelity equipment. Simple narrative and complete instructions enable you to chech frequency response, level balance, channel identification and separation, hum, rumble, and other characteristics of your hi-fi system. 24 P 45070 Shpg. wt., 1 tb.

Net 2.95

## Description

Rich Natural Linen Weave
Dark linen, walnut with gold slubs
Random silver metallic
Mahogany waffle weave with ivory threads Solid black waffle with interwoven black luster Belge waffle weave with walnut threads Fine gold mesh
Heavy gold raised metallic on dark ground
Silver os blue metallic walfle
Black ground with metallic gold scroll
Blended walnut diamond
Interwoven natural cane on dark ground
Ralsed walnut waffle cane
30 walnut wicher weave
Dark walnut inter-woven basket weave

For Use with Fig.
Contemporary \& Modern Contemporary \& Modern for amplifiers, and ebony Modern fruitwood for amplifiers and modern Modern-walnut
Maple \& Irultwood \& walnut
Contemporary - walnut
Most popular for amplifters
Modern with walnut or black
Traditional early American-Deluxe canes Modern \& contemporary walnut Modern \& contemporary-for walnut Contemporary, walnut \& truitwood Contemporary, walnut s morn
for contemporary is modern
$36 \pi 36$
Stock No. Net
20 P 125123.50 20 P 125573.50 20 P 124173.50 20 P 120293.95 20 P 125133.95 20 P 123913.95 20 P 121283.95 20 P 126723.95 20 P 126154.75 20 P 126154.75 20 P 121364.75 20 P 124334.75 20 P 121693.95 20P12631 3.95 20 P 124904.75
20 P 126564.75

18×24
Stock No. Net
20 P 125401.95
20 P 125651.95
20 P 124251.95
20 P 120372.10
20 P 125812.10
20 P 124092.10
20 P 122012.10
20 P 126802.10
20 P 126232.50
20 P 122192.50
20 P 12219
20 P 12441
2.50
$\begin{array}{ll}20 \mathrm{P} & 12441 \\ 20 \mathrm{P} & 2.50 \\ 20 & 2.10\end{array}$
20 P 126492.10
20 P $12508 \quad 2.50$
20 P 126642.50

## LAFAYETTE Replacement Styli

MADE FOR LAFAYETTE BY THE FOREMOST AMERICAN MANUFACTURERS


## KEY TO POINT CODES

The symbols in the column headed "PT SI2E" are erplained in the table below.
LP = Monaural 1 MIL DIAMONO MICRDGROOVE FOR 23 \% AND 45 RPM
COMB = MONAURAL DUAL 1 MIL OIAMONO AND 3 MIL SYNTHETIC SAPPHIRE $S$ = STEREO. 7 MIL OLAMONO
SST $=$ STEREO 7 MIL DIAMOND ANO 3 MIL SYN. EXCEPT THOSE NOTED
THETIC SAPPMIRE
SLP = STEREO. 7 MIL OIAMONO ANO 1 MIL STN.
THETIC SAPPMIRE

## ANY STYLI ON THIS PAGE

LAFAYETTE DIAMOND STYLI ARE MADE FROM WHOLE DIAMONDS, PRECISION GROUND AND POLISHED. SAPPHIRE STYLI ARE FINEST SYNTHETIC.

## HOW TO ORDER

Identily your needie by cartridge number and lllus. tration on this and the facing page. Order by the

| Stock <br> No.Size <br> Pl. Fig Cartridge |
| :---: | :---: | :---: | :---: |
| FOR ACOS CARTRIOGES |
| 24 P 01602 SST $1 \quad 73.1$ |


|  | 50 | ADM |  | Cartridges |
| :---: | :---: | :---: | :---: | :---: |
| 24 | P 01156 | LP | 2 | $\text { 409 } 111,-811,-B 12,$ |
| 24 | P 01180 | Comb. | 3 | 409820 |
| 24 | P 01206 | LP | 4 | 409a30 |
| 24 | P01529 | S | 5 | 409833.1 (2-1) |
|  | P 01537 | 5 | 6 | 409C37.1 |


| Stock | Size |
| :--- | :--- | :--- | :--- |
| No. Fig. Cartridge |  |


|  | Stock No. | $\begin{aligned} & \text { Size } \\ & \text { Pf. } \end{aligned}$ | Fig. | Cartridge |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 24 \text { P } 01529 \mathrm{~S} \\ & 24 \text { P } 01537 \\ & 24 \mathrm{~S} 01586 \\ & \hline \end{aligned}$ |  |  | 5 | 35-2809, 24, 25 |
|  |  |  | 6 | 35-2820, 26 |
|  |  |  | 12 | 35.2827, 29 |
| FOR PMILIIPS CARTRIDGES |  |  |  |  |
|  | 4 P 01909 | \$ST | 52 | AG3306, 3310 |
|  | FOR RCA |  |  | atridges |
|  | 4 P 01156 | LP | 2 | \$5652, 76257 |
|  | 4 P 01214 | 4 P | 7 | 76257, 988370-2 |
|  | P P 01222 | IP | - | 74067 |
|  | P P 01248 | Comb. | 9 | 100329 |
|  | P 01347 | tP | 31 | 74466 |
|  | P 01461 | Comb. | 45 | 76748, 100653 |
|  | 4 P 01537 | \$ | 6 | R4P100, T, T-1 |
|  | - 01578 | \$ 51 | 53 | 106770, 1, 1069604 |
|  | 4 P 01768 | S51 | 54 | 110021 |
|  | P 02394 | SST | 54 | 11348, 200-2 |
|  | P 02402 | S | 55 | 115059 |
|  | P 02592 | SST | 56 | RMP-204, 115276 |
|  | P 02600 | SST | 57 | 117330 |
|  | P 02816 | S | 58 | 116931 |
|  | P 03271 | 5 | 59 | 126316 |
|  | 4 P 04150 | \$51 | 87 | 131779 |
|  | P P 04168 | \$ | 88 | 131788, 132034 |
|  | P03509 | \$5 7 | 91 | $115703^{\circ}$ |


\section*{FOR RONETTE CARTRIOGES} $\begin{array}{llll}24 \mathrm{P} 01537 \mathrm{~S} & 6 & \text { 日F 40, 105, } 106 \\ 24 \mathrm{P} 01792 \text { IP } & 12 & \text { P0204, 400; RA }\end{array}$ | 24 | P 01792 LP |  |
| :--- | :--- | :--- | :--- |
| 24 | 12 | T0204, 400; RA284 |

FOR MAGNAVOX CARTRIOCES
24 P 01180 Comb. 3 560171, 88.1
24 P 01396 Comb, $44560151,58,69,70$.
24 p 01461 Comb, a5 560161
$24 P 01792 \mathrm{LP} \quad 12 \quad 560176,80$
$\begin{array}{llrl}24 & 01529 & 5 & 5 \\ 24 & 560233.4 \\ 24 & 01669 & 5 S T & 46 \\ 24 & 560250.1\end{array}$
$\begin{array}{llll}24 & \text { P } 01669 & 5 S T & 46 \\ 24 & 560260.1\end{array}$ 24 P 02576 SST $47 \quad 560344-45$ $24 P 02174$ SST 18560355 24 P 02762 SSJ 31560365

TOR MASTEMCHAFT CARTRIOGES
24 P 02584 S5T 48 RP100
FOR MOTOROLA CARTRIDGES
24 P01529 S $S$ 59K643335
24 P01537 S 559864395
FOR PERPETUUM.EENER CARTRIDGES
24 P 01420 Comb. 49 PE-8, PE. 10 24 P 01537 S S PE90 (M, N)
24 P 02790 S5T 51 PE-186
24 P 02808 SST 51 PE. 188
FON PHILCO CARTRIOCES
$24 \mathrm{P} 01404 \mathrm{Comb} .44 \mathrm{M} 20,22,25,45$.
9612

## DUAL DIAMOND STEREO STYLI

Styli listed Delow have 2 stereo points so that as one wears out you can use the other. Use to replace original styll with one stereo and one 78 RPM point if you are no longer using 78 RPM records. Fig. ures shown at top of two facing pages. (Fi6. 11). Replaces Astatic M $\$ 1 \mathrm{SO}$ styli in 170 cartridge.
24 P 01800
Net 3.49
11020 and (FiG. 53). Replaces ACA styli 11020 and
110022 in cartridge series RPM. 106960 . A. 108213A, 106770 . A and 106771.A.

24 P 01818 Net 3.49
(FIG. 46). Replaces Sonotone styli N.BTAS SD, DD in cartriage $8 T, 8 T A$.
24 P 01826
Net 3.49
(FIC. G4). Replaces Sonotone styli N.9TS. SD. DD in cartridge series 97 .
24 P 01834
Net 3.49

| 24.801529 | S | 5 | 21 and 26 |
| :---: | :---: | :---: | :---: |
| 24 P 01867 | SST | 26 | 117, 131, 1310 |
| 24 P 01875 | \$51 | 21 | 132 |
| 24 P 01883 | SST | 20 | 141. 149 |
| 24 P 02337 | SST | 29 | 198. 199 |
| 24 P 02345 | \$ST | 30 | 194 |
| 24 P 02782 | SSt | 31 | 5000, 5005 |

# For Stereo And Monaural Cartridges 



FOR KEY TO STYLUS POINT CODES AND HOW TO ORDER, SEE TOP OF preceding page

| Stock | Pt. |  |
| :--- | :--- | :--- | :--- |
| No. | Size Flg. Cartuidge |  |

for shure cartrioges
24 P 01180 Comb. 3 PC2, 3, 4, 5; WC10 24P 01156 LP 2 W21. $_{\text {WBO }}$ 2; WC24, 5 ;

FOR SONOTONE CARTRIOGES

| 24P 01461 | Comb. | 45 | 2T, ST: 9980 |
| :---: | :---: | :---: | :---: |
| 24P 01305 | Comb. | 61 | 31 |
| 24 P 01545 | SST | 46 | 81 and 674 |
| 24 P 01552 | SLP | 46 | 81 and 81/a |
| 24 P 01677 | SST | 62 | 97 |
| 24 P 01685 | SST | 63 | 12THS |
| 24 P 01727 | SST | 64 | 161 Series |
| 24 P 01735 | SSt | 64 | 181 Series |
| 24 P 01743 | SST | 79 | 121/NSR |
| 24 P 02410 | SST | 65 | 217. 22T, 23T, 24T |
| $24{ }^{\text {P }} 02428$ | SST | 66 | 261. 271 |
| 24 P 02436 | SST | 66 | 251. 287 |
| 24 P 02824 | SST | 67 | 321, 39T |
| 24 P 03285 | SST | 66 | 51, 52,54 |

FOR TELEFUNKEN CARTRIOGES
24 P 01487 Comb. 69 TTSA
$24 P 01628$ SST $70 \quad 120 \cdot 2$
24 P02618 SST 71 T-23

## for tetrao cartrioges

| 24 P 02626 | SST | 72 | 11, 31 |
| :---: | :---: | :---: | :---: |
| 24 P 02634 | SS7 | 72 | 21, 41 |
| 24 P 02642 | SST | 72 | 32 |
| 24 P 02659 | \$ST | 72 | 13, 33 |
| 24 P 02667 | \$ST | 72 | 52, 62 |
| 24 P 02675 | SS7 | 72 | 42 |

## record static

 and DUST ELIMINATORSprays a fine mist which keeps your record clear of surface noise created by static (common to all vinyl records) and clean of dust attracted by the static charge. Prevents groove and needle wear caused by static-dust and keeps records lustrous. Extends their Ilfe. Iwo applications a year are sufficient. Enough for hundreds of records. Shpg. wt., 1002. 24 P 70037 … Net .99

## RECORD CLEANER KIT



Deep ciean your records the modern way. Specially prepared silicone anti-static rec ord cleaning fluid protects your valuable records as it cleans. Just a few drops on new velvet applicator will glve you records a professional cleaning job. Supplied with antl-stalic lluid, velvet applicator. 24 P 70045 Shpg. wt., 3 oz. .. Net. 1.19




| Stock No. | $\begin{gathered} \text { PL } \\ \text { Size } \end{gathered}$ | Fig. | Cartridge |
| :---: | :---: | :---: | :---: |


for Vm Cartrioges
24 P01529 S $5 \quad 16707 \cdot \mathrm{~A}$ 24 P01545 SST $46 \quad 16708 \cdot 5$

## for webcor cartrioges

$24 P 015295 \quad 5 \quad 21 P 573$ $24 \mathrm{P} 01537 \mathrm{~S} \quad 6 \quad 21 \mathrm{P} 596,21 \mathrm{P} 598$ 24 P01545 Sst $46 \quad 21 P 700 \cdot 1 \cdot 2 \cdot 34$

FOR ZENITH CARTRIOGES
$24 \mathrm{P} 01537 \mathrm{~S} \quad 6 \quad 142.998$ 24 P 02857 SST 77 142.126, 127, 128, 136 137, 138
24 P 02865 SSI 77 142-1SO, 151 24 P 03327 SST 76 142-167
RECORD CARRYING CASES


## DELUXE CASE FOR 12" RECORDS

(fig. A) Handsome case holds $60-12^{\prime \prime}$ records without jackets. 36 with. Solld wood frame lock corner construction. Covered with pyroxolin coated cloth, washable and long wearing. Two tone. Sure-hold lock. 13 vax 7x144/2". Shpg. wt., $4 y / 4$ lbs.
24 P 82016
Net 5.75

## DELUXE CASE FOR 7" RECORDS

(Fig. 8) Same construction as above. Double sided. Holds 120 records. $151 / 2 \times 7 \times 87 / 4$ ". With index and separators. Shpg. wt., $41 / 4 \mathrm{ibs}$. 24 P 82024

## SYNTHETIC SAPPHIRE STYII FOR ASTATIC, PHILCO, MAGNAVOX AND RONETTE

(FIG. 12). For ASTATIC 310T, 31078, 310TS, $310.2,414-1,420$-TS, 422 -TS, 424.TS;' PHILCO 35-8014. 325.8021; MAGNAVOX 560176; RONETIE Series DTF60, RA-284, T0.284. 3 Mll for 78 RPM Records
24 P 01982
Net .99
2 Mil for 78 \& Mono LP
24 P 01990
1 Mil for Mono $1 P$
Net .99
24 P 020141 Mil for Mono LP.. Net . 99

## POPULAR REPLACEMENT DIAMOND STYLI FOR SHURE AND EMPIRE CARTRIDGES



D

(FIG. A) 7 Mil Diamond Stytus For Shure M7D and M3D Stereo Cartridges.
24 P 01636
Net 7.50
(FIG. B) 7 Mit Diamond Stylus For Shure M44 Stereo Cartridge.
24 P 03061
Net 8.75
(FIG. C) .6 Mil Diamond Stylus For Empire 880P Stereo Cartridge.
24 P 03079
Net 7.95
(FIG. D) 7 Mil Diamond Stylus For Empire 888 Stereo Cartridge.
24 P 03087
Net 7.95

## THE WATTS "DUST BUG"

Automatically removes dirt and dust on each playing. Llght plastic arm mounts by suction cup. Can be permanently mounted by rubber cement. The bottle of antistatic cleaning fluid has a built.in wick for application to a brush and pad at the end of arm. Imported. Shpg. wt., 401.
24 P 25015
Net 6.50
DISPENSER OF ACTIVATING FLUID. For Dust Bugs. Shpg, wt., 201.
24 P 25049
Net 2.50
Replacement Plush Pad and Nylon Brush. Shpg. wt., 2 oz.
24 P 25031
Net 3.00
RECORD DUST REMOVER


For a dust-free record collection. The "Preener" penetrates each groove, remov. ing all dust and grit and deposits a non-toxic ionic compound. Leaves no trace of film or residue. Ideal for keeping new records new. 24 P 25056 Shpg. wt., 402.

# Lafayette Audio Cables and Adapters 

High quality extension cables "tailor made" for users of re corders, hifi equipment, etc. All plugs molded directly to va rious cable combinations. Shielded cable for high impedance (mike, etc.) connections; parallel wire for low impedance (speaker, etc.) connections. Imported. Avg. shpg. wt., 5 oz.

(c)

(f)


AUDIO ADAPTERS
©
(p)
(P) Phono plug coupler, accepts phono plug at each end 32 P 52012 Shpg, wt. 307 (S) 2 conductor phone iack input to phono plug output 99 P 62309 Shpg. wt. 302 (T) Phnno iack input to standard 2 -conductor phone plug output 99 P 62168 Shpr. wl. 302.
(U) Phono iack input to
.Net .75 (U) Phono iack input to a m

Net 83 (M) 2-conductor mini-jack ( $1^{2}$ " dia, sleeve) input to phono plug output.
99963455 Shpg. wi.. 301.
..Net .77
(W) 2 -conductor mini-iack (1.i" dia. sleevel inpul to standard 2 -con ductor phone plug output. 99 P 63463 Shipg. wt. 302.

Net $\boldsymbol{3 H}_{3}$
(W) 2 -conductor mini-jach ( ${ }^{2}$ " ${ }^{*}$ dia. sleeve) input to 3 conductor phone plus output. Shpg. wt., 2 oz. 99 P 63075
(X) 2-conductor subminiature plug ( 1.8 ' dia. finger) output. 99 P 53471 Shog. wt. . 3 oz
. $1 .$. M) 2.conductor standard phone jack input to 2-conductor subminiature plug ( ${ }^{99}$ P 63489 dia. finger) output. 99 P 63489 shpg. wt. 302.
D.I.N. ADAPTER CABLES FOR EURDPEAN RECORDERS
PIN TYPE PHONO PLUG ( 8 (B) TO VARIOUS CONAECTIONS. All Cables shielded. Imported. Avg. Shpg. wi.. 50 or.
 $90^{\circ}$ PHONE PLUG (A) TO VARIOUS CONAECTIONS. Std. $1 / 4^{\prime \prime}$ sleeve; completely shielded. All cables shielded. Imported.
99 P $00671^{-1} 90^{\circ}$ phone plug (A) 72 in . Pin plug (B)
1.10 99 P 00721 90 phone plug (A) $72 \mathrm{in} .90^{\circ}$ pin plug (E) 1.21
$90^{\circ}$ PIN PLUG (E) TO VARIOUS CONNECTIONS. All cables shielded imported.

| 99 P 01026 | $90^{\circ}$ pin plug (E) | $18 \mathrm{In} .90^{\circ}$ pin plug (E) | . 84 |
| :---: | :---: | :---: | :---: |
| 99 P 01067 | $90^{\circ}$ pin plug (E) | 120 in. $90^{\circ}$ pin plug (E) | 1.20 |
| 99 P 01109 | $90^{\circ}$ Din plug (E) | 120 in . Phono Jack (0) | 1.10 |

PHONE PLUG completely shielded. All cables shielded. Imported. $4 / 4$ diam. sleeve; completely shielded. All cables shielded. Imported.

| $99 P$ | 00630 | Phone plug (G) | 72 in . Phone jack (C) |
| :--- | :--- | :--- | :--- |
| 99 P 00754 | Phone plug (G) | 72 in . Mike connector (F) | 1.27 |

## MINATURE PHONE PLUC (l) TO VARIOUS TERMINATIONS

Shielded audio cables with molded minlature phone plug (Yo" dia. meter finger). For use with Sony. Concord, and most Japanese tape recorders and radios. Cables are $69^{\circ}$ long. Imported. Shpg. wt., 602. 99 P 10365 mini phone plug (L) 69 in. stripped \& tinned ends (J) 72 99 p 10373 mini phone plug (L) 69 in . alligator clips (1) 1.11 99 P 10381 mini phone plug (L) 69 in. pin plug (B) 1.11
.89 99 P 10399 mini phone plug (L) 69 in. phono jack (D) 99 P 10407 mini phone plug ( $(\mathrm{L}) 69$ in. phone plug ( 6 ) 1.09 99 P 10415 mini phone plug (L) 69 in . phone jack (C) 1.16 1.13 99 P 10423 mini phone plug (a) 69 in . mini phone plug (L) 99 P 10431 mini phone plug ( $) 69 \mathrm{in}$. mini phone jack (M)


Adapts European 3 contact ( $180^{\circ}$ ) and 5 contact ( $180^{\circ}$ ) DIN conmectors to mate with standard domestic RCA type phono jacks and plugs. For use with Ampex, Norelco, Grundig, Korting, Uher SONY, and other cassette or tape recorders, radios, phonos, amplifiers etc. All phono plugs and jacks are color coded. $69^{\prime \prime}$ shielded cables. Im. ported. Shpg. wt., 6 oz.
(N) 5.pin adapter connects to 4 RCA-type color coded phono plugs 99 P63539 Net 1.99 (0) 5-pin adapter connects to 4 RCA-type color coded Dhono jacks
99 P 63547 99 P 63547

Net 2.69 (P) 5 -pin adapter connects to 2 RCA-type color coded phono plugs 99 P 63554

Net 2.49
(a) 3 -pin adapter connects to 2 RCA-type color coded phono plugs 99 P 63562 Net 2.10 (R) 3 .pin adapter connects to 2 RCA-type color coded phono jacks 99 P 63570

Net 1.95

## UNIVERSAL CABLE KIT



Kif contains: 2 phono plugs with $69^{\circ}$ connecting cable: phono plue connected to 2 allizator clips by $4^{*}$ cabie. coupler with phono fack and phone jack: phone plug output with phono jack input; and coupler with phono lack at each end. All connectink cables are shielded and insulated. Ideal for connecting tape recorder to phonopraph, radio or $T V$ or funer to amplifier. Imported. Shpg. wi., 6 oz .
99 P ot 1356

36" AUDIO CDILED CABLES


A set of 4 color coded shielded cables term. inated at each end with phono plugs. $36^{*}$ extended, refract to only $14^{\circ}$. Plugs moided direclly to cable. One each red, grey, yellow and green colored cable and phono plugs for easy Installation and instanf identification. Imported. Shpg. wt., 6 or.
99 P 01372
Net 1.95
94
Lalayette Cat. No. 730

## 4-WAY ADAPTER PLUG

- 4 Most Popular Plugs
A versatlie 4 -in- 1 adapter plug for most popular tran. sistor radios and cassette type recorders. Has four dif. ferent terminations in par.
 allel compactly molded in a single housing; a 3.5 mm miniature plug; 2.5 mm subminlature plur; 3.5 mm power jack and 2.5 mm coaxlal power Dlug. Imported. 99 p 81046 Shpg. wt., $402 . \ldots . .$. Net .99


## STEREO AUDIO CABLES



Two shielded insulated cables, cof different cotor lones. for easy identification of channels) inside a common chrome grey plastlc jacket, providing two completely isolated channels. Aug. shpg. wt., 8 or. Imported.
Type Length Net

| $99 P 01133$ | $36^{\prime \prime}$ | Phono pin | 1.69 |
| :--- | :---: | :--- | :--- |
| $99 p 01141$ | $6^{\circ}$ | plugs at | 1.83 |
| $99 p 01158$ | $10^{\circ}$ | all ends. | 2.19 |

High quality extenslon cables "tailor made" for users of electrical shield and cable clamp. Chrome grey shielded cable recorders, hi.fi equipment, etc. All plugs molded directly to recorders, hi. various cable combinations with grey plastic handle; built-in
for high impedance (mike, etc.) connections; chrome grey parallel wire for low impedance (speaker, etc.) connections.


PHONE PLUG (A) TO VARIOUS CONNECTIONS. STA. y/" dia. sleeve, completely shielded. All cables shielded except. unshielded paraliel cable. Avr. shpg. wt., 6 oz .

RCA TYPE PHONO PLUG TO VARIOUS CONNECTIONS All Cables shielded except* unshielded parallel cable. wt. 6 oz.

| Stock No. | One Termination | Cable Length | Net |
| :---: | :---: | :---: | :---: |
| 24 P 88013 | $90^{\circ}$ phone plug (A) | 72 in. $90^{\circ}$ Dhone plug (A) | 2.01 |
| 24 P 88039 | $90^{\circ}$ Dhone plug (A) | $25 \mathrm{ft} 90^{\circ}$ phone plug (A) | 3.54 |
| 24 P 88047 | $90^{\circ}$ phone plug (A) | 120 in. Pin plug (B) | 2.10 |
| 24 P 88062 | $90^{\circ}$ Dhane plug (A) | 120 in. Phone jack (C) | 2.70 |
| 24 P 88070 | $90^{\circ}$ phone plug (A) | 25 ft . Phone jack (C) | 3.54 |
| 24 P 88088 | $90^{\circ}$ phone plug (A) | 120 in. $90^{\circ}$ Pin plug (E) | 2.10 |
| 24 P 88096** | $90^{\circ}$ phone plug (A) | 120 in . Strip, tin. ends ( $)$ | 1.47 |
| 24.P88104** | $90^{\circ}$ phone plug (A) | 72 in. Spade lugs (H) | 1.14 |
| 24 P 88112* | $90^{\circ}$ phone plug (A) | 120 in . Spade lugs (H) | 1.53 |


| Stock No. | One Termination | Cable Length | Other | Termination | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 24 P 88724 | $90^{\circ}$ Pin plug (E) |  |  | in plug (E) | $.93$ |
| 24 P 88740 | $90^{\circ}$ Pin plug (E) | 72 in |  | Pin plug (E) | $\begin{aligned} & 1.14 \\ & 1.38 \end{aligned}$ |
|  | ${ }^{90}{ }^{\circ}$ Pin plug (E) | $72 \mathrm{in}$. | Phono | ed, tin ends (1) | .72 .714 |
| 24 P 88377* | * $90^{\circ} \mathrm{Pin}$ plug (E) | 120 in . | spade | lugs (H) | . 14 |
| 24 P 88807 | Pin plug ( ${ }^{\text {B }}$ ) | 72 in. |  | plu | 1.53 |
| 24 P 88815 | Pin plur (8) | 72 ln 25. | ${ }^{90}{ }^{\circ}$ | in plug (E) | 3.54 |
|  | - Pin plug (8) |  | Spade | lugs (H) | . 78 |
| $24{ }^{24}{ }^{\text {P84427* }}$ | * Pin plug (B) | 120 in . | Spade | lugs ( H ) | 14 |
| 24 P 88435* | - Pin plug (8) | 72 in. | Alliga | tor clips (1) | 8 |

## SWITCHCRAFT ADAPTERS - Shielded plug adapters for mikes \& Hi-fi cables. Avg, Shpg. wt., 4 oz.

## miscellaneous cables

$$
\text { Spade lugs (H) } 120 \mathrm{in} \text {. Spade lugs }(H)
$$(H)1.41

1.38
1.50
STEREO ADAPTER CABLE

Two standard. color coded, molded phono plugs wired to a 3 -conductor molded extension phone jack. Ideat for adapting ${ }^{3}$-circult stereo phone plugs. as used on microphones and headsets. to 2. separate phono jack inpuls. Completely shielded $4^{\circ}$ grev stereo cable.
24 P 88898 Shpg. wt., 4 oz.
Net 2.73
$332 A-2$ cond. phone jack input to female mike output. Coupling rling back converts mike conn. to male type.

## 24 P 88559

Net 1.26
334A-Phono jack input to female mike connector output. 24 P 88567

Net 1.05 336A-2 cond. phone jack input to phono plug output.
24 P 88583
Net 1.26
3384 -phono plug at one end with male mike connector at other end.
24 P 88591
Net .81

345A-2 cond. phone plug output with phono jack input.
24 P 88625 Net .93
349A-Phono plug coupler-with phono jack 24 each end

Net 78
364A-2-Conductor tinl-jack Ka" dia. sleeve to 2 -conduetor standard $1 / 4^{" p}$ plug. 24 P 88906 Net 1.11 365-2. Conductor tini-jack xio dia. sleeve to phono plug output.
24 P 88914 Net 1.11 370 -Phono jack input to a 2-conductor tink. plug ( $\mathbf{N}_{4}^{\infty}$ dia. finger) output.

| plug |
| :--- |
| 24 |

Net .87

## HI-FI SPEAKER CABLES



Set of 2-15 ft . speaker cables, each with spade lugs on all ends. Clear plastic covered polarized conductors. 24 gauge copper conduetors, Shpg. wt., 50 oz.
32 P 36486 Per Set $\qquad$
$\qquad$ Net 98 Same as zbove, but sef of $230 . \mathrm{ft}$. cables with 22 gauge conductors.
32 P 36528 Shpg. wt. 1402 ....Net 1.69 Set of 2.15 it . speaker cables with RCA type phono plug at one end, tinned and stripped leads al the other. Imported.
stripped Leads at the other, importe. 29.19 Same as above, but set of 2.30 it . Cables. 99 P 00457 Shpg. wt., 14 oz . .. Net 3.58
To Speed Your Mail Order-Please Give Your Zip Code Number
For converting Stereo Player to Monaural. Can be used for a Tap-in-Meter Monitor connection. Also required on some Tape Recorders. Imported. Shpg. wt., 3 oz .
(L) Phono Plug connected to 2 Phono Jacks by $4^{\prime \prime}$ shielded cable.
99 P 00937 ..................... 94
(M) Phonc Jack connected to 2 Phono Plugs. 99 P 00945 Net .94 (N) 3 Phono Plugs connected together by $4^{* *}$ shielded cable. Net 94

Net .94

374-2-Conductor phone jack input to a 2 conductor tini-plug (ki" dia. finger) outout. 24 P 88930
24 P 88930
$383-3$ contact female mike input to a 2 cond. phono jack output.
24 P 88948
Net 2.91
24 P 88948 male mike input to a 2 -cond. phone jack output.

Net 2.61
24 P 88955
$386-3$ contact female mike input to a stan-$386-3$ contact iemale mike inpu
dard 2 -cond. phone plug output.
24 P 88963
Net 2.85
387-3 pin male mike input to a standard 2-cond. phone plug output.
24 P 88971
Net 2.52

(A) PK-1I COMPLETE DELUXE RECORD CARE KIT. Record sweep mounts to any phono deck by suction cup. Cleans and tubricates records as they play. Includes Anti-Static Cleaner and Lubricant, Stylus Pressure Gauge, Styius Microscope, and "Rob-0Stat" Record Care Kit consisting of a super-solt velvet and foam applicator mitt, it/ oz anti-static cleaner-lubricant, and poly-foam pad. Shpg. wt., 10 oz .
24 P 80648
Net 8.99
(B) PSG-3 STrLUS PRESSURE CAUGE. Accurately calibrated gauge and counter balance weight. Measures pressure to $1 / 2$ gram.
24 P 80556 Shpg. wt., 4 Oz. ....Net 1.15
(C) PM.I STYLUS MICROSCOPE. Inspect stylus tip for signs of wear, chips, efc., to prevent record damage. Precision ground lenses, 50x magnification. Knurled focusing adjustment. Pocket clip. Slot dt end of scope holds stylus. Size: $33 / 4 \times 1 / 2^{2}$. Imported. Shpg. wt., 3 or.
24 P 80168
(D) PX: A AMTI-STATIC RECORD-XLEEN SPRAY. Silicon lubricant and cleaner prevents dust accumulation on records. Ellminates static pops and clichs to improve fidelity. 8 oz . 24 P 80689 Shpg. Wt., 13 oz. Net 1.29
(E) PK-5M PROFESSIONAL PHONO STROEE AND LIGAT KIT. 4-speed metal strobe disk and neon lamp. Tests phono speed aecuracy at $162 \mathrm{~h}, 331 \mathrm{~s}, 45$, and 78 rpm . 110 V 50.60 Hz . A.C. Instructions included. 24 P 80358 Shpg. wt. 5 oz . Net 2.49
(f) P8-12 PROFESSIONAL GROOVEMASTEA. The finest of its type available. Automatically removes dirt and dust from delicate record grooves. Features velvet cylinder, tapered nylon brush, and convenient fingerHift. Made in England. Shipg. wt., 14 oz. 24 P 80879

Net 6.99
P8. 2 COMBIMATION TOME-ARM LIFT AND RECOMD BRUSH. (Not IIlus.) CHips to tone. arm. Sweeps dust and particles from records Convenient finger lift prevents record scratehes.
24 P80028 Shpg we., 2 oz .... Net . 69
(G) PB-3 ADJUSTABLE STVLUS GRUSH FDR ALL U.S. AMD IMPORTED PHONOS. Spring secured Hexible brush adjusts from $3 / \mathcal{L}^{*}$ to 214" " height. Removes blob accumulation on stylus when tone-arm is cycied. Self-sticli base for easy mount to phono dech. 24 P 80549 Shpg. wt., 3 oz .

Ne* 89
(H) PB.g DISC-WHISK RECORD CLEANER Cleans and lubricates IP and 45 rpm records on both sides in one operation by rotating record. Deposits Anti-Static Silicon to im. prove fidelity. Record handing disc Inciused 24 P 80671 Shpg. wt. 4 oz. Net 1.35
PG-20 DISPOSABLE OISC-WLEEN CLOTHS. Not Hlus.) Package of 18 Anti-Static, Silicone impregnated cloths. Cleans and lubricates records.
24 P 80812 Shpg wt. 4 oz. .... Net 1.05
PC. 2 TWO ANTISTATIC TECORD CLEAWINE CLOTHS ANO CLIP-OW RECONO BRUSH.
Shipg wt., 40 oz
24 P 80440 (Not illus.)
Net
.37

(I) PSC-1 HI-FI STMUS CLEANING KIT. A specially designed fluid and brush for safe cleaning of stylus. Increases life of stylus and records. Made in England. Shipg. wt., 502.

24 P 80887
Net 1.49
(f) PJ-18 ROUNO BOTTOM PLASTIC RECORO COVERS. Protects $12^{\prime \prime}$ records. Phg. of 18. 24 P 80564 Shpg. wi., 5 oz . Net .. 81
(X) PSG-4 STYIUS GALANCE. Lightweight gauge permits simple, accurate adjustment of tone-arm pressure from $1 / 4$ to $41 / 2$ grams. Includes 8 weiphts. Made In England. 24 P 80895 Shpg. wi., $4 \mathrm{oz} . \quad$ Net .79
PB-75 CLIP-ON MECORD BRUSH. (Not Illus.) Clips to tone.arm. Sweeps dust from records 24 P 80036 Pkg. of 2. WI., 202 . .... Net .75
(L) PB-IO PROFESSIONAL RECORO SWEEP Sweeps dust and particles from delicate sound grooves of records. Deposits Anfi. Static Silicone Cieaner and Lubricant. Im. proves sound fidelity. Mounts to phono by suction cud. Includes Cleaner and tubricant. 24 P 80663 Shpg. wt., 5 oz. ... Net 3.89
(4) PB.es "CLEAM-SWEEP". Large soft halr brush cleans entire traching surface of records up to 12". Self-sitch base mount to any phono dech. Swings out of way when not
24 P80010 Shps. wt., 6 oz. ....Net 4.99
PRA-SO RECORD SPIDEAS. (Not lllus.) 50 mi . impact plastic, reusable 45 rpm adapters. Easy insertion in records. Shog. wt., 40 oz. 24 P 80465

Net 89

(0) PRS. 12 POLY-LINED RECORD SLEEVES. Paper protective sleeves for $12^{\prime \prime}$ records. Has clear poly windows to show labels of records. Seals out dust and grime to pre. serve records. Phg. of 12.
24 P 80796 Wt., 13 oz.
Net 1.39
P) PK-6 "ROB-O-STAT" RECOND CLEANING WIT. Super-soft foam applicator mitt. 11\% 02. Anti-Static cleaner and lubricant, and poly-foam pad. Shpe wt., 502 .
24 P 80366
Net 1.59

PJ- 25 ALBUM COVERS. 12 heavy welght plastic window clear covers with thumb notch for easy insertion and removal of record albums. (Not thus.)
24 P 80705 Shpg. wi., 8 oz...Net 1.19
(G) PM.9 "TENDER LOVING CARE" MECORD kif. Contains super-soff Velvet and foam Applicator Mitt, $11 / 202$. bottie of Antl.Stalic Record Cleaner and Lubricant, Polyfoam Pad for cleaning the velvet side of the mitt, Adjustable Stylus Brush, and Combination Tone-Arm Lift and Record Brush. Stylus Brush mounts to phono deek by self-stlek base. Adjusts from $3 / 4^{\prime \prime}$ to $21 / 4^{=}$height for use with all turntables. Removes dust blob accumulation from stylus when tone-arm is cycled. Tone Arm Lift and Record Brush clips to tone-arm. Provides convenient finger lift to prevent fumbling and scratching of records. Gently sweeps dust from delicate record grooves. Shpg. wt., 1002 . 24 P 80853

(R) PK-2 "TOUCM.OF-VEIVETM RECOR Net 2.99 ING KIT. Soft velvet cloth ando ClEAM. Antl-Static Record Cleaner improves flide of 24 P 80861 Shpg, wt., 6 az. Net 1.29
(\$) PRI. 2 RECORD IONIZER. Keeps records faetory fresh and clean. Gentle velvet plush applicator has internal chamber to hold special anll-static fluid. Gently removes any dust and other particles from delicate grooves increases record tife and improves sound fidelliy. Refills avallable. Shpg. wi., 602.

24 P 80903
Net 2.99
(T) PRF. 1 IOWIZER REACTIVATING FLUIO. Anti-static agent used to reaclivate Record lonizer. Can be used with other anti-static record cleaning devices. Shpg. Wi. 401. 24 P 80911

Net 1.59
(U) PK-12 RECORD DISCOTECH CARE KIT. This gentle sponge does an effective job in keeping records clean, when used with included fluid. Styfus brush included. Made in England. Shpe, wt., 8 oz.
24 P80929

## Popular Priced Solid-State Portable Stereo Phonographs

## NEW SOLID-STATE 2 SPEED MANUAL STEREO PHONO SYSTEM

## Only <br> $29^{95}$

- 2 Bookshelf-style Speakers
- Hinged Plastic Dust Cover

Compact and portable, perfect to take to school or use in play room. Solid-siate construction with all transistor integrated circuit ampllfier provides full-fidellty sound. 2 "bookshelfstyle" speakers can be wall mounted. Heavy-duty chromeplated turntable. Separate volume controls for each channel. Play both 33 and 45 RPM stereo or mono records. Walnut plastic finish. Includes hinged plastic dust cover. 45 RPM adapter and speaker cables. For $117 \mathrm{~V}, 60$ cycles AC house current. Dimensions: $23 \mathrm{~s} / 2 \mathrm{~L} \times 17 \mathrm{w} \times 25^{\circ} 0$. Shipg. wt., 11 bs. 24 P 76000 W Net 29.95


LAFAYETTE 4-SPEED STEREO PHONOGRAPH


$64^{95}$- Garrard 4 Speed Automatic Record Changer - Each Detachable Speaker Contains a 4" Air Suspension Speaker - Front Panel Stereo Headphone Jack

Two detachable acoustically matched $4^{\prime \prime}$ speakers can be separated up to 12 fl . for full dimensional sound. Garrard changer plays all size records at $162 \mathrm{~h}, 331 \mathrm{~h}, 45$, and 78 RPM. Instant-on solid-state stereo amplifler has 3 controls, Volume Left, Volume Right, and Tone. Phono turns off after last record has been played. Equipped with stereo turnover cartridge with diamond LP needle. Size $23 \mathrm{~W} \times 7 / 20$ x $131 / 2^{2} \mathrm{H}$. For 117 VAC, 60 Hz . Shps. wt., 24 lbs.
24 P 03442 W No Money Oown*
Net 64.95
24 P 02543 Replacement Diamond Needle for TPS30 24 P 0217045 RPM Spindle for TPS30

Net 2.79
Net 3.80

## DELUXE LAFAYETTE 4.SPEED

 STEREO PHONOGRAPH

Magnificent hi-fi sound reproduction from each detachable speaker. Powerful 10-watt solidestate stereo amplifier. 4 controls: Loudness, Balance, Bass, Treble Garrard \& speed automatic record changer plays all record sizes and speeds $7^{\prime \prime}, 10^{\prime \prime}$ and $12^{\prime \prime}$ records at $162 / 3$. 3343 . 45 , and 78 RPM. Automatically shuts off after last record has been olayed. Stereo turnover cartridge with diamond needle. Simulated walnut and black washable vinyl covered cabinet. Size: $21 / 4 x$ $124 / 2 \times 143 / 4$ for 110.120 VAC 60 Hz . Shpg. wt. $331 / 2 \mathrm{lbs}$.
24 P03434W No Money Down*
Net 99.95
24 P 02543 Replacement Diamond Needie for TPS35 ... Net 2.79
24 P 0217045 RPM Spindle for TPS35


# NEW! LAFAYETTE SOA-50 4-Channel sa Decoder/Amplifier <br>  <br> $49^{95}$ <br> 4 Separate Solid-State Amplifiers Deliver 12-Watts Music Power <br> Sensational New Exclusive 4-Channel Design from LAFAYETTE 

## The SQA-50 Can Be Used 2 Ways:

1.As A Decoder for Converting Low-Power 2-Channel Stereo Phonos, Compacts, Amplifiers and Receivers to Play 4-Channel SQ Records and 4-Channel Discrete Tapes

With our exclusive, exciting new 4-Channel SQ Decoder/Amplifier, any conventional low-power 2 -channel phonograph, compact, amplifier or receiver can be converted to play 4 -channel $5 Q$ records or discrete 4-channel tapes. And, most important, the SQA. 50 is simple to hook. up-connects easily to your existing 2 -channel speaker outputs. Your present speakers, plus 2 additional speakers, are connected to the SQA-50's speaker out put terminals. As a separate 4 -channel amplifier, the SQA-50 has 4 Aux. inputs for connecting a discrete 8 -trach tape player. The SQA-50 features SQ matrix circultry for playing the ex-
citing new 4-channel SO records developed by Columbla. In addition, La fayette's exclusive Composer circuitry for deriving 4 -channel sound from 2-channei records, tapes, and FM stereo broadcasts is built-m 10 the SQA. 50 . The front panel has 4 -channel stereo headphone jacke, concentric front and rear-channel volume controls, and a 3 -position selector switch for Sa, Composer, and Discrete. Power Output: Musi:
 imported. Shpg. wt., 8 ibs.
99 P 02909 No Money Down*
Nel 99.95

## NEW! 4-Channel SQ Stereo Phono System



## - Built-In SQ Matrix Decoder <br> - 4 Solid-State Stereo Amplifiers <br> - Garrard 4-Speed Automatic Stereo Record Changer

Low-powered 4-channel modular solld-state phono system equipped with SQ matrix decoder for playing new 4 channel SO records developed by Columbia. Solid. state control center has 5 IC circuits. Features 3 controls-Front Volume, Rear Volume, and Tore control. Four acoustically matched speaker systems each contain a high-compliance " 4 " wide-range speaker. Garrard auto. matic record changer is equipped with a Varco CN72 crystal cartridge with diamond IP needle. Plays $12^{\prime \prime}, 10^{\prime \prime}$, and $7^{\prime \prime}$ records at $163 \mathrm{~s}, 331 / 3,45$, and 78 RPM . Ebony molded plastic cablnetry with walnut and sifver trim. Includes plastic dusi cover. Size-Control Unit: $161 / 2 \mathrm{~W} \times 141 / 4 \mathrm{D}$. $2{ }^{7} \mathrm{H}$ including dust cover. Each Speaker: $71 / 2 \mathrm{Wx} 10 \mathrm{Hx4}{ }^{\circ} \mathrm{D}$. For 117 VAC, 60 Hz . Shpg. wt., 24 lbs. 24 P 03624 W No Money Down


## Deluxe Lafayette LSC-55 Solid-State 3-Piece Stereo Modular Hi-Fi Phono System

With Dust Cover

## Each Speaker Enclosure Contains an $8^{\prime \prime}$ Wide-Range Speaker

- Deluxe Full Size BSR 4. Speed Automatic Record Changer Features Cueing Lever, and AntiSkating Control
- Front Panel Stereo Headphone Jack
- Aux. inputs Jacks For Plugging.in a Stereo FM Tuner or Tape Player
- Solid-State Stereo Amplifier has 4 Controls - Volume, Balance, Bass, Treble
- Walnut Wood Cabinetry

Dur beautiful 3-piece stereo compact phono system provides superb hi-fi music reproduction at a modest cost. Has many features usually found on higher price component systems. Famous full size BSR 4. speed record changer with cueing control plays $7^{\prime \prime}, 10^{\prime \prime}$, and $12^{\prime \prime}$ records at $163 \% 331 / 3,45$ and 78 RPM. Tubular tone arm has stereo turnover cartridge with diamond LP needle. System turns off after the last record has been played. Input jacks are provided on the rear panel for plugging in an FM Stereo Tuner or Tape Player. Power. ful solid-state stereo amplifier has a stereo headphone jack for pri-
vate listening. Acoustically matched par of $8^{* \prime}$ wide.range speakers are housed in walnut wood cabinets. Each Spk. System measures
 For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Comes with plastic dust cover and 45 RPM Spindle. Imported. Shpg. wt., 36 lbs .
24 P 03400wx No Money Down
Net 89.95
Replacement Needle for LSC-55. Shpg. wt., 3 oz.
24 P 02980
Net 2.79


# Lafayette LSC-25 Solid-State 3.Piece Stereo Modular Hi-Fi Phono System 

- Two 4" Wide-Range Acoustically Matched Speaker Systems
- Ulitra.Modern Low Profile Styling
- Stereo Headphone Jack for Private Listening
- Famous BSR 4 -speed Automatic "Mini" Record Changer

Component inspired design. Now a stereo hi-fidelity phonograph with the advantages of separate components. Our handsome 3 -piece modular hi-fi phono system features a control unit containing a reliable solld-state stereo ampllfier and a BSR 4 speed automatic "omini. changerit mounted in a simulated black leather high-impact plastic base with walnut vinyl trim. Each matching speaker system can be ideally spaced for proper stereo separation. They can be placed on a bookshelf, hung on a wall, or set on end-tables. The amplifier has a stereo headphone jack for private listening and 3 controls: volume left, volume right and tone. BSR 4 -speed automatic "mini-changer" features automatic shutoff after last record has been played. Plays
all size records-7", $10^{\prime \prime}, 12^{\prime \prime}$ and all speeds- $162 / 3,331 / 3,45$, and 78 RPM. Intermixes $12^{\prime \prime}$ and $10^{\prime \prime}$ records of the same speed. Tone arm is equipped with a stereo turnover cartridge with a diamond LP needle. Includes a tinted plastic dust cover for the control unlt. Size: Control Unit- $101 / 4 \mathrm{~W} \times 161 / 2 \mathrm{~L} \times 61 / 2^{*} \mathrm{H}$; Speaker- $73 / 2 \mathrm{~W} \times 91 / 2 \mathrm{~L} \times 4^{\prime \prime} \mathrm{D}$. For 110 VAC, $60 \mathrm{~Hz} / \mathrm{Shpg}$. wt., $131 / 2$ lbs.
24 P D3236WX No Money Down*
Net 49.95 ACCESSDRIES for LSC-25
Replacement Needle for LSC-25. Wt., 302.
24 P 02386
Net 2.79
24 P 0256845 RPM Spindle for LSC. 25
Net 1.49

## LAFAYETTE AM/FM Stereo Modulur Phono Systems



## Deluxe Lafayette LSC-100B AM/FM Stereo Modular Phono System

- Garrard 4.Speed Automatic Record Changer with Cueing
- Powerful Solid State Stereo Amplifier
- Electronic FM Stereo Indicator Light
- Stereo Headphone Jack for Private Listening
- Each Speaker Contains an 8"Woofer and 4"Speaker
- Guitar Microphone Input Jack
- Tape Input and Output Jacks
- Main and Remote Speaker Jacks
amplifier automatically after last record. Features tubular tone urm with Vaco TN-4 stereo turnover cartridge with diamond LP neelle. Each 2-way speaker system contains an 8" woofer and 4" tweeter for brilliant concert hall realism. You also get a handsome tinted plastic dust cover for the compete control unit, speaker hook-up cable ind a 45 rpm spindle. The components are mounted in beautif 1 walsut vinyl veneer covered wood cabinets. Size: Control unit 235/w $\times 110$ $x{ }^{1036}{ }^{10} \mathrm{H}$ (with dust cover). Includes tinted plastic dust cover and 45 RPM spindle. Speaker Encl.; $15 \% / 6 \mathrm{H} \times 101 / 9 \mathrm{~W} \times 45 \mathrm{~h}=\mathrm{D}$. For 110.130 VAC, 60 Hz . Shpp. wt.. 45 los .
24 P 03251 WX No Money Down* .......................Net 139.95

Our finest stereo phonograph with bulit-in stereo FM/AM radio is fully solid-state and features magnificent ultra-modern styling. The control center's stereo amplifier provides 40 -watts I.P.P. outputand has provisions for tape input and output, guitar mike input, and stereo headphone. Also includes AC convenience outlet on rear panel. Features remote speaker output jack for hooking up an addjtional pair of speakers for another room. Tunes in regular FM \& AM radio and receives full-dimensioned stereo FM broadcasts. Bulit in AM/FM antennas. Provision for attaching external FM antenna, Calibrated slide rule tuning. AFC switch for drift-free FM reception. Garrard 20254 -speed automatle stereo record changer with cueing
lever plays 7 ", $10^{\prime \prime}$ and $12^{\prime \prime}$ records at $1623^{\prime \prime} 331 / 3,45$, and 78 rpm lever plays $7^{\prime \prime}, 10^{\prime \prime}$ and $12^{\prime \prime}$ records at $162 / 3^{\prime \prime} 331 / 3,45$, and 78 rpm . operates automatically or manually. Shuts off both changer and

## Lafayette LSC-95 3-Piece AM/FM Stereo Hi-Fi Phono System

- FM Stereo Indicator Light
- 2 Wide Range 4" Acoustically Matched Speaker Systems
- Famous BSR 4-Speed Automatic "Mini" Record Changer
- Front Panel Stereo Headphone Jack

Highly styled compact AM/FM Stereo music system at a low, low Lafayette Price, 8 SR "mini" stereo record changer plays 12 ", 10 ", \& $7^{\prime \prime}$ records at $162 / 3,334 \%, 45$ and 78 RPM. Features precisionbalanced turntable, low mass plek-up arm for accurate tracking and diamond LP stylus ceramic cartridge. Solld-state stereo amplifier has 5 controls-Volume Left, Volume Right, gass-Treble, selector (Phono, FM, AM), Tuning. AM/FM Stereo Radio has slide-rule tuning

79 95 With Plastic Dust Cover
dial, FM Stereo Indicator Light, and built-in AM \& FM antenna. Bleck leatherette and walnut grained plastic cabinetry. Size Control u7it $163 / 4$ W $\times 97 / 8 \mathrm{D} \times 61 / 2^{\prime \prime} \mathrm{H}$. Each speaker $738 \mathrm{~W} \times 91 / 2 \mathrm{~L} \times 4^{\prime \prime} \mathrm{D}$. For 117 VAC 50 $\mathrm{Hz}_{24}$. With tinted plastic dust cover. Imported. Shpg. wt., 14 its. 24 P 03616 W No Money Down* 24 P 02386 Replacement Needle. Wt., 3 oz. ....... Net 79.95
2.79 24 P 0256845 RPM Spindie. Wt., 3 oz.

## Our Best AM/FM Stereo 8-Track Modular Phono Systems

 Woofer, $31 / 2^{\prime \prime}$ Tweeter, and a

## Deluxe Lafayette LSC-9000 Solid-State AM/FM 8-Track Stereo Phono System

- Power Output-100 Watts Music Power
- Stereo Headphone and Remote Speaker Outputs
- Individual Illuminated Track Indicator Lights
- FM Stereo Indicator Light and Tuning Meter

The ultimate in a 3-piece modular stereo phono system. Consists of a handsome Control Center containing a powerful solld-state 106 -watt, AM/FM stereo Tuner/Amplifier, a famous Garrard 4 -speed Autumatic stereo record changer, a deluxe 8-Track Stereo Cartridge Playy r, and two separate, perfectly balanced, full-range 2 -speaker Acoust c Suspension systems. Speclfications: Garrard changer: 4 -speeds- $162 / 3$, $331 / 3,45,78 \mathrm{rpm}$. Intermixes records of the same speed. Tone arm has turnover stereo ceramic cartridge with Diamond LP needle, 8 Irach Stereo Tape Cartridge Player: Individual llluminated Tra=k Indicators, Pushbutton Track Selector. Stereo Tuner/Amplifler: B ack-out calibrated tuning dial-Separate slide controls for Balance, Bass,

- Slide Lever Controls for Balance, Bass,

Treble and Volume

- Garrard 2025 4Speed Automatic Record Changer with Cueing - Tape Inputs and Outputs

Treble and Volume. Rocker switches for On/Off, AFC Rumble Filter, Scratch Filter, and Loudness. Front panel guitar mike input jack. Tape input and output jacks; AC convenlence outlet. Each acoustic Suspension Speaker System contains an $8^{\prime \prime}$ woofer, a $31 / 3^{\prime \prime}$ tweeter and a cellular horn dispersion duct. Beautiful walnut vinyl wood cabinetry. includes Plastic Oust Cover and 45 rpm spindle. Size: Control Center$231 / 2 \mathrm{~W} \times 93 / 4 \mathrm{Hx} 15^{\prime \prime} \mathrm{O}$. Ea. Speaker System- $147 / 2 \mathrm{Hx} 111 / 4 \mathrm{~W} \times 6 \%$ "D. For $110-120$ VAC, 60 Hz . Shpg. wt., 63 lbs .
24 P 03475wx No Money Down*
Net 239.95
24 P 03202 Replacement needle for LSC. 9000
Net 2.79


- BSR 4-Speed Automatic Record Changer
- Powerful Solid-State Amplifier with Separate Velume, Tone and Balance Slide Controls

Enjoy 8-track stereo tape cartridges, stereo records and AM/FM stereo broadcasts from this "luxurious-low price" 1 -piece phono system. The poweriul solid-state AM/FM stereo tuner-amplifier features a black-out tuning dial, FM Stereo Indicator Lght and front panel stereo headphone jack. Built-in 8 -track stereo tape cartridge player has separate channel indicator lights. Full-size BSR 4 -speed automatic record changer plays $12^{\prime \prime}, 10^{\circ \prime}$, and $7^{\circ \prime}$ reiords at 162 h , $331 / 3,45$ and 78 RPM , and has a tubular tone arm equipped with ceramic stereo turnover cartridge with diamond LP stylus. AC con-

- Each Air Suspension Speaker System Contains an $8^{\prime \prime}$ Woofe-, 2" Tweeter, and a Cellular Horn-Type Duct
- 8-Track Stereo Cartridge Player has Individual Channel Ligh"s and Pushbutton Track Selector
venience outlet, tape output jacks, and guitar input jack are provided on the rear of the unit. Built-in AM and FM antennas. Provision or external antenna. Handsome walnut wood cabinetry. Size: Cont-ol Unit-17K, W $\times 14 K_{6} \mathrm{D} \times 5^{\prime \prime} \mathrm{H}$. Each speaker- $153 / 4 \mathrm{H} \times 11 \mathrm{~W} \times 61 / 2^{\circ} \mathrm{O}$. Comes with plastic dust cover, 45 RPM spindle, and FM dipole $3 n$ tenna. For 117 VAC, 60 Hz . Imported. Shpg. wt., 50 lbs. 24 P 03608WX No Money Down*

Net 15995
Replacement Diamond Needle for Above.
24 P 02980
Net 279


Featuring
HANDSOME WALNUT WOOD CABINETRY

The SR-30 Modular System features the same famous Lafayette quality and craftsmanship as found in our more expensive, widely acclaimed high-fidelity units. The SR-30 features an advanced SolidState AM/FM Stereo Receiver and 2-Channel 8 -Track Sterep Tape Cariridge Player in one deluxe unit, plus two $5^{\prime \prime}$ wide range high. compliance speaker systems. All components are mounted in handsome handcrafted walnut wood cabinetry, and, most important. this Enjoy the ease and pleasure of listening to preryone can afford. Stereo Tape Cartridges isten to milemicent FM sternn orindtaris as well as mnno and AM ururams. Inuul iachs are provided on the
rear panel for connecting a record changer (ceramic cariridge) and reel-to-reel or cassette tape player. You can also hook up a tape recorder to the tape output jacks. The rear panel also contains an AC. convenience jack, and provisions for attaching an external FM antenna. The 8 -track cartridge player has a pushbutton channel se. lector and individual illuminated channel indicator lizhis. Size. 8 Track/Receiver Unit, 183, w $1940 \times 36{ }^{\circ} \mathrm{H}$. Fach Socnken fyetem comes with of it of hook un calsen and cunlitetors and measures 93411 , 17 wW a 414 D . Huilt-in AM and FM antennas For 117 VAC, 60 Hz . Imported. Shpg. wt., $23 \mathrm{~V} / 2 \mathrm{lbs}$.
99 P 02891 W ..........................

Net 99.95



SQR-20 Features
$\star 4$ Separate Solid-State Amplifiers
Built-In SQ 4-Channel Matrix Decoder

* "Composer" Circuit for

Deriving 4-Channel Sound
From 2-Channel Sources
Sensitive AM/FM Stereo Tuner
$\star 4$ Wide-Range
Speaker Systems

## - 4 Slide Lever Volume Controls <br> - FM Stereo Indicator Light

- Blackout Tuning Dial
- Separate Bass and Treble Controls
- Four 4-Channel AUX Inputs
- Inputs for Magnetic and Ceramic Phono

The Lafayette SQR-20 is a quality modular system featuring a 4 channel stereo receiver consisting of an AM/FM stereo SO Matrix Decoder, and 4 separate amplifiers in one unlt, plus 4 separate speakers in handsome walnut wood enclosures. Advanced 4 -channel circultry makes recorded sound more natural and realistic than ever before. It can add the spatial quality of the original con cert hall right in your own listening room, or it can place you in the middle of a folk or rock session with your favorite singer or group. The 4 channels of sound are reproduced through 4 separate speaker systems each housing a wide-range $61 / z^{\prime \prime}$ high-compliance sound: Discrete, Sa and Derived, Just connect a channel ganne tape cartridge or reel-to-reel player and listen to discrete 4-channel lapes. The built-in SO-M decoder permits you to lislen to 4 -channe SO broadensts on FM ur to play the new SQ 4 -channel records de
veloped by Columbia. No special record changer or cartridge is equired to play SQ records-any conventional changer can be used and when you are not enjoying 4-channel sound, you can use the sound from 2 -channel records, tapes, and broadcasts four separat slide-lever volume controls are provided for adjusting sound for front left, front right, rear left, rear right. Output jacks are pro vided for headphone or tape recorder. Bullt-in AM \& FM antennas Provisions for external FM antenna. There is an AC convenjence out let on the rear panel. The two front speakers include 8 ft . of cable the two rear speakers include 25 ft . of cable. Sire, Each 3peaker System, $81 / 2 \mathrm{~W} \times 1443 \mathrm{H} \times 51 / \mathrm{K}^{\prime \prime} \mathrm{D}$, 4 . Channel Receiver, $161 / 2 \mathrm{~W} \times 101 / 80 \times$
$44^{\prime} 2^{\prime} \mathrm{H}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. , H. For 117 VAC, 60 Hz , Imported. Shpg. wt., $371 / 2 \mathrm{lbs}$.
99 P 02867 W No Money Down
Net 169.95
${ }^{\circ}$ See Page 23 for Full Details on Easy Pay Plan

## Record Cassette Tapes direct from the AM/FM Stereo Receiver, live through Microphones,

 or connect aturntable and
recorry Your favorite
Stereo Records!

## AAM 2 YEAR GUARANTEE

See Page 415 for Oetalls

## LAFAYETTE LRK-900 Stereo Cassette Tape Recorder With Built-in AM/FM Stereo Receiver

CASSETTE RECORDER FEATURES

- Pushbutton Functions: Play, Record, Fast Forward, Rewind, Pause, Stop, Cassette Up
- Large llluminated Dual Record Level Meters
- STD/CrOz Bias Equalizer Switch
- Sound with Sound Mixing
- Front Panel Mike Input Jacks
am/fm Stereo receiver features
- 20 Watt $\pm 1$ do Stereo Amplifier
- Built-in Circuitry to Derive 4. Channel Stereo
- Main, Remote, or Main and Remote Speaker Selection
- FM Stereo Indicator Light with Acritune ${ }^{13}$
- Magnetic and Ceramic Phono Inputs


Our exclting LRK-900 stereo Casselte Recorder with bullt-in AM/ FM stereo recelver features 4 -dimensional stereo circuitryLatayette Composer and Adapter to derive 4-channel stereo sound ACRITUNE W. circultry provides foolproof visual FM funing accuracy. The $\mathrm{STO} / \mathrm{CrO}_{2}$ bias equalizer switch permits choice of recording with either a standard cassette tape or the improved chromium dioxide tapes ( $\mathrm{CrO}_{7}$ ). The recorder turns off both electrically and mechanically at the end of a lape in either play, record, or fast forward mode. Also includes 3-digit tape counter with reset button; separate bass and treble controls; front panel stereo head phone jack. Input jacks are provided for Aux.. Cer.. or Mag. Phono. Convenience outlot. Output transistors are lused for overload pro-
tection. Specifications: Receiver. Power Output, 20 Watts total $\pm 1$ db. Input Sensitlvity Phono (mar.) 4 mV , (cer.) 130 mV . (aux.) 275 mV. FM tuner IHF Sensitivity 3.5 HV . Stereo MPX Separation 35 db @ 400 Hz . Cassette Recorder. AC Bias Erase Freq. 98 kHz , S/N Ratio better than 48 db , Mike Input sensitivity 1 mV . Wow $\&$ Flut-
ter less than $25 \%$, Freq. Response 50.10 kHz . Walnut wrap-around ter less than $25 \%$, Freq. Response $50-10 \mathrm{kHz}$. Walnut wrap-around
metal case with Brushed Gold Aluminum trim. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. metal case with Brushed Gold Aluminum trim. For $117 \mathrm{VAC}, 60$
Size: $191 / 4 \mathrm{~W} \times 4 \mathrm{H} \times 117 / \mathrm{m}^{\prime 0}$. Imported. Shipping wt., 26 lbs .
 OYNAMIC MIKE FOR LRK 900 . Wt., 1 lo. 99 P 46161
STANOARO GO-MIN. CASSETTE RECORDING TAPE 28 P 01223 Shpg. wt., 4 oz.

Net 7.79
Net .99

Deluxe AM/FM Stereo Cassette System featuring the LAFAYETTE LRK-900


Save 24.97 on this fine performing 2 -channel stereo system featuring the LRK-900, 2 Criterion 25A Speaker Systems, ${ }^{3}$ 60-Min. Cassette Recorting Tapes, and speaker hook-up cable. Wt., 51 lbs 99 P $92264 W^{\prime \prime} M^{\prime}$
Same deluxe system as above but with 4 Criterion 25 A Speaker Systems for derived 4 -dimensional sound. Shpg. wi., 76 tbs. 99 P 92272WXM
.Net 258.95

## LAFAYETTE'S Finest Record/Playback Stereo Cassette Decks

## LAFAYETTE RK-760B Solid-State Stereo Cassette Tape Deck with Switchable Bias Equalizer

## LAFAYETTE RK. 040 OUCDOABSSSTEM Stereo Cassette Record/Playback Deck



- Special Low Impedance Stereo Amplifier For Private Headphone Monitoring
- STD/CrO2 Pushbutton Control - Illuminated Dual Channel Record Meter
- Automatic Shutoff At End of Tape In Play, Record, F.F., Rewind ModeBoth Electronically And Mechanically
- Sound With-Sound Mixing

Professional studio quallity Dolby System Stereo Record Playback Cassette Deck. For recording utilizes famous Dolby circcuitry for ing companies for master taping and other critical studio applications. Permits playback of pre-recorded Dolby system cassette tapes. features provisions for using advanced $\mathrm{CrO}_{\text {, tape }}$ tape. Connects into any standard amplifier or receiver tape input and output. Records and plays back 4 -track stereo and -track monaural. Also has special bullt-in headphene monitoring amplisifier for private of pushbutton controls-Record, Play. Stop, Rewind, Fast Forward. Pause, and Cassette. up. Record button incorporates salety. interlock. Separate dual.concentric front panel record level controls for microphone and external source. Front panel pushbuttons or $\mathrm{Std}^{\prime} \mathrm{CrO}_{2}$. Stereo.Mono, Dotby. Visual

Speed $17 /$ IPS, SPECIFICATIONS: 4 -pole hysteresis synchronous AC motor, AC biasing and erase frequency: 100 kHz . Playback output: 1 volt Frea. response: $40-13.000 \mathrm{~Hz}$. k . kH . Overal ration. 30 at 1 kHz input sensitivity. Mic, 1 mV ; Aux, 100 mV . Wow \& Flutter: $0.25 \%$. 3.digit tape counter 2 EET's 34 Transistors, and 21 Diodes. Handsome chrome and walnut side panels, brushed aluminum gold anodized front panel. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Slze: $113 / 4 \times 4^{3} \mathrm{~s}$ 113.4"D. Wt.. 17 lbs. 99 P 15984 W Net 179.95 Dynamic Mike. Wt., 1502 99 P46161 tandard 01 ......................t ea. 7.79 28 P 01223 Mn . Cassette Recording Tape 28 P 01223 Shpg. wt.f 4 oz....Net ea. . 9 .
$\mathrm{CrO}_{2} 60$ Minute cassette Recording Tane

- Automatic Shutoff in All Modes At End
The latest in the famous RK- 760 series.
with bold new styling and performance! Addwith bold new styling and performance! Added features include a front panel stereo headphone lack, powered by a bullt-in low. phone tevel switch on the rear panel. Also a switched $A C$ convenience outlet; less dis. tortion, wow, and flutter; wider frequency faster rewind/fast forward time: and an improved solid-state circuit utilizing 18 transistors and 12 diodes. Switchable Bias Equalization ("Standard 'Special") provides optimum performance from either standard cassettes or the new hagh-energy, low.noise tapes. Dual. concentric independent Mic and Input record level controls enable you to mix mikes, electric musical instruments. or other and create your own personal productions! and create your own personal productions! 7
jam.proof pushbutton tape function controls. Record, Play, Stop. Rewind. Fast Forward; Cassette.up; and Pause for fast, easy opera-

SPECIFICATIONS: 4-pole hysteresis synchro 95 kHz Playback output: 7 Erase Frequency 95 kHz . Playback output: 0.7 volt. Frequency 48 db . Harmonic Distortion: $25 \%$ at -3 db record level. Channel Separation: more than record level. Channel separation: more than auxiliary. Mike input sensitivity: 1 mv for 0 VU at 3.3 . ohms. Aux. Input Sensitivitv: 100 mV for 0 VU at 10 k ohms. Wow \& Flutter: hess than $0.25 \%$ rms. Outputs: 2-tape, min . Handsome chrost forward rime: $1 / 2$ ets, brushed aluminum gold anodized front
panel. For 105.120 vaC, 60 Hz . Size: $101 / \mathrm{W}$ panel. For $105 \cdot 120 \mathrm{VaC}, 60 \mathrm{~Hz}$. Size: $101 / \mathrm{Wz}$
$41 / 2 \mathrm{Hx} 105 \mathrm{~W}_{3} \mathrm{D}$. Imported. Shog wt 13 lbs 99 P 15885 W ...................... 124.95
Dynamic Mike. Imported. Shpge wt., 1502. 99 P 46161
Standard 60 Min . Cassette Recording Tape 28 P 01223 Shpg. wt., 402 . ......Net ea. . 99 ${ }_{\mathrm{CrO}}^{2} 20 \mathrm{Min}$. Cassette Recording Tape $\mathrm{CrO}_{2} 60 \mathrm{Min}$. Ca


Professional stereo cassette tape recorder with built-in solid-state stereo amplifier. Just add 2 speakers, and you will have a complete cassette recording and playback system. Features a STD/CrO, bias equalizer switch for choice of recording with either a standard cassette tape or the Improved chromlum-dioxide tapes ( $\mathrm{CrO}_{2}$ ). Dual concentric left and right channel microphone and input source record level controls permit sound-wlth-sound mising. Illuminated VU meters, front panel stereo headphone jack, push-button tape controls, pause button for cueing and editing, front panel left and right channel mike inputs, tape recorder output jacks, 3-digit tape counter with reset button. Records and plays back 4 -track stereo and 2 -track


Includes 2 Dynamic Mikes
monaural. AC convenience outlet on rear panel. SPECIFICATIONS: Power Output $\pm 1 \mathrm{db}, 20$ watts IHF. Freq, response: $50-11,000 \mathrm{~Hz}$. aC Bias, Erase frequency, $98 \mathrm{kHz} \mathrm{S} / \mathrm{N}$ Ratio, Better than 48 db . Overall distoftion. less than $2.5 \%$ at $0 . V U$. Channet separation. 35 db at 0 . VU. Ampllfier Input sensitivity, 250 mv (Aus, Phono. Tuner). Mike innut sensitivity, 1.25 mv for 0 -vU. Wow Flutter. less than $.25 \%$. Slize: $4 \% / 4 \times 110 \times 151 / 2^{\prime \prime}$ W. imported. For 117 VAC $/ 60 \mathrm{~Hz}$. Beautiful walnut grained case. Snpg. wt., 371/2 lbs.
99 P 15943 WX Model RK-52D No Money Down*.... Net 158.95 28 P 01223 Standard 60 min . Cassette Tape ...........Net 99

## CONCORD and TEAC Dolby Noise Reduction Units

CONCORD DBA-10 Dolby Tape Adapter


Only

$119^{85}$

- Lowers Noise-Provides An Extra 10db of Usable Dynamic Range
- 2 vu Record Meters
- Buitt-in Calibration Tone-Eliminates Need For External Calibration Tape

Reduces high frequency noise and hiss that plagues wide-range open reet, cassefte, and 8 -track recording at low speeds by $90 \%$. Can be added to any tape deck or any self-contained recorder with audio Inputs and outputs. Includes line inputs, calibration meter, and all controls necessary to Dolbylze Iapes. Specs: Input Impedance: 47 k ohms. Input Sensitivity: 30 mv . Outpui Voltage: 0.58 V (adjustable), Oulput Impedance: 5,000 ohms, Frequency Respanse: 20-20,000 Hz +0.50 b , Harmonic Oistortion: Less than $0.4 \%$. Noise Reduction: 8 db hi $5,000 \mathrm{~Hz}$. Sizes: $131 ヶ 231 / 2 \times 74 / 4^{\prime \prime H}$. 117 VAC, 60 Hz . Includes 4 patchcords. Imported.
27 P 35264W No Money Down *Wt., 53/4 lbs.
....Net 119.85

TEAC AN-60 Universal Dolby Noise Reduction Unit


## Only

8995

- Increased S/N Ratio- 10 db at $10,000 \mathrm{~Hz}$ - Dolby Reference Meter
- Calibration Tapes Supplied for Both Cassette and Open Reel Recorders
Easy-to-calibrate with built-in Dolby reference meter and tone msciltator. No additional equipment required. Dolby reference meter also provides a visual reference when used with tape decks not hiving VU meters. The Dolby System provides a $\$ / \mathrm{N}$ increase of 3 db at 600 Hz , rising to 50 b at 1 KHz , and 10 db at 4 KHz and above. specifica. tions: Freq. Response: 20-15 KHz $\pm 2 \mathrm{db}$ Increased S/N Ratlo: 10db at 10 KHz .5 db at 1 KHz . Input Sensitivity: 0.1 V ; Input Impedance: 35 k -ohms; Tape Out: 0.3 V ; Line Dut: 0.58 V : less than $0.5 \% \mathrm{HD}$; Channel Separationt $>50 \mathrm{db}$; Tone Oscillator: 400 Hz . For $117 \mathrm{AC}, 60$ Hz . Size $33 / \mathrm{HH} \times 6 \mathrm{~K}_{0} \mathrm{w} \times 10 \mathrm{~K}_{0}{ }^{=} \mathrm{D}$. Imported.
27 P 15134 W No Money Down*Shpg. wt., 4 \%/blbs. Net 69.95


# Deluxe <br> <br> LAFAYETTE RK86A Battery/AC <br> <br> LAFAYETTE RK86A Battery/AC Portable Cassette Tape Recorder 

 Portable Cassette Tape Recorder}

- Dual Battery/Record Level Indicator
- Separate Tone and Volume Controls
- Professional Recording System AC Bias, AC Erase
- Instant-On Solid-State Circuitry

Beautifully designed poriable cassette recorder of exceptional quas ity. One of the easiest recorders to operate. Features semi-slot tape loading and pushbutton controls. No reels to ithread. Operates on 4 "C" batteries for portable use, or on 117 VAC 60 Hz in the home or office. Utilizes professional AC bias and erase recording system for accurate and precise record and playback performance. Separate pushbuttons for record, play, rewind, fast forward, and stop/ Cassette-up. Safety interlock on record button prevents accidental
erasures. Auk. Input jack is provided for recording from external sources such as phono. TV set, or radiō tuner directly onto tape. Integrated carrying handle. Size $97 / 4 \times 73 / 8 \times 2540$. Impnrted. Shpg. wt., 5 lbs.
99 P 16073 L No Money Down* ..................................Net 44.95 60 MINUTE LAFAYETTE CASSETTE TAPE
28 P 01223 Shpg. wt. 4 oz.
99 P 62572 Extra "C ${ }^{\text {is }}$ batteries, 4 req...........................ea. 17

## LAFAYETTE RK-79 Battery/AC Portable Cassette Tape Recorder

- Instant-On Solid State Circuitry
- Automatic Level Control
- Separate Tone and Volume Controls - Pushbutton Controls


## $32^{95}$

Quality portable recorder for complete cassette enjoyment. Operates on 4 "C" oatteries for portable use, or on 117 VAC 60 Hz . In the home or office. Pushbutton controls fori Record, Play, Fast Forward, Re. wind, Stop/Eject. Record Salety-lock button, Earphone monitor. Re. cordings can be made live with a mike (included) or thru AUX. input from radlo. TV. phonograph, or telephone using a patch cord or tele. phone pick-up coll (not supplled). Automatic Record level (ALC) ellminates need to adjust volume during recordings sutomatically ad
justs to the proper record level from a soft whisper to a loud shout Oynamic speaker for fine tone. Size: $103 / 4 \mathrm{~L} \times 53 / 6 \mathrm{~W} \times 23 / 4 \mathrm{HH}$. Imported Shps. wt., 5 lbs 99 P16123L
Recorder Pateh Cord-imported. Shpg. wt., 5 oz
99 P 15174 $\qquad$ Net 32.95

Extra "C"
tteries- 4 required
99 P62572

# Includes Dynamic Microphone with remote control switch, 30 -minute cassette tape, $A C$ line cord, 4 " $C$ " batteries, and earphone. 

## Popular Price LAFAYETTE Cassette Recorders

LAFAYETTE RK-68 Battery/AC Solid-State Cassette Recorder


## $24^{95}$

With Remote Control Mike

Handsome betge and brown compact cassette recorder. Operates on 4 "C" batteries or 117 VAC with AC line cord (included). Plays and records up to 2 hours using a standard 120 -minute cassette. Start/ Slop switch on microphone allows for remote controt operation of the recorder. Dynamic speaker provides fine voice and music reproduction, Record safety Interlock button prevents accidental erasures.

- Instant-on Solid State Circuitry
- Record Safety Interlock Button
- Single Tape-Function Control for:

Record, Stod, Play, Fast Forward, Rewind

## LaFAYETTE RK-65 Portable Solid-State Cassette Recorder

So easy to usel Just snap in a cassette and you are ready to record or play. No tape to inread. Operates on 4 "C"' batteries (not Included) or 117 VAC house current with optional AC adapter. Instant-on solid state circuitry. Includes dynamic start-siop microphone for remote control operation. Blg $23 / 4^{\prime \prime}$ speather for excellent sound reproduction. input lack for earphone or extension speaker. Bullt-In integrated carrying handle. Slize: $9 L \times 53 \mathrm{~mW} \times 2 \mathrm{t} \mathrm{m}^{\prime \mathrm{H}}$. Imported. Shpg. wt., 342 Ibs. 99 P 15828 L

## Accessories for RK-65

99 P 35115 AC Adapter for RK-65. Shpg. wt. 6 oz.
Net 3.95
29 P 01223 Lafayett 60 minute Tape Cassette
Net ea $\quad .99$
99 P 62572 "C" Batteries, 4 Required Net ea. . 17

Prices and Specifications Suhiect to Change Without Notice


# Solid-State AM/FM Radio Cassette Recorders NEW! SANYO Stereocast Portable Cassette Recorders With Built-In Am/FM High Fidelity Radio 



SANYO Stereocast Cassette Recorders have Stereo Playback Heads, Stereo Preamps with Volume Controls for each channel and a Stereo Headphone output jack. Just plug in a standard stereo headphone with 8 -ohm impedance and listen to magnificent pre-recorded cassette stereo tapes.

Modet M4410-Wigh fidellty recording while listening to the bullt-in AM /FM radlo. Pushbutton operation. Operates on 4 batteries (not included of $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Automatic Record Level control. Stereocast leature 3 -position monitor switch. High-Low tone control. AM ferite and FM telescopic antennas Includes remole Start-Stop bar microphone, blank cassette recording tape, and AC line cord. Size: $11 / 4 \mathrm{~W} \times 30^{\circ} \times 8^{\prime \prime} \mathrm{H}$. Imported.
27 P 76029 L Shpg wt. 62/2 lbs. 99 P 02123

Model M4420-Built-In Condenser microphone. Direct recording from AM, FM radio. Continuous monitor for listening at any level while recording. Pause control. Cassette eject system. Battery condifion meter. Automatic shut-oH. Automatic Record Level control. Stereocast feature. Tone control. With blank cassette recording tape, AC line cord. Operates on $4^{~ " C} \mathrm{C}$ " batteries (not included) or $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: $111 / 2 \mathrm{~W} \times 31 / 2 \mathrm{D} \times 71 / z^{\prime N} \mathrm{H}$. Imported.

Net 79.95 27 P 760111 Shpg. wt., $71 / 2$ lbs.

Net ea. . 17 99 P 62572 "C" Batteries ( 4 required) Net 630
99 P 02123

## NEW: HITACHI TRK- 1260 Battery/AC <br> AM/FM Cassette Recorder with Auto-Alarm Stop

Automatic slop at end of tape with On/Off alarm switeh. Built-in condenser microphone. Automatic Radio/Tape Re corder start or automatic radio shutoff at a preset time with optional ET-10 12 -Hour Timer (see listing below). Di. rect recording from AM or FM radio. Automatic Levermatic recording system. Camera-type film tuning system. 3-digit rape counter. Large-scale VU record level, battery indicator meter. Pushbutton controls with locking fast forwaid and rewind buttons Sound mixing. Monitor switch. Opezates rewind buttons. Sound mix O " O " 60 Hz . Includes batteries, earphone, and blank cassette recording tape. Size: $111 / 4 \mathrm{~W} x$ $84 / \mathrm{H} \times 3 \mathrm{H} \mathrm{n}^{*} \mathrm{D}$. Imported.
27 P 23138 L Shpg. wt., 9 lbs. ....................Net 89.95 ET-10 12-Hour Automatic Timer. Shpg. wt., 1 ib. 27 P 23146 Extra "D............................................. 12.95
99 P 62564 ea. 19

Net 12.95

## NEW! JVC 9245 Battery/AC AM/FM Radio Cassette Recorder with 2 Speaker System

[^7]

## Portable Solid-State Cassette Tape Recorders

NEW! Hitachi TRQ-257 Portable
Battery/ Electric Cassette Recorder - nowore om. $49^{95}$ With Remote Control Microphone, Earphone, 30 Minute Blank Cassette, and Batteries

- Automatic Record Level Control

Auto stop system automatically stops motor at the end of the tape. Auto alarm automatically sounds a built. in buzzer when the tape end is reached. All pushbutton operation: Stop, Play, Record, Rewind, Fast Forward, Cassette eject. Operates on 4 " C " batteries or 117 VAC, 60 Hz . Automatic Record level signal intensity equalizer. Slide out
 Imported.
27 P 23112 L
Net 49.95
99 P 62572 Extra "C" batteries. 4 rea. Net ea. 17
28 P 01223 Lafayette 60 Minute Tape Cassette ........Net . 99
NEW! SANYO M-4210 Battery/AC Stereocast Portable Cassette Recorder
$59^{95}$
No Money
0own*
 Satures Stereo Playback Head,
Stereo Preamps with Volume Controts for
Each Channel, and a Stereo Output Jack
Any pair of standard stereo headphones with 8 .ohm impedance can be plurged into the M4210 and you can listen to precorded sfereo cassette tapes. Also features built-in condenser mircrophone with pause control, pushbutton operation, automatic recoraing control, record indicator light, battery condition meter; 4 inch speaker, and cassette ejection system. Operates on $4{ }^{\text {" }} \mathrm{C}$ " batteries (not included) or 117 VAC 60 Mz . Includes blank cassette tape and AC line cord. Size: $101 / 4 \mathrm{~W} \times 21 / 2 \mathrm{H} \times 6^{\circ} \mathrm{D}$. Imported. Shps. wt.. 5 lbs .
27 P 760031
99 P 62572 "c C " batteries for M4210 - 4 req......... Net 59.95
99 P $62572{ }^{\circ} \mathrm{C}$ " batteries for M4210-4 req. .Net ea. . 17 LAFAYETTE SP22 STEREO HEADPHONES. Shpg. wt., it tb. 99 P 02123
.Net ea. 6.30

SONY/SUPERSCOPE TC-60 Portable Battery/Electric Cassette Recorder

## $59^{95}$ No Money 00 m ${ }^{*}$

 With Remote Control Microphone, 4 "C" Batteries, Carrying and Blank Cassette

- Sonymatic Recording Control
- Locking Fast Forward and Rewind Buttons

Popular priced casselte tape recorder with famous Sony performance and dependability. Operates on $4{ }^{\text {" }} \mathrm{C}$ " cell batteries (included) or 117 VAC. Pushbutton operation. Locking fast-forward and rewind buttons. Sonymatic automatic recording control. Separate tone and volume controls. Record safety interlocif button, Solid-state circuitry. 7 transistors, 3 diodes, $21 / 2^{*}$ dynamic speaker. Size: $51 / 4 \times 2 \% \times 93 / 4^{\omega}$. Imported. Shpg. wt., $51 / 2$ lbs
27 P 60635 L No Money Down*
NEW! Deluxe Hitachi TRQ-298 Battery/AC Cassette Recorder


## - Built-in Condenser Mike

- VU Record Level/ Battery Indicator Motor
- Includes External Mike with Remote Control Switch,

Carrying Case, Batteries, Earphone, and Blank Cassette
Alf the conveniences and features you need for enjoyable and satisfying cassette recording and playbach. Automatically shuts off the motor and sounds a buzzer at end of tape. High.sensltivity condenser microphone bullt into recorder. Also includes separate remote controf mike. Convenient 3-digit tape counter. Pushbutton controls with loching fast forward and rewind. Automatic level control. Variable tone control. 4 Inch speaker. Solid-State IC Circultry operates on 4 "C" batteries of $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: $75 \% \mathrm{D} \times 97 / \mathrm{WW} \times 2 \% / \mathrm{H}$. Imported. Shpg. wi., 6 lbs.
27 P 23104 L
99 P 62572 Extra "C" batteries-4 rea. ....................Net ear 79.95

## Deluxe Portable and Miniature Solid-State Cassette Recorders



Model TC-45. Features Bullt-In Condenser Microphone. Automatic Shut-Off Dual Dilferential-Balanced Flywheels, three-digit Tape Counter, Servo-Control Motor, Record Level/Battery Strength Indicator, and Sonymatic Recording Control. Optional Rechargeable Nichel-Cadmium Battery Pack/AC Power Supply is ayallable. (See listing below.) Supplied with earphone, patch cord, batieries, carming case, and blanh cassette. Size: $2 W \times 74 / 4 \mathrm{H} \times 43 . \mathrm{b}^{\prime 2}$. Imported. 27 P 60676 L shpg. wt., 3 lbs.

Net 119.95 Model TC.55. Sub-miniature recorder with all features and same accessories of the TC-45, plus Sonymatic Recording Control with Speed, Music selector switch and ali-pushbution operation. Size: $11 / 2 \mathrm{w} \times 57 / \mathrm{H} \times 37 / \mathrm{m}^{-D}$.
27 P 60684 L Shpg. wt., $21 / 2 \mathrm{lbs}$.
Accessories for TC-45 and TC-55
AK-3 AC Power Supply/Rechargeable Nickel Cadmium Battery Pack. Imported 27 P 60692 Shpp. wi., I It.
99 P 62580 Extra "AA" Battertes- 4 rea.
$\begin{array}{lr}\text { Net ea. } & .10\end{array}$
28 P 01223 Lafayette 60 min . Blank Cassefte

## NEW! HTTACHI TRQ-21

Ultra-Mini Cassette Recorder
with Builf-in Condenser Microphone

## $99^{95}$

with AC Adapter remote contro microphone, earphone, 60 minute cassette tape, extension cord, batteries and carrying case

- Automatic Record Signal Intensity


## Equalizer



Only $3 \%$ w $\times 51 / 2 \mathrm{H} \times 13 /{ }^{n} \mathrm{D}$ in size! High performance from Solid-State IC circultry. Built-in Condenser Microphone provides effortless high sensitivity recording. Fast Forward and Rewind Lever facilitates recording? playback operation. Play Stop lever. Transistor-controlled Motor. Automatic Record Signal Intensity Equalizer. Monitor jack. Operates on 4. "A"' batteries, included, or 117 VAC with AC adapter, also included. Imported. Shpg. wt $11 / 2$ tos
27 P 23120 L No Money Down ${ }^{2} 99.95$ 99 P 62580 Exira Batteries ( 4 req.) Net ea. .10 28 P 01223 Lalayette 60 Min. Blank Ca5. Net .99

## SHARP RD-428U Pocket Portable Cassette Tape Recorder



Deluxe SONY/Superscope 110A Battery/AC Cassette-Corder

## $69^{95}$

4 "AA" Batteries, Nickel Cadmium Battery Pack, AC Adapter, Remote Control Cord. Blank Cassette

- Built-in Condenser Mike
- Battery/Level Meter
- Automatic Level Control


Small enough to fit into your jacket pocket, this deluxe solid-state recorder teatures advanced integrated circultry. Buitt-in condenser mike for quick, easy recording. Automatic Level Control for uniform recording at every sound level. "One-touch" pushbutton conirols Remote control cord for convenient start, stop operation. $2^{1 / 4^{\prime \prime}} \mathrm{dy}$ Ramic speaker. Electronic governor controlled DC motor. Battery, level meter. Earphone jach. Speed: $17 / 8$. Includes nickel cadmium battery pack, 4 "AA" batteries, and AC adapter. Imported, Size: 6 VAx

27 F22015L No Money Down* Shpg. wt., $2 \frac{1 / 4}{4}$ lbs. Net 69.95
99 P 62580 Extra "AA" Batteries- 4 rea. Net ea. 10 28 P 01223 Lafayette 60 min . Blank Cassette

## ${ }^{122^{95}}$

Remote Control Microphone, Carpying Case. Earphone. Patch Cord. $4{ }^{\text {"C }} \mathrm{C}$ " Bat terles. 1 Blank Cassette


- Record Level/Battery Strength Indicator
- Built-in Condenser Microphone
- Digital Tape Counter
mproved version of Sony's best selling Modet 110. Has a bullt-in condenser microphone. Also, is handy for dictation purposes, since it includes a remote startistop microphone. A Back-Space heview it includes a remote startiscounter make it easy to transcribe cassettes. Features locking fast-forward and rewind buttons, Sonymatic Recording Level, separate tone and volume controls, extended range speaker, and bulit-in recharging circult for optional BP.9 Nickel Cadmium Battery Pack. Tape Speed $17 / 8$ IPS. Size: $53 / 4 \times 21 / 2 x 92 / 2^{\prime \prime} \mathrm{U}$. Imported.
27 P $60643 L$ Shpg, wt., 5 Ibs. No Mpney Down* Net 129.95
BP-9 Nickel Cadmium Rechargeable Battery Pack. Wt., 1 lb .
27 P 60221


# Solid-State Portable Stereo Cassette Recorders 

HITACHI TRQ-232 Portable Battery/Electric 4-Track Stereo Cassette Recorder


# $109^{95}$ 

No Money Down ${ }^{*}$

INCLUDING 1 Cynamic Mike With Remote control Switch, Demo Tape, AC Power Cord.

- Operates on 6 "D" Batteries or 117 VAC House Current
- Detachable Swing Dut Speakers
- Large Twin VU Record Level Meters
- Separate Slide Controls For Volume And Tone
- Instant-on Solid State Circuitry

NEW! Sharp RS-433V Portable AM/FM Stereo Cassette Recorder


- Includes 2 microphones with stands. cassette tape, batteries, and AC line cord

Swings open like a book to provide vibrant and clear separation. Operates on 8 " $D$ " batteries (included) or 117 VAC 60 Hz . Push. button controls. Record VU level/battery in. dicator meter. Acoustically matched 5 . speakers. Sound monitoring facilitles. Solid. state IC circuitry. Tuned RF amplifier for improved FM selectivity and sensitivlty. Built in AM and telescopic FM antennas. AFC for drift free FM. Size each section: $131 / 3 \mathrm{w}$ x $101 / \mathrm{hH} \times 342^{\circ} 0$. Shpg. wt., 15 lbs . Imported. UL Listed.
27 P 22023 W ...............Net 149.95

Enjoy convenient stereo recording and playback anywhere-indoors or outdoors. Operates on 11760 Hz , AC. house current, or on standard " 0 " type batteries (not included). Two wing-out extension cabinets each contain a $5^{\circ}$ speaker for excellent stereo sound remoduction and separation. Features "Levelmatic" (automatic record level control). Also has: speaker ON/OFF monitor switch; pushbutton cassette controls; two record level VU meters and remote control jack. Frequency Response: 100 to $10,000 \mathrm{Mz}$. Size: $11 \mathrm{x} 61 / 2$ x $83 / 4^{\circ}$. Imported. Shpg. wt., 141/2 lbs.

## 27 P $23070 W$

99 P $62564{ }^{\text {cid }} \mathrm{D}$ Batteries for above ( 6 req.) Wt. 5 oz. ea.
Net 109.95
28 P 0122360 Minute Blank Cassette Tape
Netea. . 19

## Solid-State Stereo Record/Playback Cassette Decks

NEW! HITACHI TRO-242 Stereo Cassette Tape Deck


- 2 Record VU Level Meters
- 3 Digit Tape Counter
- Contemporary Styled Walnut Cabinet


# $99^{95}$ 

2 Microphones and Connecting Cable

## All pushbutton operation with solid-state stereo preamplifiers. Plugs

 into your stereo amplifier or receiver. Front panel left and right channel microphone input jacks. 3-digit tape counter. Dual channel VU record level meter. Separate left and right chamnel volume con. trols. 6 -pushbutton controls: Cassette eject. record, play, stop, rewind, $F$. forward. Frequency response $40.12,000 \mathrm{~Hz}^{\text {. Signal to. Noise }}$ Ratio better than 45 db . Inputs: 2 mike ॥impedance: 2 K ohms. Sutputs 2 line. Size: $7 \% \mathrm{w} \times 3 \mathrm{KaH} \times 101 \mathrm{~K}_{0}-0$. For 117 VAC 60 Hz . imported. Shpg. wt., 8 lbs.27 P 23153 W No Money Down *

- 2 Record VU Level Meters
- 3 Digit Tape Counter
$149^{95}$
- Pause Control for Editing
- Lockable Fast Forward and Rewind Buttons

Record and playback stereo or mono cassette tapes through your home music system with this quality stereo tape deck. Features Sonymatic automatic galn control with a manual record defeat complete with limiter circuit. Includes 7 pushbutton controls: elect. fast forward, stop, play rewind, record, and pause for editing. 2 Vu record level meters, stereo headphone jack variable tine output. Specifications: Frea. Response: $30 \cdot 12,000 \mathrm{~Hz}, \mathrm{~S} / \mathrm{N}$ Ratio: 49 db . Inputs: 2 mike, 2 Aux. Outputs 2 line, 1 headphone, mike input impedance 600 ohms. Size: $153 / 4 \times 37 / 8 \times 8 / \mathrm{m}^{\prime \prime}$. Less microphone. For 117 VAC 60 Hz . Imported. Shpg. wt, 12 lbs.

# Solid-State Stereo Cassette Decks with beab waise Solir-State Stereo Cassette Uecks with hameations ster 

## HITACHI TRQ-2000 Stereo Cassette Deck with Dolby Noise Reduction System

## SONY/SUPERSCOPE TC-134SD Stereo Dolby Cassette Deck



$199^{95}$

- 2 VU Record Level Meters
- 3-Digit Tape Counter
- Walnut Wood Cabinet

Solid-state stereo cassette deck with bullt-In Dolby noise reduction system that eliminates tape noise and hiss in stereo recording and playback. Tape selector switch for standard or low-noise, chromium dioxide tapes. Auto-stop feature stops tape and resets transport to neutral position when end of tape is reached in any operation mode. Pushbutton tape function controls. Slide-lever volume controls. Stereo headphone jack for private listening. 4-pole hysteresis synchronous motor Frea response: $20-16,000 \mathrm{~Hz}$. Wow \& Flutter: Less than $0.12 \%$ S/N rallo: more than 50 db (with Dolby). Inputs: 2 Mike ( 10 h ohms), 2 Aux ( 100 k ohms). Oulputs: 2 ( 600 ohms ). headphones ( 8 ohms). With connecting cables and walnut wood cabinet. Size: $17 \% / 4 \mathrm{~W}: 3 \% \mathrm{GH} \times 9 \%{ }^{\circ} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg. wt., 12 lbs.

27 P 2316 iw No Money Down*
Net 199.95

## Professional TEAC 350 Stereo Dolby Cassette Tape Deck



## $289{ }^{95}$

- Dolby Noise Reduction System
- 4 Linear Record Level/Output Controls
- Expanded Scale VU-Meters
- Peak Recording Level Indicator

The Teac 350 stereo cassefte deck incorporates the Dolby system for both record and olavback functions. Developed specifically for home lape recording, it dramatically reduces inherent noise and hiss in the recording process without altering the musical integrity of the recorded signal. The 350 utilizes a MIC/Line selector switch. When recording from a tuner or aux source, the signal is fed direclly to the Dolby circuitry, bypassing the mike preamplifiers. Oulstanding features: Unique peak recording level indicator. expanded scale vu. meters, automatic end sensor/automatic shut-off mechanism. 4 linear record level/output controls, hysteresis synchronous outer rotor motor, 4 -diglt tape counter, and complete compatability for conventionai, high density. nlah energy, or Crolyn tapes. SPECIFICA TIONS: Wow and Flutter $0.13 \%$. Freq. response $30.13 .000 \mathrm{~Hz}+3 \mathrm{db}$ measured at -20 db . Sipnal-to-filse Ratio 50 db . 58 db (wlih Dolby pracess). Inouts-mike: 600 ohms, line 0.1 V . Out out 0.3 V . For 117 VAC . 60 Hz Walnut wood base. Size: $43 \mathrm{aH} \times 16{ }^{\prime} \mathrm{K}, \mathrm{W} \times 97 \mathrm{~m}^{\prime \prime} \mathrm{D}$. Import.

## vac. 60 Hz . Walnut w ed. Shpg. wt.i. 14 lbs . <br> 27 P 15100 W NO

## $329^{95}$

- 3 Motors Provide Fast Forward/Rewind and Precise Record/Playback
- Hot-Pressed Ferrite Heads
- Microphone Preamplifiers

Tandberg's finest stereo record/playback cassefte deck incorporates the Dolby noise reduction system that effectively reduces relative tape noise by about 100 b . Hot-pressed ferrite heads resist wear and provide supert frequency response. Precision hysteresis synchronous drive motor for stable recording/playback, and two DC motors for extra-fast rewind/last forward. Molors stop and pinch-rollers disen. gage cassette automatically at end of tape. 2 Illuminated peak.read ing equalized vu/db record level meters. Tape selector switch ad jusis equalization. bias, and erase current for using chromium dioxide tapes. Electronic controls with Pause and Eiect bultons. 3 . digit tape counter with reset. Slide-lever input/output level controls. For horizontal or vertical use. Freq. resp.: 50.12 kHz . Tape speed tolerance $+1 \%$ Wow: $0.15 \% \mathrm{~S} / \mathrm{N}$ ratio (Normal): Low.noise 50 db , tolerance ( 63 with Dolby) Inputs. 2.Mic ( 700 ohms) 0.1 mv ? $\mathrm{CrO}, 54 \mathrm{db}$ ( 63 db with Dolby) Inpuls: 2.Mic ( 100 onms) 12 mV , 2 Line $(100 \mathrm{k}) 40 \mathrm{mV}$. Output: 0.775 V . Size:
117 VAC .60 Hz . Imported. Shps. wI., 16 lbs .
27 P $67127 W$ No Money Down ${ }^{\circ}$
Net 329.95

# Stereo Cassette Players and Recorders for the Car 



- Compact-Only $51 / 6 \mathrm{~W} \times 2 \mathrm{H} \times 71 / 4$ "D
- Automatic Reverse in Both Directions
- Solid-State IC Circuitry

The KP. 333 is so compact. only $51 / 0 \mathrm{~W} \times 2 \mathrm{H} \times 71 / 4 \sim \mathrm{D}$. It can be instalued in the glove compartment of most cars. Operates on 12 volit negative ground systems. Provides continuous play of stereo cassette tapes in both directions. Features solid-siate IC circuitry-Power output 7.6 watts RMS 13.8 watts per channel). Separate controls outtone, balance and volume. Cassette eject bution. Illuminated tape
direction lights. Manual direction changer. Spaker lmpetance 4 . direction lights. Manual direction changer. Speaker lmpedance 4.8
ohms. Imported. Shpg. wt., 5 lbs. 17 PB5013W No Money Down
.Net 69.95
Pair of two $3 \times 5^{\text {n }}$ Matehing Speaker Systems
99 P 62994 shpg. wt.. $21 / 2$ lbs
Net 6.95

## HITACHI TRQ-206 CAR/PORTABLE CASSETTE PLAYER/RECORDER



- 3-Way Operation-AC, Battery, or Car Battery

Includes Mounting BrackEf with lock and Key, Connecting Cable, Remote control Mícrophone, Power Cord, Demonstration Tape.

- Stereo Playback in the Car and Home Using Optional Speakers
- Monaural Record/Playback

Sensational and versatile cassete tape system. Features special bracket for auto mounting with lock and key included for 12 volt OC Neg. ground systems. Removable for use as a Dortable with its own batteries (operates on $8{ }^{\text {" }} \mathrm{C}$ " Cells not included)- $O$ operates In the home on 117 VAC 60 Hz . Built-in wide-range speaker. Semi. slot tape loading. Automatic stop and eject. Fast Forward and rewind. Separate Fone and balance controls. External speaker jacks for stereo. Size $94 / 2 \times 34 / 4 \times 101 / 2^{\prime \prime}$. Imported. Shag. Wt., $131 / 2 \mathrm{fbs}$. 27 P 23054 W No Money Down*

Net 109.95 Deluxe Set of 2 Rear Dech Matched Speaker Systems. Jmported. 99 P 62986 Shpg. wi., 3 lbs. Imported 99 P 62572 " C " Eatteries-8 Req. Wt. 1 ib...............Net 10.95

SANYO FT-463 AUTOMATIC REVERSE CAR CASSETTE STEREO TAPE PLAYER NEW!


## $99^{95}$

less speakers

- Continuous Playback
- Automatic Reverse in Either Direction
- Fast Forward and Rewind Controls

Automatic reverse-continuous play of pre-recorded stereo casselt. tapes. Also features pushbution manual reverse. Powerful 25.wat solid-state amplifier provides full fidelity sound. Separate slide rever controls for volume. tone, and balance. Manual eject at any point in the tape. tighted tape direction indicators. For 12 -volt negative ground systems. Includes all mounting hardware for easy under-dast installation. Speaker impedance: 4 and 8 chms. Sire: $71 / 4 \mathrm{~W}$ a $3 \mathrm{H} / 4 \mathrm{H}$
$\times 94 / 20 \mathrm{D}$. Imported.
17 P 59125 W .
17 P 59125 W No Money Down*. Shpg. wt., B lbs. Net 99.95 Deluxe Set of 2 Rear Deck Matched Speaker Systems
99 P 62986 Shpg


## SANYO FT-433 AM/FM STEREO CAR CASSETTE PLAYER / RECORDER NEW!

159
Includes Microphone With Remote Start/Stop Switch

- Automatic Stop at End of Tape
- Separate Balance, Volume, and Tone Controls
- FM Stereo Indicator Light

The ultimate In a car stereo unit. Bult-in AM/FM/FM Stereo radio with a high fidelity stereo recording and playback tape deck. Cas. sette Recorder features a unique cueing system with a pause pushbutton which starts and stops the tape instantaneously. Fast forward and rewind lever. Sensitive AM/FM Stereo Radio has cylindrical tun. ing. Power output 25 watts. Speaker impedance 4 \& 8 ohms. For 12 . volt negative ground systems. Includes mounting bracket and hardware. Sire: $9 \times 84 \times 3 \mathrm{~m}$. Imported.
17 P 59133 W No Money Down*. Shpg wt., 9 lbs. Net 159.95
Deluxe Set of 2 Rear Deck Matched Speaker Systems
99 P 62986 Shpg. Wt., 3 tbs

## NEW: AKAl Portable Video Tape Recorder Systems

## Model VTS-100S Solid State 1/4" Video Tape Recorder System

Better than movies! Provides Instant Replay? Complete system Includes video lape recorder using $1 / a^{\circ}$ video tape featuring crystal ferrite video heads; $\mathbf{3 n}^{m}$ Delachable video Monitor for on the spot playback; Vldeo Monitor for with bullt-in milhe and Tape Indicator lamp. This indicator lamp cuts off when video tape comes to the end or is accidental. ty broken. System also includes 1 video tape, 1 video take-up reel, batteries for portable use and $A C$ power pack and charger. The vis-loos is lightweight. Can be taken with you anywhere. Special leatures Includes: Automatic audio video recording level control, remote control facilities on camera, lens 10 to 40 mm for wide angle and telephoto, pushbutton control panel, micro splitimage for quick and easy focusing, index counter, and automatic shut off. Size of recorder is $10^{\prime \prime} \times 4.4^{*} \times 10.3^{\prime \prime}$. System operates on 2 rechargeable 6 V batteries (included) or 117 VAC 60 Hz . Imported. Shpg. wt. 27 tbs. 27 P 56054 XY Net $1,295.00$ Madel VTS 1100X System. Same as VIS-100S except has $6: 1200 \mathrm{~m}$ lens ( 9 to 54 mm ), sound dub and video input for external recording direct from external iv set. Imported. Shpg wt. 28 lbs. 27 P $56062 \times Y$

Net 1,595.00
Tape for VTS 1100 X and VTS-100S $1,100 \mathrm{ft}$. of $1 / \mathrm{a}$ Video Recording Tape. Shpg. wt., 1 lb .

Net 8.50



Quality CCTV camera has unllmited appilcations in industry, business, education, institutions, and the home. Sophisticated solid-state clrcultry has very low power consumption. Lishtwelght and compact design permits inconspicuous mounting. Built-in $25 \mathrm{~mm} \mathbf{F} / 1.8$ lens. Specifications: Scanning - Random interlace 525 lines/frame; Scanning frames $25 / 30$ frames/second; Synchronizing waveform: Internal and is adjustable; Image tube type: $2 / 3$ Inch vidicon 20 PE11. WIII accept separate mesh 20PE13 vidicon; Resolution: Horizontal 550 Inch vidicon at picture center, Veritical 350 lines; Video Output: Composite, 1.4 volts peah to peah Ifnes at Dicture center, Verical 350 lites; RF output: 30 Mv (standard); RF resolution: 350 lines at picture center; $R$ R output impedance: 75 ohms unbalanced; RF modulation 75 to $90 \%$ (variable). For 117 V $50 / 60 \mathrm{~Hz}$. PL 259 connectors required; single " $C$ " lens mount. Approved
 44 P $31003 W$

Net 214.95
SCANNER with PAN HEAD, Camera Adapter and Wall Mount: 1 sweep/min. Scanning angles $30 \cdot 60 \cdot 90 \cdot 120^{\circ}$. Imported. ShPg. wi., 10 lbs.
44 P 31011 W

- For Sales Promotion, Security and Surveillance
- Deluxe 2/3"Vidicon TV Camera with 25 mm Lens
- FET Preamplifier
- Fully Transistorized Circuitry
- Video-RF Selector Switch
- Use with Any Home TV Set or Commercial Monitor


## Solid-State 2-Channel Reel-to-Reel Stereo Tape Decks

NEW! JVC RD-1695 3-SPEED STEREQ
RECORD/PLAYBACK TAPE DECK


# $159^{95}$ 

- 3-Speeds: $71 / 2,33 / 4$, and $17 / 2 \mathrm{ips}$
- Built-In Sound-on-Sound
- 4-Digit Tape Counter

Fine performing 4 -track 2 -channel stereo tape deck with built-in solid-state IC stereo preamplifiers. Features sound-on-sound and sound-with-sound. 2 large vu level meters. Front panel mike and headphone jacks. Special tape selector switch for standard or low. noise high-output tapes. Pause control for editing or cueing. Separate slide-levar volume controls. Single tape function controi knob. Handsome walnut wood cabinet. Freq. resp.: Low-hoise tape $30-18$ kHz , high-output tape $30-16 \mathrm{kHz}$. $\mathrm{S} / \mathrm{N}$ ratio: 52 db . Inputs: 2 mike ( 1 mp . 10k ohm), 2 Aux. Dutputs: 2 Line ( $0-1.0 \mathrm{~V}$ ). With $)^{\prime \prime}$ take-up

27 P 78017W No Money Down*
Net 159.95

NEW!
DELUXE AKAI 40000 3-HEAD STEREO RECORD/PLAYBACK TAPE DECK


$229^{95}$

- One-Micron Gap Recording and Playback Heads plus Erase Head
- All-Silicon Transistorized Stereo Preamp

Superb performing 3 -head stereo record/playback lape deck with 4 mixing inputs, all-silicon transistorized preamplifier to minimize hiss, enlarged vu meters and Tape/Source Monitor switch. Features one-micron gap heads for excellent frequency eharacteristics, even at low speed. 2 -speeds, $71 / 2$ and $33 / 4 \mathrm{lps}$. Automatic shut-off system and instant-stop Pause control for editing or cueing. Equalization
selector switch. Sound-with-sound recording selector switch. Sound-with-sound recording. 3-digit tape counter with reset. Automatic tape lifters protect heads during fast forward and rewind. Front panel mike jacks and stereo headohone jack. Accepts up to $7^{\prime \prime}$ reels. Freq. resp.: $30-22 \mathrm{kHz} \pm 3 \mathrm{db} \quad \overline{1 / 7} 7 / 2 \mathrm{ips}$. $\mathrm{S} / \mathrm{N}$ ratio: better than 50 db input Sensitivity: Mic 0.5 mV , Líne 50 mV . Output Level: 123 VRMS 510 VU . Olled walnut wood cabinet. Size: $12 \% \times 157 / 2 \times 74 y^{\prime \prime} \mathrm{D}$. Universal voltage selector ( 100 to 240 VAC , $50 / 60 \mathrm{~Hz}$. Imported. Shpg. wt., 27 lbs.
27 P 56039 N No Money Down
Net 229.95

NEW!

## SONY/SUPERSCOPE TC-3530 3-HEAD 3-SPEED STEREO RECORD/PLAYBACKTAPE DECK



- Mike and Line Mixing
- Tape/Source Monitor Switch
- Dual VU Record Level Meter

3-head design plus the added flexibility of a record equalization selector swifch provides optimum performance with either standard or low-noise, high-output tapes. Features butit-in solid-state stereo preamps. Automatic shut-off. 3-speeds : 71/2, 33/4, and $1 \%$ ips. Front panel mike jacks. Stereo headphone jack. Freq. resp. (Std, tape): $30-$ $20 \mathrm{kHz} \pm 3 \mathrm{db}$ (it $71 / 2 \mathrm{ips}$. S/N Ratio (Std. tape): 52 db . Inputs: 2 mike (low Wp., see listing below) and 2 Aux. Outputs: 2 line ( 0.775 V Size: $153 \mathrm{HW} x 7 \% 0 \mathrm{~m}$. reel, 2 patch cords. Walnut wood cabinet. Size: $153_{n} W \times 7 \% 0 \times 133 / \mathrm{H}$. For $120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. 27 P 60650 W Shpg. wt., 16 ibs., 9 oz...............Net 219.95

27 P 60379 F-98 Mike for above. Shpg. wt., 1 ib ...Net ea. 10.95 | 27 P 60379 F-98 Mike for above., Shpg. wt., 1 ib.........Net 219.95 |
| :--- |
| 27 |

## PROFESSIONAL TEAC A1230 3-HEAD STEREO RECORO/PLAYBACK TAPE DECK



$359^{95}$
Walnut Side Panels High/Normal Record Bias Switch
Dual Speed Hysteresis-Synchronous Motor - Built-In Mike and Line Mixer

Professional 2 channel record/playback stereo tape deck with many outstanding features: dual record bias position switch, front panel cueing, bufit-in mike and line system, Edi-Q system for edling and cueing. buitt-in mike and line mixer, dual speed hysteresis-synchronous capstan motor, 4-digit tape counter with reset button and reel table heirht adjustment. Specifications: Tape speed $71 / 2$ IPS, $37 / 4$ IPS. Three, 4 track. 2 channel, stereo or monaural; erase, record and playback heads. Signal-to-noise ratio. 50db. Frequency response at 742 ips is 30.22 kHz . at $33 / 4$ ips is 30.16 kHz . Output: 0.3 V , for load Impedance of 10 K ohms or more. Input; Mike-10K ohmis. 0.3 MV minimum, Line-100K ohms, 0.1 V minimum. For 100 to 240 VAC , $50 / 60 \mathrm{~Hz}$. Size: $144 \mathrm{H} \times 17 \mathrm{~K}, \mathrm{~W} \times 8^{\circ} \mathrm{O}$. Imported.
27 P $15068 W X$ Shpg. wt., 483/4 lbs. No Money Down . ..Net 359.95 Model A1250-Same Specs and Features as above but includes Auto-
matic Reverse. Shpg. wt. 50 lbs.
matic Reverse. Shpg. Wt., 50 lbs .
27 P 15076 WX No Money Down*
Net 459.95
${ }^{\circ}$ Sec Page 23 for Full Details on Easy Pau Plan

## 2 and 4-Channel Reel Stereo Record/Playback Tape Decks



- 4-Channel Record and Playback
- 4 Solid State Stereo Preamplifiers

Versatile 2-speed 4-Channel tape deck that allows you to record and playback the very latest 4 -channel tapes. Connects to your 4 channel amplifier or receiver. Completely compatible-just flick a switch and you can record and playback regular 2 -channel tapes. Features 4 individual VU record level meters, 4-diglt tape counter with reset button, four front panel mike input jacks, Pause position for editing and cueing, Automatic Stop, 4 individual record level controls, retracting pinch roller, and a handsome walnut wood base. 2-Speeds: $71 / 2$ and $34 / 4$ IPS. Freq. Resp.i $30-19 \mathrm{kHz}$ GT $74 / 2$ IPS. Wow Flutter: $0.07 \%$ 而 $71 / 2$ IPS. S./N Ratio: $53 \mathrm{db} / \mathrm{fi} 71 / 2$ IPS. Line outputs $i$ V. 4 Aux. inputs. 4 pape outputs size: $12 \% \mathrm{H} \times 15 \% \mathrm{~W} \times$ outputs 1 V .4 Aux . inputs. 4 iape outpuis sire: 12 mh
$67 \mathrm{~m}^{\circ} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{Mz}$. Imported. Shps. wt., 21 lbs .
27 P $78025 W^{\prime}$ No Money Down*

AKAI Model 1730-SSD $349^{95}$<br>With<br>4-Channel Demo Tape, 7" Takeup Reel, Connecting cables



- 4 Channel Stereo Record/Playback - 4 Solid-State Stereo Preamplifiers

Fine performing reel to reel tape deck has complete facillies onr 4 -track 4 and 2 -channel stereo recording and playback. Connects to any 4 -channel stereo receiver or amplifier with tape input or output Jacks. Features: 4 heads-record/playback and two erase; Automatic shut-off control-the power of the entire unit is shut off when tape comes to the end or Is broken; Front and rear headphone jacks; 2 twin Vu meters; Pause contral for editing; 4 -digit index counter with reset button; and universal voltage selector. Specifications: Tape speed-7 $1 / 2 \mathrm{E}$ : 33 IPS. Frequency response- 30 to $22,000 \mathrm{~Hz}$. S/M Ratio- 50 db . Recording Blas Frequency- 100 K Hz .4 -mic Input jacks: $0.4 \mathrm{mV} / 30 \mathrm{~K}$. 4 -line input jacks $-40 \mathrm{mV} / 100 \mathrm{~K}$. Hysteresis synchronous 2 -speed motor. For 100 to 240 VAC, $50 / 60 \mathrm{~Hz}$. Size: $161 / 2 \times 18$ x91/2". Imported. Shpg. wt., 44 Ibs. 27 P 56005 WX No Money Down*

Net 349.95

## 2.CHANNEL STEREO REEL-TO-REEL TAPE RECORDERS

## NEW! SHARP RD-708 4-TRACK SOLID-STATE STEREO TAPE RECORDER



## NEW! AKAI 1721W 4-TRACK 3-SPEED SOLID-STATE STEREO TAPE RECORDER



## $269^{95}$ <br> No Money Down*

- Two Built-In $5 \times 7^{\prime \prime}$ Speakers
- Pause Control/Start Lever
- Includes 2 Dynamic Microphones, Empty 7" Reel, Demo Tape and Tape Cleaner

Deluxe self-contained 3 -speed 4 -track stereo/monaural tape recorder. Bullt-in all-silicon transistor stereo amplifier. 2 -large VU record tevel meters. 3-digit tape counter with reset button. Front panel microphone Input jacks. Pause control lever for instant editing and cueing. SRT switch for using low-notse, high-output tapes. Magnetic phono cartridge input. Separate dual concentric Volume/ Magnetic phono cartridge nputi-channels. Two self-contained $5 \times 7{ }^{\mu}$ speakers for wide-range hiffi sound. Front panel stereo headphone speakers for wide-tange
Mi. jack, 3 -speedsi $71 / 2,334,17 /$ IPS. Frequency Response: $40-15,000$ Hz in $71 / 2$ IPS $5 /$ Matio: Better than 50 db . Output Powert 8 -watts. Size: $14 \mathrm{~W} \times 141 / 4 \mathrm{Hx} 91 / 2^{*} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Wt.e 32 ibs. 27 P 56047 W

# LAFAYETTE 8-Track Stereo Tape Recorder with built-in AM/FM Stereo Receiver 



Model LRK-855
Record 8-Track Stereo
Cartridges Direct from the AM/FM Stereo Receiver, Live thru Microphones, or Connect a Turntable and Record Your Favorite LP Records

No Money.Down*
8-TRACK RECORDER FEATURES

- Remove Tape Indicator Light
- Record Safety Interlock Button
- Front Panel Mike Input Jacks
- Illuminated Track Indicator Lights
- Automatic Stop-Motor Shuts Off

AM/FM STEREO RECEIVER FEATURES

- 20 Watt $\pm 1 \mathrm{db}$ Stereo Amplifier
- Built-in Circuitry to Derive 4-Channel Stereo
- Main, Remote, or Main and Remote Speaker Selection
- FM Stereo Indicator Light and "Acritune"
- Magnetic and Ceramic Phono Inputs

The LRK-855 \&-Track Stereo Tape Cartridge Recorder Section has a full complement of deluxe features: automatic stop and motor shut-oft after last chan. nel has been recorded; direct 8 -track re cording from the AM/FM stereo receiver; front panel, dual concentric left and right channel record level controls; and 2 illuminated vu-record level meters. The LRK-855 Receiver Section features: special 4-channel Composer circuitry for deriving 4 dimensional sound from your stereo records, tapes, and FM broadcasts. Playback of 4 dimensional sound requires 4 speakers- 2 front and 2 rear; FM. Stereo indicator light; Acritune circuitry for foolproof visual FM funing accuracy; front panel stereo headphone jack; inputs for Aux., Phono (Cer. \& Mag.); Tape Recording

Outputs. Output fransistors are fused for overload protection. SPECIFICATIONS: Amplifier Power Output: 20 Watts $\pm 1 \mathrm{db}$ at 8 ohms, Freq. Response: $20-20.000 \mathrm{~Hz}$ $\pm 1.5 \mathrm{db}$, Input Sensitivity Phono (Mag.) 4 mV , (Cer.) 130 mV . Aux. 275 mV . Tuner FM Sensitivity: $3.5 \mu V, 8$-Track RecorderMike input Sensitivify: 1 mV . Bias Freq.: 80 kHz , Freq. Response: $30-10.000 \mathrm{~Hz} \pm$ 3 db , Channel Separation: 30 db . SolidState Circuitry: 45 Transistors, 31 diodes. Walnut finished metal wrap-around case. Brushed gold anodized aluminum trim. For 117 VAC, 60 Hz . Size: $41 / 2 \times 191 / 2 \times$ 131/4"D. Imported. Shpg. wt., 26 los.
$99 P 02511$ WX
Net 219.95
MIKE FOR LRK-855.
99 P 46161 Wt., 1 lb . ..Net 7.79

AAM 2 Year guarantee
See Page 415 for Details


SAVE 29.95 from individual catalog prices when you buy this fine performing music system. Features the LRK. 855 , 3 - 8 Track Mylar Recording Tapes and 2 Lafayette Criterion 50A Bookshelf Speaker Systems and speaker hook-up cable.
Shpg. wt., 65 lbs.
99 P 92140 WXM ....Net 259.95

## 8-Track Stereo Tape Recorders



## Only $139_{\text {Less mikes }}^{95}$

## Record 8-Track Cartridges Thru Your Stereo Amplifier or Receiver, or Live with Mikes Using the RK-890A

## EXCLUSIVE FEATURES:

- Automatic Cartridge Ejector-Insures you do not damage the tape head and your cartridge
- Specially Designed Built-In Lafayette Solid-State Stereo Record/Playback Pre-Amplifiers

Even better than our widely acclaimed RK. 890 . The improved RK890A's new features include a repeat program selector, stereo.mono mode switch, meter overioad protectlon circuitry, automatic return of ah function buttons to neutral (off positions) after cartridge ejection, and increased bias trequency to 82 kHz . Offers unsurpassed 8 -track cartridge record and playback facilities. Enjoy hours of listening pleasure from your own pre-recorded stereo carlridges. The RK-890A will become the ideal companion to your present high fidelity system. Exclusive Automatic Cartridge Ejector will provide years of trouble. free 8 -track performance-no longer will you damage the heads of your recorder or the roller of any cartridge by leaving a tape inserted after you have turned off the power. The fast forward feature permits quick selection of tape sections. And. most impotant, you can automatically record each track individualiy and stop.
Specifications: 2 Mike Inputs, (Sensitlvity ea., 1 mV and 100 mV ). Blas Freq.: 82 kHz , AC erasing system, freq. response: $30 \cdot 12.000$ Hz . Wow \& Flutter, less than $0.25 \%$, Channel Separation: 30 db , Output fevel: 1 volt Max, 300 mV Average. 17 Transistors, 13 Diodes. Walnut metal wrap around case. Brushed gold anodized aluminum trim. AC Power Fuse. For 117 VAC, $50,60 \mathrm{~Hz}$. Size: $12 \times 31 / \mathrm{x} \times 9^{24} \mathrm{D}$. imported. Shpg. wi., 16 ibs.

## 99 P 15968 Wo Money Down*

$\qquad$ .Net 139.95
Microphone for RK-890A. imported. ShPB. wt., 102.
99 P 46161
Lafayette 70 Min. $8-7 \mathrm{r}$. Mylar Recarding Tape. Shpg. wt., 6 oz 28 P 01439

## RECORD FEATURES

- Stop after each Channel and Automatic Eject, or Stop after Channel 1 thru 4 and Eject
- Sound with Sound Mixing
- Pushbutton Manual Eject
- Pushbutton Fast-Forward
- Front Panel Left and Right Channel Microphone Input Jacks
- Record Salety Interlock Button
- Hlluminated Track Indicator Lights
- Dual Recording VU Level Meter
- Separate Dual Concentric Microphone and Aux. Volume Controls


## PLAYBACK FEATURES

- Continuous and Repeat Play
- Pre-Select and Play any 1 Channel and Stop and Automatic Eject
- Pushbutton Track Selector
- Illuminated Track Indicator Lights
- Pushbutton Fast Forward
- Pushbutton Manual Eject
- Includes 4 -channal cartridge demo tape, all connecting cables, and head cleaning brush
- 4 Record and Playback Solid-State Stereo Preamplifiers


Now you can record and playback 4-channet, 8-track stereo tape cartidges through your 4 -channel stereo recelver or amplifier. The CR-800SS is fully compatible you can also record and playbach 2. channel 8 -trach tape cartridges. Features: 4 VU Record meters, fast forward control. Heads: 4-Trach 4-Channel stereo Recording/Playback, 4 -Track Erase. Input jacks: 4 mic-input level/impedance: $0.4 \mathrm{mV} / 30 \mathrm{~K}$ ohms, 4 line input jacks; input level/impedance: 40 mv ,

300 K ohms. 4 tine output jacks, 1 headphone jack. 19 transistors, 18 dlodes. Tape Speed: 31/4 IPS. Freq. Response: 50 to $16,000 \mathrm{~Hz}$, Signal to Noise Ratio-better than 47 db , Recording bias frequency 65 MHz . Size: $19.4 \mathrm{~W} \times 5.5 \mathrm{H} \times 11.2^{\prime \prime} \mathrm{D}$. For 100 V to 240 V AC $50 / 60 \mathrm{~Hz}$. Shpg. wt., $291 / 4 \mathrm{lbs}$. Imported.

27 P 56013Wx No Money Down*

## Solid-State 8-Track Stereo Tape Cartridge Recorders

## Portable Battery/Electric 8-Track Stereo Recorder/Player

NEW! PANASONIC RS-8OGUS Solid-State 8-Track Stereo Record/Playback Deck

## $79^{95}$ <br> No Money Down

- Plays AnywhereHome, Boat, Beach, Car - Self-ContainedRecords Live, Or from


External Stereo Record Changer or Radio
Operates on batteries, 117 VAC, or 12 VDC car or boat battery. Inputs for record changer or FM sterie funer. Pushbution program selector. Separate channel indicator lights. Two $4^{-1}$ wide-range speakers may be separated up to 4 ft . for maximum stereo separation. Instant-on solid-state circultry. Size: $1236 \mathrm{H} \times 9 \mathrm{is} \times \mathrm{x}^{\prime \prime} \mathrm{D}$. Imported. 17 P 73050 W Shog. wt., 11 lbs.

Net 79.95 99 P 62564 "D" Batteries for above ( 8 req.) ....Net ea. 19 17 P 73068 Microphone for above. Wt., $202 . . .$. Net ea. 3.95 12 voc Power Cable. Connects to car cigarette lighter. 17 P 73076 shipg wt.a 602.

Net 1.95

## NEW! SONY/Superscope TC-228 8 -Track Stereo Recorder/Player Deck



- Automatic Total-Mechanism Shut-0tt - Locking Pause Control

Use this handsome deck to record your own stereo 8 -trach tapes Manual recording volume controls. 2 illuminated Vu meters, mic and aux inputs, and front panel headphone monitor jach assures exceptional recording quality. Features: 3-way cartridge eject system, last forward, automatic and manual program selection, walnut wood cabinet. Includes: head cleaning pen, and patch cord. Freq. Response: 30 Hz to 13 HHz . S/N Ratio: 45 db . Low impedance mike input, Output level: 0.5 V at zero VU . Size: $14 \mathrm{~K}, \mathrm{~W} \times 43 / 4 \mathrm{H} \times 83 / 4 \mathrm{CD}$ for $120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imporied. Shpg. wi., 13 tbs.
27 P 60718 í No Money Down* $^{\circ}$
Net 169.95


Make your own 8-Track Stereo Tapes, or enjoy pre-recorded ones, Connects to the tape input and output jacks on your stereo am. plitier or recelver. Separate left and right channel volume controls. Eject button. Program selector button. Lighted program indicators. Input jacks for MIC (2) and AUX (2). Output jacks for fine (2) and headphone. Incfudes connecting cables and head cteaning bar. Size: $41 / 2 \mathrm{HH} \times 162 \mathrm{gW} \times 9 / 4^{\prime D}$. For 117 VAC 60 Hz . Imported. Shpg. wt., 13 lbs.
27P 12347 W No Money Down
Net 114.95
NEW! PANASONIC RS-8185 AM/FM Stereo
8-Track Record/Playback System
 The RS. 8185 Recorder Section feafures: sllde.in cartridge opera. tion. loching fast forward bufton. eject button, program selector and lighted program indicator, and 2 VU meters. AM/FM Stereo radio has slide-rule tuning dial, built-in antennas, AFC on FM. FM Stereo Indicator, and separate volume and tone cantrols. Hand. some walnut wood cabinetry. Input jacks for Mic(2), Aur(2), and Phono(2). Output jacks for Line(2), Ext. Speaker(2), and Headphones. Size: 8-trach section: $53 / 4 \mathrm{H} \times 203 \mathrm{ZW} \times 1230 \mathrm{D}$; Ea. Sph, Sys.: $133 \mathrm{bH} \times$ $102 / 2 \mathrm{~W} \times 534$ "D. For 117 VAC, 60 Hz . Import ${ }^{2} \mathrm{~d}$. Shpg. Wt., 36 tbs . 27 P $12354 W x$ No Money Down

## NEW! SANYO RD-8350 8-Track 2 \& 4 Channel Play/2 Channel Record Deck

$179^{95}$
No Maney Down*

- 2 VU Record Level Meters
- Pause Control for Cueing and Editing

This unique 8 -track tape dech has been designed to play both 4 and 2 channel stereo tape cartridges, and record 2 channel 8 -tack tape cartridges. Connects to the tape input and output jacks of any 2 or 4 channel stereo amplifier or recelver. (For 4 channel playback you require a 4 channel ampllfier or two 2 channel amplifiers. and 4 speakers.) Features solid-state circuitry, 2 VU record level meters, pause control, fast forward, automatic stop, front panel mike input lacks, channel indicator lights. mode indicator tights, and cartridge pject system. Freq. response $50-12 \mathrm{kHz}$. S N ratio 45 db . Mike input impedanceHigh. With all connector cables. Size: 173 者 127 x $43 / 4$ over. all. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shps. wt., 14 lbs
27 P 76037 w

Net 179.95


[^8]
# LAFAYETTE Compatible 4 and 2-Channel Stereo 8-Track Playback Decks 

## Deluxe RK-48A



## Features "Continuous/Repeat" Selector Button

- Automatic Mode Selection for 2 or 4-Channel Tapes
- Connects to a 4-Channel Amplifier or Receiver Source
- Spill-Proof Capstan Mechanism
- 4 Solid-State Stereo Playback Preamplifiers
- Individual Illuminated Channel Indicator Lights
- Pushbutton Track Selector

Add the magnificent sound of discrete 4-channel tape cartridges to your present 4 -channel home system. The Deluxe RK-48A is also fully compatible for use with either conventional 2 -channel stereo cartridges or the new discrete 4 -channel stereo cartridges. For playback of 4 channel stereo cartridges, the RK-48A must be connected to either a 4 -channel amplifier or 4-channel receiver. Or, you can connect the RK-48A to an existing 2 -channel stereo amplifier or receiver, and add an additional stereo amplifier for the two "rear" channels. Features a Continuous/Repeat button to repeat only one particular program, or continuously repeat all programs. Automatic mode
selection-insert either a 2-channel or 4-channel stereo tape and the deck plays instantly in the correct mode. Individual illuminated program track indicators; manual program selector; manual 2 or 4 -channel mode selector button. Spillproof mechanism stops tape from wrapping around capstan. Four built-in solid-state stereo playback preamplifiers. Specifications: Max. output: 1 volt; Hum \& Noise: - 49 db ; Channel Separation: 45 db ; Distortion: $1 \%$; Wow \& Flutter; $0.2 \%$; Frequency Response: $30-10,000 \mathrm{~Hz} \pm 2 \mathrm{db}$. For $105-120 \mathrm{~V}, 60 \mathrm{~Hz}$. AC Power Fuse. Size: $94 / 2 \mathrm{~W} \times 101 / 2 \mathrm{D} \times 41 / 2{ }^{2} \mathrm{H}$. Imported. Shpg. wt., 11 lbs . 99 P 16040 W No Money Down*

Net 97.95

# NEW! <br> RK-84 <br> 4 and 2-Channel 8-Track Stereo Playback Deck 



- Selector Button for Either 2 or 4-Channel Tapes
- 4 Solid-State Stereo Playback Preamplifiers
- Individual llluminated Channel Indicator Lights
- Pushbutton Track Selector

Plays all pre-recorded 4 and 2-channe! 8 -track stereo tape cartridges. Plugs into tape or auxiliary inputs of your 4 -channel amplifier or receiver. Features 2 or 4 -channel mode selector button, 2 or 4 -channel indicator lights, pushbutton track selector, and individual channel indicator lights. Four built-in solid-
state stereo playback preamplifiers. Max output: 0.5 V , Distortion: $1.7 \%$, Frequency response: 50 to 8 kHz . For 120 VAC, 60 Hz . Size: $87 / 6 \mathrm{~W} \times 81 / 2 \mathrm{D} \times 4^{3 / 4}{ }^{\mathrm{N}} \mathrm{H}$. Imported. Shpg. wt., 9 lbs.

## LAFAYETTE 2-Channel 8-Track Stereo Playback Decks

## Add 8-Track Tape Listening to Your Stereo System

## Deluxe LAFAYETTE RK-800A 8-Track Stereo Cartridge Playback Deck



- Built-in Solid-State Stereo Playback Preamplifier
- Pushbutton Track Selector
- Individua! Illuminated Track Indicator Lights
- Spill-Proof Capstan Mechanism


## e" $59^{95}$

Our Best
8-Track Tape Deck

Designed to complement the finest stereo systems. Unique capstan bearing assembly insures long-llfe operation without damage to your tapes. Spill-proof mechanism stops tape from wrapping around capstan, Bult-in solid-state stereo playback pre-amplifiers. Connects to your stereo amplifier or receiver tape input. Tape plays continuously. Four indicator lights tell you which track is playing at any given time. In sequence you may switch tracks by depressing the push button track selector button. Power Output: 1 -volt. Frea. Response: $30 \cdot 12.000 \mathrm{~Hz} \pm 3 \mathrm{db}$. S/N Ratio: better than 47 db . Wow \& Flutter: less than $0.2 \% \mathrm{rms}$. Tape Speed: $33 / 4$ ips. 4 -pole AC Condenser motor. walnut grain finished metal case. Brushed aluminum front panel. Size: $9 W^{4} 41 / \mathrm{H} \mathrm{H}_{2} 91 / 4{ }^{*} \mathrm{D}$. For 117 VAC . 60 Hz . Imported. Wt., $111 / \mathrm{m}$ lbs. 99 P 15893 No Money Down*

## NEW! RK-82 8-Track Stereo Cartridge Playback Deck

## ... $39^{95}$

Ideal for Use with Stereo Radio, Compacts and Phonographs with Tape or Auxiliary Input Jacks

- Built-in Solid-State Stereo Playback Preamplifier
- Pushbutton Track Selector
- Individual Illuminated Track Indicator Lights

[^9]
# Low, Low Prices on 8-Track Tape Players LAFAYETTE RK-850A 8-Track Stereo Playback Amplifier 

## Only $69^{95}$

see Page 415
Model RK-850A is Actually $2 \mathrm{Hi} . \mathrm{Fi}$ Components in One:

1) 20 -Watt Stereo Amplifier
2) 8-Track Stereo Playback Deck


## RK-850A AMPLIFIER FEATURES

- Inputs for Phono, Tuner, and Tape
- Main and Remote Speaker Switch
- Instant-On Solid-State Circuitry


## RK-850A 8.TRACK TAPE DECK FEATURES

- Individual Illuminated Track Indicator Lights
- Pushbutton Track Selector
- "Remove Tape"Indicator Light

The RK-850A is an improved version of the RK-850 and now includes both Magnetic and Ceramic phono Inputs. The RK-850A has solid-state elreuitry ( 16 transistors, 3 diodes, and 2 thermistors) for superb high fidelity performance and reliability. Exclusive "Remove Tape" indicator light will provide years of trouble-free s.track performance. no longer will you have to worry about damaging the playback nead by leaving a lape inserted in the player after you have turned the power off; a "Remove lape" bulb flluminates with the power turned off and a tape cartridge left fulty inserted in the player. Conventent operating features include: Push-button Track Selector; 4-llluminated Track Indicator Lights; inputs for Phono (Magnetic and Ceramic),

Tuner, and Auxiliary; plus tape output for external tape recorder Push-button switches for: Main and Remote speakers; Loudness; Stereo/Mono mode. Separate controls for Volume/Balance, Treble, Bass. Stereo headphone jack. SPECIFICATIONS: Tape Section-Re. sponse: 30 to 10 kHz ; $\mathrm{S} / \mathrm{N}: 50 \mathrm{db}$; Wow and Flutter: $0.3 \%$ rms. Ampllfier Section-Power Output: 20 Watts $\pm 1 \mathrm{db}$; Frequency Response: 20 Mz to 20 kHz ; Separation: $60 \mathrm{db} ; \mathrm{H} / \mathrm{O}: 0.2 \%$; Input Sen sitivity: Hi Level, 250 mV ; Magnetic 4.5 mV ; Hum and Noise (Aux., Tuner, Phono CER): 70 db . Attractive simulated walnut grain case. For 105/120 VAC, 60 Hz . Size: $12 \mathrm{~W} \times 33 \mathrm{GH} \times 91 / \mathrm{m}^{\mathrm{N}} \mathrm{D}$. Imported.
99 P 15927 Whpg. wt., 1612 lbs. No Money Down* .... Nel 69.95

## LAFAYETTE LRK-480 Combination 4 and 2-Channel 8-Track Tape Player and AM/FM Stereo Receiver

## AM/FM STEREO RECEIVER FEATURES

- 20 Watt $\pm 1 d b$ Stereo Amplifier
- Main, Remote, or Main and Remote Speaker Selection
- FM Stereo Indicator Light with Acritune
- Magnetic and Ceramic Phono Inputs
- Front Panel Stereo Headphone Jack


## 8.TRACK TAPE PLAYER FEATURES

- Automatic Mode Selection for 2 or A-Channel Tapes
- Individual Illuminated Program Track Indicator Lights
- Remove Tape Indicator Light
- Spill-Proof Capstan Mechanism

This versatile AM/FM Stereo Receiver features 4-CHANNEL COMPATIBILITY. By adding an external stereo amplifier and 2 speakers you can play the new 4 -channel 8 -track stereo tape cartridges thru the LRK-480, With the LRK-480's exclusive "Composer" circuit, you can also derlve 4 -channel stereo material from conventional 2 -channel g-track stereo cartridges, FM stereo broadcasts, and records (when you connect a stereo record changer). The solid-state AM/FM Stereo Receiver features an FM stereo indicator light and ACRITUNE circultry for foolproof visual FM tuning aceuracy. Aux Inputs, Tape Record Outputs, and an AC convenience jack are provided on the rear panel. Separate bass and treble controls. Pushbutton switches for Tape Off, Loudness, Stereo Mono, Mi-Filter. SPECIFICATIONS: Power Ouiput: 20.watts $\pm 1 \mathrm{db}$; Input Sensitivity: Phono (mag.) 4 mV , (ceram.) 130 mV ; Auxiliary: 275 mV ; Output Impe. dance: 488 ohms; Tuner: FM Sensitivity: 3.5 $\mathrm{LV}^{\mathrm{V}}$; S/N Ratio: 63 db ; Stereo MPX Separatlon: 35 db at 400 Hz . Built-in AM and FM antennas. Size: $41 / 2 \times 191 / 2 \times 13 \mathrm{~V} / \mathrm{N}^{\prime \mathrm{D}}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. 1 mported. Shpg. wt., 30 lbs. 99 P 02677 Wx No Money Down*

## 8-TRACK TAPE CARTRIDGE PLAYERS \& CHANGERS

Portable Battery/Electric 8-Track Stereo Tape Player

## ONLY 0210 With Batteries

- Includes 117 VaC line cord for home use, and a 12 V adapter cord for car or boat use.
- Instant-on Solid State Circuitry
- Slide Lever Tone and Volume Controls

Truly portable! Listen to 8- Irach Stereo Cartridges wherever you go on the beach, on a picnic, in the country, or in your backyard. This deluxe instant-on solid state 8 -Track Tape Cartridge player operates on 117 VAC or 8 " 0 " cell batteries. Separate left and right slide lever volume controls and tone controls. Two quallity hi-1l speakers assure many hours of listening pleasure. Pushbutton channel selector and

individual channel indicator lights. Highly attractive units fold together and latch securety for the ultimate in portability and handiling. High impact pastic case has modern grip-type carrying

17 P69488w No Money Down*
99 P62564 "D" Batteries for above. 8 req Net 62.10

Portable AM/FM Stereo 8-Track Tape Cartridge Player

## 3-WAY OPERATION

1) Self.Contained Battery or 8 " $D$ " Cells
2) 117 VAC House Current
3) 12 V Neg . Ground Car or Boat System

- Beautifully Styled Grey and Ebony Cabinet
- Automatic or Manual Channel Selector
- 2 Acoustically Matched 4" Speakers
- Advanced Solid-State Circuitry
- Individual Channel Indicators
- Precision AM/FM Slide Rule Dial
- Separate Tone, Volume, Balance Controls


With Batteries and Eapphone No Money Down*

Truly Portable! Listen to 8.Trach Stereo Tape Cartridges or FM Stereo, FM, and AM broad casts wherever you 80. Magnificent sound quality. Each Speaker can be separated up to 5 ft . for full stereo reatism. Beautiful styled grey and ebony cobinet with chrome
accents. Measures $6^{\prime \prime} \times 7 y_{4 \prime \prime}^{*} \times 104 / 4^{\prime \prime}$. Plays when closed. Imported. Shpg. Wt., 13 ik tbs. 17 P 02331w

Net 89.95

## Extra "0" Batteries. 8 required.

99 P62564
Net ea.
19

## NEW TELEX Automatic 8-Track Stereo Tape Player/Changer Deck

## $249^{95}$

with Dust Cover

- Plugs Into Any Standard Stereo Amplifier or Receiver
- Operates Vertically or Horizontally

Automatic stereo tape cartridge changer dech. Plugs into any stand. ard stereo amplliter or receiver. Switches and selects 128 -track cartridges of any length In 4 automatic modes of operation: (1) Plays all channels of all tapes in sequence, (2) Plays random selection of tapes, (3) Plays individual tracks of each tape, (4) Repeat-play same cartridges. Dust cover for tape protection included. Instantion solidstate circultry. Durable walnut finish vinyl base. Size: $18 \mathrm{~V} / \mathrm{WW} \times 9 \mathrm{H} \times$ $161 / 4^{n} \mathrm{D}$. For 117 VAC, 60 Hz . Shpg. Wt., 34 lbs.
$27^{\prime}$ P28012wx No Money Down*
Net 249.95


## Big Name Pre-Recorded 8-Track Stereo

 Tape CartridgesShpt. wt. © oz ea.

28 P 44561 Shaft-Music from the movie
28 P 44553 Music from Fiddler on the Root-Tradition, Sunrise. Sunset, To Llfe, If I were a Rich Man, \& others
28 P 44066 Dean Martin Young and Foolish.
28 P 44074 Oean Martin-I Can't Give You Anything But Love.
28 P 44082 Jackie Gleason-The More I See You.
28 P 44090 Pete Fountain-New Orfeans Style.
28 P 44108 Narry James-You Made Me Love You.
28 P 44it6 Glen Camplelt-A Satisfied Mind.
28 P 44181 Patsy Cline-I Can't Forget You.
28 P 44231 Today's Pops $\$ 2$-Midnight Cowboy, Raindrops Keep Falling, Jean, plus others.
28 P 44249 Today's Pops $=3$-Bridge Over Troubled Waters, If I Were a Carpenter, Kentucky Rain ${ }_{h}$ plus others.
28 P 44264 The Music and Songs from "Hair."
28 P 44272 Johnny Cash-I Walh the Line, Born to Lose, Cry, Cry, Cry, Straight A's in Love.
28 P 44546 Johnny Cash-Folsom Prison Blues-Ways of Woman Just About Time, Sugartime, Mean Eyed Cat, \& others,
28 P 44322 Sounds of the woodstock age Sung and Played by Tribe.
28 P 44314 oavid Clayton Thomas-The Super Voice of Blood, Sweat and Tears, and Linda Ronstadt \& the Stone Poneys.
28 P 44280 fiod Mckuen-Love's Been Good to Me.
28 P 44306 Cet Together-Snowtird, We've Only Just Begun, Candida, Look What They've Done to My Song, and others. Played and Sung by the Young Lovers.
28 P 44298 The Guess Who-wild One, Pretty Bive Eyes, Don't Be Scared, Shot of Rhythm and Blues.
28 P 44173 Mank Lockin-Queen of Hearts, Lessons in Love, The Red Rose, I Always Lose.
28 P 44512 Merle Maggard/Bonnie Owens-That Makes Two of Us, I'II Take a Chance, I Wanta Live Again, Forever and Ever, Stranger in My Arms, plus more.
28 P 44025 Frank Sinatra-Nevertheless I'm in Love With You.

28 P 44033 Serglo Mendes-So Nice.
28 P 44041 Nat King Cole-Love is a Many Splendored Thing.
28 P 44058 Nat King Cole-Stay as Sweet as You Are.
20 P 44355 The Glen Campbell Aloum-Only the Lonely, That's Alt Right, Woman's World, Same Old Places, plus more.
28 P 44363 Woodsfock-Vol. III.
28 P 44371 Nancy Wilson-Goin' Out of My Head, The Shadow of Your Smile, Yesterday, Uptight, and I Love Him, plus more.
28 P 44389 Johnny Cash-Rock Island Line, The Wreck of the Oid 97, Come in Stranger, Hey Porter, I Heard that Lonesome Whistle.
$28 P 44397$ Love Story-Melachrino Strings.
28 P 44405 Jesus Christ Superstar-Musical Excerpts from the Rock Opera, I Don't Know How to Love Him and others.
28 P 44413 Tribes Sing-The Creative Genius of George Marrison/ John Lennon/Paul McCartney-Let It Be, My Sweet Lord. Why, Something, Isn't It a Pity, Junk, plus more.
28 P 44421 Beach Boys-Famous Hits.
28 P 44439 Tennessee Ernie Ford-lesus Loves Me, Onward Christian Soldiers, Shall We Gather at the River, plus more.
28 P 44447 Tennessee Emie Ford-Standing in the Need of Prayer. 28 P 44454 The Four Seasons-The Brotherhood of Man.
28 P 44462 Roger Miller-Engine, Engine 9
28 P 44470 The Cowsilts-The Serendipity Singers-The Mindbenders -The Lincoln Park 200
28 P 44488 Bis Bands-Original Big Band Theme Songs Played by the Original Artists-Benny Goodman, Harry James, Les Brown. Glen Gray, and others.
28 P 44496 Lynn Anderson- Flower of Love, Games People Play, Okie from Muskogee, Sland by Your Man, and others.
28 P 44504 Mank Thompson-Simple Simon, Simple Heart.
28 P 44520 Buck Owens-If you Ain't Loving.
28 P 44538 Guest Stars of the "Wee Haw" Show-Buck Owens, faron Young, Ferlln Husky, Sonny James, Wynn Stewart. George tones.

# 4-Channel Pre-recorded 8-Track Stereo Tape Cartridges 



## RCA 4-Channel Stereo 8-Track Tape Cartridges

Only $6^{95}$

EACH

28 P 14036L Mair-Orixinal Broadway Recording-Aquarlus, Good Morning Starshine, Where Do I Go. Hair, I Got LIfe, plus many more. 28 14002L MUSIC FROM MILLION OOLLAR MOVIES Coston PopsLaura, Glal, Love is A Many Splendored Thing. Song from Moulin Rouge, Around the World in 80 Days, plus 5 more.
28 P 14010 L Best of Boston Pops-More, On the Trail (from "Grand Canyon Suite"). Hello Dolly, plus 9 more selections.
28 P 14069 L Best of Menry Mancini-Pink Panther Theme, Breakfast at Titfany's, Soldier in the Rain, plus 5 more selections.
28 P 14028 L Mighllghts from Madame Butterfly, Puccini-Leinsdorf: Conductor, Price, Tucker. Elias, Maero.
26 P 14051 L Best of Eddie Arnold-Just a Little Loving, Make the World Go Away, Anytime, plus 9 more selections.
28 P 14044 L Best of Charlie Pride-Just Between You and Me, The Easy Part's Over, Kaw-Liga, plus 9 more selections.
28 P 14085L lose Feliciano in Concert at the London PatiadiumNobody Knows You When You're Down and Out. Malaguena, Guantanamera, plus more
28 P $14077 L$ Ormandy, Phitadelphia Orch.-Liszt-Hungarian Rhapsodies $\$ 182$; Smetana Bartered Bride.
28 14093L Fiddler on the Roof-Original Cast Recording.
Shpg. wt., 8 oz, ea.

## Lafayette 4-Channel Stereo

 8-Track Demonstration Tape

# "Listening Is Believing" 

Only $\int_{\text {EACH }}^{95}$
Made for LAFAYETTE by Columbia

Ideal tape cartridge to make sure your 4-channel 8 -track stereo sys. tem is properly set up. Program 1 on the tape includes 400 Hz signals for leff front speaker, right front speaker, left rear speaker, right rear speaker. Next you will hear Leonard Bernstein and the New York Philharmonic play excerpts of Tchalkovsky's 1812 Overture first in Mono, then in 2 -channel stereo, and lastly-magnificent 4 -channel stereo. Program 2 consists of excerpts trom Tchaikovsky's Swan Lake Ballet in breathtaking 4 -channel stereo. Shpg. wt., 6 or .
28P014131


## Only <br> 89 <br> еаси

Columbia 4-Channel

28 P 88016 L Bernstein. N.Y. Phll.-Also Sprach Zarathustra Stereo 8-Track Tape Cartridges

Zarathustra
28 P 58024 L No, No Nanette-Original Cast Album
Shpg. wt., B oz. ea.

# 4-Channel Car Tape Players and Accessories 

## LAFAYETTE 4 and 2-Channel 8-Track Stereo Car Tape Player

Only

# $89^{95}$ ih Mounting Bracket. Less Speakers 

## Completely Compatible - Plays both the New Q8 4-channel and 2-channel Stereo 8-Track Tapes

## - FEATURES •

- Front and Rear Balance Control
- Left and Right Balance Control
- Separate Tone and Volume Controls
- Pushbutton Channel Selector
- Individual Channel Indicators


# 169 

- Automatic 4 or 2. with all Mounting Hardware Channel Switching Less speakers
- Master Volume Control

This stylish deck plays both 2 and 4 -channel stereo tape cartridgesp lets you enjoy full-bodied sound while in your car. Deflivers a powerful 20 watts RMS ( 5 watts per channel). Four Individual Ievel controls permil separate adjustment of tront and rear and left and right speakers. Other easy to reach front panel controls are master volume, master tone control, program seiector switch, and illuminated channel indicator. Can easily be installed in any automobile with a 12 -volt negative ground electrical system. For added safety, the front-panel has protective padding with recessed controls. Frequency response of 50 Hz to 12 kHz . Wow and flutter; $0.025 \%$. Supplied accessories includes mounting hardware; spare 4.5 amp fuse and CLH1 head-cleaning pen. Dimensions: $111 / 4 \mathrm{~W} \times 21 \mathrm{~K}_{6} \times 81 /{ }^{\prime \prime} \mathrm{D}$. Shpg. Wt., 8 lbs. 1402 . Imported.
27 P 60668 W No Money
Custom sot of 4 Speakers Plus Crills. Imported.
Net 169.95
.Net 8.95
4. channel sound provides a magnificent new tistening experience. Now with this deluxe tape player you can enjoy 4 -channel sound in the comfort of your car. Plays both the new discrete 08 4-channel tapes, and the conventional 2 -channel 8 -track stereo cartridges. Features solid-state circuitry, 4 or 2 channel selector button, automatic or manual program selection, tone control, volume control, front-reap balance control, left-right balance control, channel indicator, and channel selector button. Power output 4 -watts $\times 4$; Response $50-8,000$ Hz. Signal-to-Moise Ratio 40 db or better. Speaker impedance 4 to 8 -ohms. 20 transistors, 1 diode, and 8 Thermistors. For 12 volt negatiye ground car systems. She: $2 \mathrm{H} \times 8 \mathrm{w} \times 8 \mathbf{8} \mathbf{b}^{\prime 0}$. Imported. Shog. wi. 6 ibs.
99. 18065 F No Money Down* $\qquad$ Net 89.95
Custom set of 4 Speakers Plus Grills. Imported. 99 P 62861 Shpg. wt., $31 / 2$ lbs.
.Net 0.95

## LAFAYETTE 4 Dimensional Car Stereo Adapter

Thrill to a Spectacular New Sound in Your Car.

- Derives 4 Dimensional Sound From 2-Channel Stereo Tape cartridges and FM Stereo Broadcasts.

Derives magnificent 4 dimensional sound from your present 2-channel caf stereo tape or FM stereo radio. Reproduces original recording studio sound-reflective sound (amblence) which is not heard in a conventional 2 -channel stereo system. Front panel contains a rear level speaker control. 2 or 4 dimensional mode switch, and front (left and right) speaker level controls. If your present car stereo system has 4 speakers . . . all you require is the Lafayette 40 imensional Adapter. If you have only 2 speakers, you must add the adapter and 2 additional speakers (see listing below). Includes two 3 H., two 6 fl ., and iwo 15 ft . connecting cables. Size: $151 / 2 \mathrm{~W} \times 13 / 4 \mathrm{H} \times 21 / 2^{=0} \mathrm{D}$. Shpg. wt., 2 ibs , Imported. For 12 Volt Negative Ground Systems. 99 P85128
Pair of Two $3^{\prime \prime} \times 5^{\prime \prime}$ Matching Rear Deck Speaker Systems. 99 P 62984 Shpg. wt., $21 / 2$ lbs, ...................................... Net 9.95
*See Page 23 for Full Details on Easy Pay Plan

# Lafayerte Solid-State 8 -Track Car Tape Players 

## NEW! LAFAYETTE Pro-8 Stereo 8-Track Car Tape Player



Superbly engineered for convenience and qually. Measures onily $6 \mathrm{~W} \times 3 \mathrm{MM} \times 7{ }^{\prime \prime} \mathrm{O}$ and mounts easily under the dash of your car with adjustable bracket. The Pro-8 is also easily removeable when not in use. The bracket features a safety lock to prevent theft. Among its many professional features are individual slide controls for stereo Balance, volume and Tone. A Fine Tuning control tunes out crosstalk when using old, worn or defective eartridges. Push.
bution channel selector. Individual channel indicators. Powerful 12. watt solid-state circuitiy. For 12 voc Negative Ground systems, im. ported.
17 P 02364 w Shpg. wt., 7 lbs
Net 59.95
Pair of Two $3 \times 5$ " matching speaker systemis
99 P 62994 Shpg. $w t ., 21 / 2 \mathrm{lbs}$.

## NEW! LAFAYETTE "Wicro 8X" Stereo 8-Track Car Tape Player



At A Price<br>Everyone Can Afford<br>$40^{95}$<br>With Mounting Brackets Less Speakers<br>- Compact Size-For Easy Installation<br>- Individual Illuminated Channel Lights<br>- Pushbutton Channel Selector Button<br>- "Instant-on" Solid State Circuitry

Improved version of our Dest-selling Micro-8 8-Track Car Improved version of our dest-selling Micro-8 e-Track Car
Tape Player. Now includes Fine Tuning control to adjust playback hesd for worn of defective cartridges-tunes out crosstalk. Built-in head cleaner cleans the head each time a cartridge is inserted. Compact design permits simple installation-even where space is at a premium. Player is only $7350 \times 5 \% / 3 \mathrm{~W} \times 23 /{ }^{\prime \prime} \mathrm{H}$ in size. Fully automatic opera. fion-turns on when a tape is inserted, changes tracks automatically at the end of each program. A selector button permits you to instantly change tracks. Individuat 11 luminated lights tells you which track is playing. Balance control to adjust for proper stereo channel separation. Separate volume and tone controls. Power output 10 watts. Freq. Response $30-10,000 \mathrm{Mz}$. For 12 -volt neg. ground systems. Adjustable mounting bracket. Imported 17 P 02570w Shpg. wt., $57 / 1 \mathrm{lbs}$.
Pair of Two $3 \times 5^{\circ}$ matching speaker systems
99 P 62994 Shpg. wt. $21 / 2$ lbs.

# 8-Track Stereo Tape Players for the Car 

## TENNA TC-82-T 8-TRACK STEREO TAPE PLAYER

## OUTSTANDING FEATURES

- Built-in Burglar Alarm
- Self-Cleaning Tape Head
- Hidden Channel Indicator
- Fine Tuning
- Fast Forward
- Automatic Eject
- Tape Light
- Motor On/Off Switch


## $79^{95}$

WITH ALL MOUNTING

## HARDWARE, LESS SPEAKERS

Deluxe, hishly styled solld-state 8 Track Stereo Tape Player with exciting features: Bullt.in Head Cleaner cleans the head each time the cartridge is inserted; Fast Forward Button advances tape at a faster rate to pinpolnt exact selection desired. Eject 8utton automatically ejects cartridge when ignition is shut off protecting cartridge plach rollers. Built in Tape light for easy selection reading at night. Motor Switch reduces ignition noise and battery drain when a cartridge radio pack is operating in the player. Thelt.proof 8 ultt-in Burglar Alarm blows horn continuously when an attempt is made to steal a properly installed player. Fine Tuning adjusis for worn or defective cartridges, tunes out crosstalk. Midden Channel Indicator
....single channel number is illuminated; each number in a different color. Highly Styled Slide Controls for easy Tone. Volume and Balance adjustment. Reverse polarity for 12 volt negative/positive ground cars. Also Includes automatic or pushbutton track selection. Peak audio output: 14 watts. Measures only 7/2W $3 \mathrm{H} \times 71 / 2$ "D. Frequency Response: $40 \cdot 12,000 \mathrm{~Hz}$. Impedance; 4 ohms. With universal mount Ing bracket. Imported. Shpg. wt., $71 / 2 \mathrm{lbs}$.
17 P 74686W No Money Down*
Net 79.95
Set of 2 Matched Rear Deck Speakers. Imported. Shpg. wt., 3 lbs. 99 P 62986

## Ranger 4 and 8 -Track Solid-State Car Stereo Tape Player

With Built-In BURGLAR ALARM


# NEW LOW PRICE <br> $64^{95}$less speakers 

- For All 12 Volt Ner./ Pos. Ground Car Systems
- Thumbwheel Type Control Knobs Conform With Federal Safety Regulations
- Fully Automatic-Instant Operation
- Illuminated Channel Indicator Light

A fully automatic 4 and 8 -track stereo tape player with fine tuning control and built-in Burglar Alarm. Handsomely styled in black and chrome, this player can be easily mounted under the dash of your car with attached universal bracket. Fully auto matic-no switches or lever to select choice of cartridge. Either 4 or 8 -trach cartridge slips in easily and plays instantly. Removal of cartridge automatically switches player off. Fine tuning control tunes sut undesirable crosstafk in worn or defective 8 -track cartridges by adjusting the playback head to precision aliznment with the recorded tracks. Hluminated channel indicator shows channel that is playIng. Channel changes automatically after each program or instantly by operating the selector bar. Specifications: Peak Audio Output: 20 watts; Impedance: 4 ohms each channel; Transistors: 12; Thermistors: 4; Battery drain: . 75 amp; Tone Control. For 12 volt nep./pos. ground. Imported. Shps. wt., 9 tbs.
17 P 74496 No Money Down*
Net 64.95
Set of 2 Matched Lafavette Car Speaker Systems.
99 P 62994 Shpg. wi., $21 / 2$ lbs.
Net 6.95

NEW! Pioneer TP-222E Mini 8-Track Car Stereo Tape Player


## $44^{95}$

less speakers

- Only. $2^{\prime \prime} \mathrm{H} \times 43 / 8{ }^{\prime \prime} \mathrm{W} \times 61 / 2 " \mathrm{D}$
- For 12 V Negative Ground Cars
- Solid-State IC Circuitry
- Installs Easily in Glove Compartment

Small enough to fit in most glove compartments. Rellable solid-state iC Circuitry. Both automatic and manual track selection. Trach Indicator lights. Shielded capstan for trouble-free tape feed. Power output 7.6 watts RMS ( 3.8 watts per channel). Separate balance, tone, and volume controls. For 12 -volt negative ground systems. Imported. Shpg. wt., 4 lbs. 17p 85005 W No Money Down*'.........Net 44.95 Set of 2 Matched Lafayette Rear Deck Speakers. 99 P 62994 Shpg. wt., $21 / 2$ lbs. ..........Net 6.95

# 8-1H:FCR Car Stereo Tape Players <br> <br> with Built-In Stereo Radio 

 <br> <br> with Built-In Stereo Radio}

## 8-Track Solid-State Car Stereo Tape Player

## with FM/FM Stereo Radio



Attractively styled 8 -track car stereo tape cartridge player with built-in FM/FM stereo radio. Incorposates the latest solid state integrated cir. culiry, Power output per channel is 6 watts. Features slide control for volume and balance, tone control, FM stereo Indicator light, siide-rule luning, pushbutton track selector, and channel repeat button. For 12 -Volt negalive ground systems. Site: $8^{\prime \prime} W x 81 / a^{\prime \prime} \mathrm{Dx} 3 \mathrm{H}^{\prime \prime H} \mathrm{H}$. Imported. Shps. Wt., 8 los.
17 P 80063W No Money Down* ..................................................... 97.50 Set of two Lafayette Matched Car Speaker Systems. Imported. 99 P 62994 Shpg. wit. $21 / 2$ lbs.

- Built-in Burglar Alarm
- Self-Cleaning Tape Head
- Fine Tuning
- Fast forward
- Automatic Eject
- Tape Light
- Separate Slide Controls for 8alance, Volume, And Tone FM/FM stereo radio. Features all the latest innovations for improved 8 track listening pleasure. The FM/FM stereo radio provides criso, clear, stailc-free reception. Buift-in burglar alarm helps prevent theft. Fast forward button advances tape at a faster rate to pinpoint exact selection desired. Instant on solid-state circuitry, For 12 -volt negative ground systems, Size $71 / 2 * W \times 81 / 4^{* D}$ D $37 / 4$ "H. Imported.Shpg. wt., 9 lbs. 17 P74678W, No Money Down ${ }^{\circ}$
Set of 2 Deluxe Lafayette Rear Deck Speakers. Imported. 99 P 62986 Shpg. wt., 3 Ibs.


## Custom "In-Dash" 8-Track Car Stereo Tape Player with AM/FM/FM Stereo Radio



## CUSTOM INSTALLED KITS

Custom Installed Kits Are Available For Most Cars Specify Make, Model, And Year of Car, Allow 3 Weeks For Delivery. No COD's. Shpg. wt., 2 Ibs.
17 P 800892
Net 6.95

## NEW only LOW PRICE 1395

With Universal Face Plate, And Mounting Hardware

One of the most complete universal car sound systems ever designed. Includes an AM/FM/FM stereo radio and 8 -track stereo tape player In one compact case with adjustable shafts. For in-dash installation optional Custom hits are avallable. Features advanced solid-state circuitry-6 IC's, 14 silicon transistors, and 14 diodes. 6 -watts output per channel. Controls: volume, tone, balance, channel selector stereo/mono switch. Also has channel indicator lamps and FM stereo indicator light. For 12 Volt neg. ground systems. Size: 71\% "Wr25\%"Hx73/"'D. Imported. 17 P 80071 W No Money Down* Shps. wt., 81/2 Ibs. ....Net 139.95 Set of 2 Deluxe Lafayette Rear Deck Speakers. Imported. 99 P 62986 Shpg. wt., 3 lbs.

# Speakers for Car Stereo Tape Players 

LAFAYETTE "QUICK MOUNT" STEREO HI-FI CAR SPEAKERS

Only
$14^{95}$

- Handles 10 Watts

Per Speaker

- Easily Fastens to the Fire Wall, Kick Panel or Under Seat

Quality pair of $51 / z^{* *}$ speakers with 5.5 oz. ceramic magnets, and cloth roll suspension for true hil.fi sound in the car. Impedance, 8 ohms. Will mount in minutes. No holes to cut or saw. Just drive screws through the convenient flanges on the outer plastic grill. Includes wire, hardware, and illus. irated mounting insiructions. Wt., $33 / 4 \mathrm{lbs}$. 32 P 01977 ...............Net Per Pair 14.95

PAIR OF OELUXE REAR DECK SPEAKERS WITH LOUVER GRILLS


- $4 \times 6^{\prime \prime}$ Wide Range Speaker
- Multi-Impedance- 4 and 16 ohms

Features Direct-A.Sound lowvered grills. Adjust the louvers to direct the stereo sound to your own taste. Powerful $4 \times 6^{n}$ speaker with 5.36 ol magnet handles 16 watts of power. Includes 32 ft . of speaker wire. Black with silver trim. Shpg. wt., 7 lbs.
17 P 74025 W
...Net 19.95

## CAR SPEAKER SWITCH

## PAIR OF TRUSONIC DIE-CAST STEREO <br> HI-FI SPEAKERS FOR THE CAR

Now use your car radio speakers to play your stereo tape player. No need to buy additional speakers. Comes complete with wire, chrome plate, and mounting instructions.
i7 P' 63036 Shpg. wt., 4 oz.
Net 2.95

PAIR OF DELUXE TRUSONIC 6" 2-WAY HI-FI SPEAKERS FOR THE CAR

per pair

- 2 lb. Magnet Structure
- 25-Watts Power Handling
- Frequency Response $45-18,000 \mathrm{~Hz}$

The ultimate in an automobile speaker. Remarkably smooth response. Massive 2 lb . magnet structure. 1" voice coil. Pressure die-cast frame. Free edge cone suspension, separate high irequency come. Free air resonance 40 Hz . Impedance: 8 ohms. Hand. some black square grille with silver trim. Custom mounts in door panels or on rear deck. Includes hook-up wire. instructions, and templates. Wi., 8 lbs. No Money Oown ${ }^{\circ}$. 32 P 49604 ..................Net per pair $44.95^{\circ}$

## REPLACEMENT GRILLS FOR CUSTOM CAR SPEAKERS



For $5^{\text {N }}$ speakers. Two types to choose from: perforated steel or black molded plastic. Supplied with all necessary hardware. Shpg. wt. 1 lb .
Perforated steel-diameter 53/4"
32 P 49547 $\qquad$ .....Net 99
Black molded plastic-diameter 5\%."
32 P 49554

Popular Priced LAFAYETTE Speakers for Car Stereo Tape Players


## PAIR OF $3 \times 5$ UNOER. DASH MATCHING SPEAKER SYSTEMS



$6^{95}$
Handsome pair of two $3 \times 5$ * wide-range ceramic speakers mounted in plastic housing. Will mount under dash, under seats, on kick panels, doors, or rear package shelf. Includes all nec. essary cables and mounting hardware. Impedance, 8 ohms. Imported. Shpg. wt., $21 / 2$ ibs. 99 P 62994 .................Net 6.95

CUSTOM INDOOR SET OF FOUR SPEAKERS \& MATCHING GRILLS
DELUXE PAIR OF
REAR DECK MATCHING
SPEAKER SYSTEMS


Ready for quich installation. Im. proves the sound of any car tape player. Kit Includes: Four 4y/4" extended range 8 -ohm PM speakers: four round custom mount plastlc speaker grills; hookup wire with soldertess connectors; mounting hardware and easy in. structions. Imported. Wt., 31/2 bs.

99 P 6286
$10^{93}$
Set of two powerful $4^{\prime \prime}$ speakers mounted in handsome ebony plastic cablnets with silver trim. oesigned to mount on car's rear deck. 5 watts peak handiling power. Provides outstanding sound reproduction. Includes all necessary cables and mounting hardware, Imp. 8 ohms. Wt., 2Y/4 lbs.

## Accessories For Car 8-Track Stereo Tape Players

## NEW Deluxe LAFAYETTE Home Power Supply For Car Tape Player

## Converts 115 VAC to 12 VDC at 4 Amps Continuously <br> $15^{95}$

- Handles Up To 5 amps Intermittent
- Heavy Duty Binding Posts
- Neon Indicator Light
- Accessible Fuse On Front Panel

Double the use of a car stereo tape player by using It in your nome or office. Converts 115 volts AC to 12 volts DC. Handles a maximum load of 5 amps. Features on/off switeh, heavy duty color coded binding posts, neon indicator light, and accessible fuse in front. Black metal cabinet. For 117 VAC . 60 Hz . Slze: $4^{3} \mathrm{bW} \times 6 \mathrm{H} / 2^{\mathrm{D}} \times 3^{\mathrm{m}} \mathrm{H}$. Shpg. Wt., 6 lbs .

99 P 16099

## Universal Lock Mount For Car Tape Players

## Prevents Theft



Tape Player Floor Auto


- Adjustable-fits all Tape Players

Screws firmly to floor. 1" strap holds tape players firmly in place. Easy access to all controls. Steet construction. Size: $101 \mathrm{~m}^{\prime \prime}$ to $143 / 4^{\prime \prime}$ wide, $101 / 4^{\prime \prime}$ long. Rear height: 546", front height' $9^{+}$. Shpg. wt., $51 / 2$ lbs. 42 P 68009w
Universal Power Connector Harness for Car Tape Players
195
Ideal for Installing tape players in cars. Features one plug-universal to all car stereotape players. Intine fuse holder and speaker leads. Complete instructions for: 5 pin, 4 pin, 4 pin "Y", and 4 pin "odd" connections. Shpg. wt., 6 ozs.


## 4-Track

 Cartridge AdapterPermits 4-track car. tridges to be played on 8 -track car players. Shpg. wt., 602.
17 'p 26132 ..Net 2.95

- Remove Your Tape Player When Your Car is Unprotected
Prevent the theft of your car stereo tape player. Makes your player removable. Takes minutes to instalt. Adjustable mount adapts to car stereo tape players or CB transcelvers. once installed, no screws or wires are need. ed to disconnect player from mount. Plugs-in and locks. For 6 or 12 V . neg or positive ground. Dim,: 61/6Wx71/0Dx1"H.
17 P 63010 Shpg. wt., $21 / 4$ lbs. Net 5.95


## Universal FM Stereo Tuner Cartridge

## $34^{95}$ <br> with Auto-Y aitenda

- FM Stereo Indicator Light - Built-in AFC


Converts Stereo 8-Track and 4-Track Car Tape Players Into an FM Stereo Radio
Listen to full dimensional $F M$ stereo radio broadcasts In your car. Inserts into your car tape player just like a regular tape cartrldge. Requires a gvoll battery (not in. cluded). Features instant-on solld-state cir. cultry, FM stereo Indicator light, built-in AFC to prevent station drift, roli-bar FM funing, and an auto. $Y$ antenna. size: $71 / 2 x$ 31\% $\times 7 / 8=\mathrm{D}$. Imported. Shor. wt. 1 1b. 17 P 43053 L . No Money Down Net 34.95 99 P 602129 V Bat. for above Net . 31
Universal "L" Bracket
11


Designed to fit all car stereo tape players Adjustable slotted bracket is ldeal for diffi culf under-dash mountings. Size: $21 / 3 \mathrm{~W} \times 7 \mathrm{D}$ , $3 \%{ }^{\circ} \mathrm{H}$. Shpg, wt., palr. 1 ib . 17 1.63044

## AM/FM " $\gamma$ " Connectors <br> 

AM/FM "Y" connectors enable you to connect your car steren tape player with buitt-in FM radio to the standard AM fadlo jach. Two types of connectors are available: standard $21 / 4$ " "Y" connector and for hard-to-reach fadlos under dash, "y" connector with 5" flexible lead. Shpg, wi., 602.
17 P63051 "Y" Connector ...... Net 1.69 17 P $63069^{\text {"Y" }}$ " Conn. w/5" lead. Net 2.19
Mobile Burglar Alarm For Car Tape Players

## $4^{95}$



Connects to your horn and tape player. Morn automatically blows when someone tries to steal equipment. 2-way switch permits removing player without sounding alarm. For 12 V neg. gnd. With wire, mounting hardware. 42 P 71011 Shor. wi.. 4 O2. ......Net 4.95

## LAFAYETTE Recording Accessories

LAFAYETTE BULK TAPE ERASERS


PROFESSIONAL MODEL

- Completely Erases Tape
- Two Erasing Coils
- Erases up to 1 " Tapes
- Erases $1 / 4^{*}$ Tapes in One Operation-No Reversing
- For 3", 5", $7^{\prime \prime}$ or $10^{1 / 2 "}$ Reels

A carefully designed and precisely manufactured tape "degausser" for complete erasing of tapes. Just place the tape reel on spindle of demagnetizer, slowly rotate 2 or 3 turns, take off, and that's alt. Reduce tape hiss to the level of new "virgtn" tape. Two completely separate colls are used for doubly-effective erasures, even of large, $101 / 2^{*}$ reels. Will erase $1^{-1}$ wide tape. An extra powerful unit for heary.duty use-draws over' 9 amperes. Can be used to demagnetize tape, magnetically stripped film, plus fools and watches. Has a heavy, custom finished case, a rugged non-magnetic top, heavy duty on-off switch and power cord. Has built in fuse. Pilot light prevents accidentally leaving it turned on. Size $61 / 4 \times 77 / \mathbf{N a}^{\times 142^{2}}$. $\mathbf{1 0 5 . 1 2 5 V}, 60 \mathrm{~Hz}$. Imported. Shpg. wt., 127/4 lbs.
99 P 15166 Professional Model
Net 34.95

## Deluxe Model

Similar to professional model for all size reels but handes only standard size $1 / 4^{*}$ tapes or smalter and reel must be turned over once. Has separate spindle positions for $101 / 2^{\prime \prime}$ and 3,5 , and $7^{\prime \prime}$ reels; non-magnetic bakelite plate for reel rest. One powerful coll consumes 5 amps . Metal case $71 / 4 \times 41 / 4 \times 31 / 2^{\prime \prime}$. Imported. Shpg. wt., $43 / 4 \mathrm{lbs}$
99 P15182
Net 12.50

## HAND HELD BULK ERASER

- Utmost Versatility-Demagnetizes Cassettes, Cartridges. All Size Reels and Equipment

Easily erases lapes or sound films regardless of reel size. Convenient, comfortable hand held de$11^{50}$ sign. Also demagnetizes capstans, tape guldes, etc. Lowers background noise better than new tape. Sale, durable plastic case and control switth, High intensity field with low power consumption.
28 P 30016 Shpg. wt., 23/4 lbs. Net 11.50

## LAFAYETTE CORDLESS 3-WAY TAPE ERASER

- Universal Tape Eraser for Cassettes, 8 -

Track Cartridges and Reel-to-Reel Tapes

$8^{88}$


A compact, easy-to-use universal tape eraser which work's on a self-contained $O C$ source. Pow. eriul rotating magnets provide the strong field which removes previous recordings and noise from cassettes, 8 -track cartridges and open reel tapes. Requires 4 -inexpensive $A A$ penitite cells (not supplied). Has On-Off slide switch; plastlic case. Size: $4 K_{0} \times 3 / 42 \%_{0}{ }^{\prime \prime}$. Imported. Shpg. wt., $11 / 2 \mathrm{ibs}$.
99 P 15877 Eraser (less batteries) Net 8.95 $11 / 2$ volt AA cells for above ( 4 -required). 99 P 62580 ........................ 10

## LAFAYETTE TAPE HEAD

 DEMAGNETIZER WITH SWITCHPencil shaped head demagnetizer with one extending probe. Styling allows you to reach all heads in all positions. Features switch control ... no need to leave unit on constantly. Turn on when needed and off to conserve unit's ilfe. Operates on stand. ard 110.120 VAC 60 Hz . Imported. Shpg. wt., 9 oz . 99 P15331

Net 2.95

## TAPE CLEANER

Tape is Impregnated with specia! formula cleaner. Simply run through like regular roll of tape, Entire job done in 2 minutes. Can be reused many times. Shpr. Wt. 5 oz.
28 P 20017 Tape Cleaner on $5^{\prime \prime}$ reel .... Net 1.88 28 P 20025 Tape Cleaner on $3^{\prime \prime}$ reel ... Net . 99

## 1200 FT. LEADER TAPE ON 7 INCH REEL

Lafayette brings you this jumbo reel of leader tape at a tremendous savings over the cost of leader lape customarily available in 100 ft . quantities. 11/2 mil mylar tape. 1200 ft . $\times 1 / 4^{4}$ wide on $\gamma$ - clear plastic reusable reel. Individually boxed.
28 P 77017 Shog. wt., $3 / 4 \mathrm{lb}$.
Net 2.69

TELEPHONE PICKUP COIL


Designed to feed into the microphone input of a lape recorder or any high gain amplifler. Easily attached to the telephone by rubber suction-type aftachment. Has $41 / 2$ foot shielded cable with $1 / 8^{\prime \prime}$ miniature plug. Imported. Shpg. wt., $40 z$. 99 P 61970

Nef 89

## TELEPHONE PICKUP FOR <br> CRAOLE OR UPRIGHT PHONES



Induction telephone pick-up for cradle or upright phones. Simply place base on pickup and connect leads to high Impedance input of an audio ampltfier or directly to a lape recorder. Imported. Shpg. wi., 502. 99 P 10340

Net 1.59


Extremely sensitive loop type telephone pich. up coil for use with recorders, amplifiers and dictating machines. Loop easily slips on ear piece of phone. 3 ff . shieided cable with miniature $1 /{ }^{\prime \prime}$ plug. Imported. Shpg. wt., 6 oz.
28 P 65129
Net 2.98


Designed with symmetrical hum cancelling plck-up coils to eliminate high stray hum pickup usually encountered with conven. tional colls. For use with high impedance tape recorders, amplifiers and dictating machines. Double suctlon cup for easy mounting. $5^{\circ}$ cable with stripped leads. Shpg. wt., 402.
28 P 32012
Net 6.65

## Tape Recording Accessories

COUSINO AUDIO VENDOR

- Continuous Repeating Magnetic Magazine Tape

Endless tape loop magazines provide continuous play. Ideal for sales messages, language study, sleep learning, exhibits, etc. Fils most standard recorders. Running time in minutes at $33 / 4$ ips. Counter. clockwise. 150.000 Series $21 \mathbf{m}^{\prime \prime}$ dia., 131.000 Series $35 \mathrm{~m}^{\prime \prime}$ dia., 121.000 Serles 5 Kıa $_{4}$ dia. Avg. wt., 902.

| STOCK NO. | TYPE | RUNNING TME | NET |
| :---: | :---: | :---: | :---: |
| 28 P 35031 | 150003 | 3 Min . | 3.95 |
| 28 P 35049 | 150005 | 5 Min . | 4.75 |
| 28 P 35056 | 131008 | 8 Min . | 7.15 |
| 28 P 35064 | 131012 | 12 Min . | 8.00 |
| 28 P 35072 | 131015 | 15 Min . | 8.95 |
| 28 P 35080 | 131018 | 18 Min. | 9.75 |
| 28 P 35098 | 121024 | 24 Min . | 10.95 |
| 28 P 35106 | 121030 | 30 Min . | 12.95 |

TWIST-LOCK STYRENE CANS


- Buy the set - save and Get the chest free!

12 dust-free, moisture-proot unbreakable styrene tape cans in storage chest. Can has foolproof twist lock leature and is ribbed for convenient stacking. Center locking stud prevents reet movement on all $7^{7 "}$ reels and most $3^{\prime \prime}$ and $5^{\mathrm{m}}$ reels. Shpg. wt., $41 / 2 \mathrm{lbS}$. 28 P65103W

Net 4.75
28 P 65111 Wt TWIST-LOCK CANS ONLY
Single ea. . 45

## LAFAYETTE RECORDER PATCH CORD



Ideal For Making Connections From Radio, Phone or TV To Tape Recorder
Handy $6 \mathbf{f t}$. lead has insulated allizator clips at one end and RCA phono plur at the other. Supplied with shielded phono plur adapter to adapt the RCA phono pluz to standard phono plus if necessary. Atlach alligator cllps to speaker terminals and simply plug other end into tape recorder. Ideal for recording from Radio, Phono or IV. Imported. Shpz. wt., 5 oz.
99 P 15174
Net 1.10
LAFAYETTE STEREO
RECORDER PATCH CORD


Ideal for making tape recorder connections from stereo receivers, tuners and amplifiers having front panel tape output jacks. A convenient 6 foot cable has sterea 3 conductor phone plug at one end and two standard color coded RCA type phono plugs at the other. Inseft phone plug into front panel tape output jack of recelver, tuner or ampll. fier and connect phono plugs to inputs of tape recorder for convenient connection. imported. Shpg. wt., 5 oz.
99 P 63364
Net 1.48

## HEAD AZIMUTH ALIGNMENT TAPE

for accurate align. ment of recorder heads for maximum sound output 100 ft . on $242^{\prime \prime}$ reel. Tape has 6 kHz steady tone in either direction. Insiructions included. Shpg. wt. 3 oz . 28 P 71184

Net 1.29


Ellminates awhward fumbling. Place tape against reel, slip threader on - turn cranh lape is theaded. Use with all $5^{*}$ and $7{ }^{7 \prime}$ reels. Shpg. wt., 302.
28 P 60211
Net 89

CLEAR PLASTIC REELS


Sturdy, non-warp plastic reels for recording tape. All clear plastic. Avg. Shpg. wi., 4 oz., singly,
28 P $230523^{\prime \prime}$ reel
lots of 4. Ea. . 1 Singly, Ea. . 13
28 P 23011 31/4* reel .lots of 4, Ea, . 12
28 P $230295^{\prime \prime}$ reel Singly, Ea, 15

281P 23037 7" reel lots of 4, Ea. 26 Singly, Ea. 29 lots of 4. Ea. . 34 Singly, Ea. 34

## LOW TORQUE REELS

Professional type clear plastic reels with larke hubs for smooth tape feed and reduced flulter. Shpr. wt., 4 or ea. $5^{\prime \prime}$ Low Torque Reel-Holds $400 \mathrm{ft} .11 / 2 \mathrm{mil}$, $600 \mathrm{ft} .1 \mathrm{mil}, 800 \mathrm{ft} .1 / 2 \mathrm{mll}$ or 1200 ft . $1 / 2$ mil triple play tape.
lots of 4, Ea. . 49 Singly, Ea. . 54 7" Low Torque Reel-Holds $960 \mathrm{ft} .11 / 2 \mathrm{ml}$, 1440 ft . $1 \mathrm{mil}, 1920 \mathrm{tt} .1 / 2 \mathrm{mil}$ or 2880 tt . 1/2 mil triple play tape.
lots of 4, Ea. . 58 Singly. Ea. . 65
RECORDER TEST TAPE


Checks speed, timing, wow and flutter. For $71 / 2$ IPS. Accurate within $1 / 10$ of one per. cent. Shpe. wt.. $20 z$.

## 28 P 50014

Net .98

## REUSABLE CLEAN-LUBE

CLOTHS Protects recording tape by depositing a silicone film Eliminates tape squeal a chatter. Cloths are wastable. Pleg. of 4 cloths. Shpr. wt.. 402. 28 P 72638 Net .79
REEL LOCKS

## 

Holds tape recorder reel in prace by locking spindle to reel. Especially useful If recorder is in vertical position. Will not interfere with normat operation of reets, Easily removable. Imported. Shpg. wt., 3 oz.
99 P 15190 Set of two
Net 49

METAL STORAGE CANS
 $38^{\circ}$ Lots of 6

Cans are ribbed for easy stor. are. Precision fit. Baked enamel finish. Av, wt., 808.

28 P63066 5" Can Iots of 6, Ea. . 38 Singly, Ea. . 43 28 P63074 7* Can lots of 6, Ea. . 41 Singly, Ea. . 49


## PROFESSIONAL

 EDITALL TAPE EDITING KITAll you need for a complete professional editing job. The cutting block is made of duraluminum precisely machined and polished (makes straight or diagonal cut). All accessorles such as grease pencit. blades, spiting tape ( 66 ft . roll of $1 / 3_{4}{ }^{\text {n }}$ ) supplied. Comes with instruction booklet-in a smart plastic case. Shpg.wt., 702.
28 P 38050
Net 10.00

## TDK SD SUPER DYNAMIC 7 INCH REEL HI-FI TAPE



- Low Noise.High Output
- Extended Frequency Response

A professional grade tape developed specifically for today's highly sophisticated recorders having wider dynamic range, ex. tended frequency response $(20-30,000 \mathrm{~Hz})$. improved signal to-molse ratio, and increased output level. Ideat for those critical sound recordings where high fidelity is a must. Gamma ferric oxide coating on polyester base. Imported. Shpg. wt., 1 lb.
1200.501200 Ft .1200 Ht . of lape on large diameter, low-torque $7^{\prime \prime}$ reel.
28 P24506
Net 3.59
1800.S0 1800 FL 1800 ft . of tape on a stand. ard $7^{*}$ plastic reel.
28P24514
Net 4.99

## Tape Cleaners-Demagnetizers-Splicers



## HEAD CLEANER AND TEST TAPES

## ness of tone.

149


- For Either Cassette or 8-Track Equipment

1) Tests for Proper Head Alignment 2) Tests For Stereo Balance
2) Cleans Tape Head

Keep your recorder/player equipment sounding like new with professionally calibrated test tapes which also clean tape heads and restore full rich-8-TRACK HEAD CLEANER AND TEST TAPE 28 P 92016 Shpg. wt.. 6 oz. CASSETTE HEAD CLEANER ANO TEST TAPE 28 P 92024 Shpg. wt., 3 oz.

Net 1.49

## NON-ABRASIVE TAPE HEAD CLEANERS



- For Either Cassette or 8 -Track Equipment

A safe non-abrasive method of removing dust oxide and grif from tape head and capstan, as. ... oxide and grlf from tape head and capstan, asand cleaning liquild. Shpg, wi., 6 ot. 8-TRACK NON-ABRASIVE CLEANER 28 P 78122
CASSETTE NON-ABRASIVE CLEANER 28 P78163

## 8-TRACK TAPE CARTRIDGE MAINTENANCE KIT



An all-in-one tht for your g-track cartridge tape system, can also be used for your cassette tape system... keeps heads in top operating condition. Contains cleaner, lubricant, appilcators, brush and convenient storage case. Simple operation with descriptive instructions, Brushes fit logether to reach depths of player system. Ideal for all 4 and 8 track systems. Shpg. wt., $1 / 2 \mathrm{lb}$. 28 P 78015

Net 1.95

## LAFAYETTE TAPE SPLICER



- Two Operations-Cuts \& Trims
- Clean Splices in Seconds
- For Reet-To-Reel and 8-Track Recording Tape
- Splicing Tape Supplied

A sturdy precision instrument for professional use in all splicing and editing applica. tions. Gives clean, quick cuts on all tapes without losing significant portion of the sound track. Splicing tape fed from below will not foul and waste tape. Sharp long lastIng blades provide trouble.free operation. A must for professionals and demanding audio hobbyists. Imported. Shpg. wt., 9 oz.

## 28 P 09051

Net 3.19
Replacement splicing tape for above. 28 P 09069 Shpg. wt., 3 oz. Net . 39

Net 1.29
Net 1.29

tape head cleaners

- For Either Cassette or 8-Trach Equipment
Removes coating deposits from tape heads and restores both volume and high frequency re. sponse. Simply insert and run equipment. Can be reused.
8.TRACK MEAD CLEANER. Shpg. wt., 6 oz. 28 P 12923

Net .99
CASSETTE HEAD CLEANER. Shpg. wt., 4 oz. 28 P 16015

Net .99

## LAFAYETTE TAPE HEAD DEMAGNETIZERS



Removes excessive magnetic bulldup on tape heads and improves sound performance. Use after every 15 hours of player-recorder use. Imported.
FOR 117 V AC B-TRACK HOME PLAYERS
99 P 15091 Shpg. wt., 12 oz.
Net 4.25
FOR $12 V$ DC 8-TRACK CAR PLAYERS
99 P 15422 Shpg. wt., 12 oz. FOR CASSETTE RECORDER/PLAYERS
99 P 16057 Shpg. wt. 8 oz.
Net 4.95
Net 4.19

## AMPEX-DEMAGNETIZING/

 CLEANING CASSETTE
$4^{95}$

Cleans and demagnetires casseffe recorder heads and guides in one brief pass through the recorder. Since it requires no power, Itts all cassette recorders including slotloaded ones. Non-abrasive cleaning tape won't damage tape heads.
28 P 54008 Shpg. wt., 402 . Net 4.95

## LAFAYETTE TAPE RECDRDER CLEANER


$60^{\circ}$
with Applicator

Removes oxide accumulations, dirt and grit from tape heads, capstan, and guldes which come in contact with tape, and eliminates resulting distortions. Will not affect plastic parts. 2 ox. bottle with felt applicator. Shpg. wt., 702.
28 P 01462
Net 60

## CASSETTE TAPE SPLICER



Sturdy precislon instrument for use In all splicing and editing of cassette tapes. Imported. Shpg. wt., 7 oz .
99 P 15992
"PIN BALL" TOTAL SERVICE 8-TRACK CARTRIDGE


- Head Cleaner - Capstan Cleaner - Demagnetizer
- Track Switch Test

The mo track eq demagne demagne
is thorot is thorot
flutter. flutter. I rack switching mechanism moves the played head through all track positions while being serviced. Tape player cleaning solution supplied, Shpg. wt., 8 oz. 28 P 16023

Net 2.95


Cotton tipped 6 - inch applicators for cleaning and olling hard to reach parts of re. corders, phonos and other equipment. Pkg. of 100 . Shpg, wt., 4 oz .
28 P 01470
Net. 59


## LAFAYETTE HEAD CLEANER SPRAY

129
6 oz.
Spray Can
Sprays away accumulation of oxides, dirt and grease on all tape recorders and restores orlginal sound qual-
fly. $5^{-}$extension tube pinpoints application to hard-to-reach localions.
28 P 01488 Shpg. wt., 10 oz .
Net 1.29


CASSETTE TAPE SPLICERS. Professional editing and repairing of Cassette .150 tapes are now possible. Strip in sound effects and passages into existing tapes, repair broken
tapes. etc.
(F) IS . 115 Economy model "Cut'-N-Splice." Cuts at $45^{\circ}$ angle. 25 pre-cut, self-stick splicing patches included. Shpg. wi., 502. 28 P 72356

Net 2.98 (C) TS-215 Precision pocket size splicing block with choice of either $45^{\circ}$ or $90^{\circ}$ angle cut. Block comes in self-contained plastic carrying case with cutting blade and 25 precut splicing patches. Wt., 5 oz.
28 P 72364
Net 6.29
CASSETTE AND CARTRIDGE TEST STRDBES. With Strobe Tape and LIght builtin. Check your player/recorder for proper speed. Too fast produces flutter. Too slow, creates tape drag or wow. 110 V. $50-60 \mathrm{~Hz}$. A.C.
(J) TSC-9 Cassette. Shpr. we. 6 oz.

28 P 72414
 (10) TSC. 88 -Track Cartidge. Shpg. wt., 8 oz. 28 P 72422

Net 5.19
TSER-2 CASSETTE SDUNO SALVAGE KIT. (NOT illus.) Restore valued recorded tapes in broken or damared Cassettes to original operating state. Kit has complete cassette housing and parts with simple illustrated instructions for salvaging tape and assembłing cassette. Shpg. Wt., 40 ozs.
28 P 72562 ........................................ 75


TC-2-12 CASSETTE STORAGE CANISTEAS ANO UTILITY Boxes. Two plece, rigid styrene Canisters for sale storage of Cassettes. Builfoin tape stops. Package of 12 boxes. Shpg. Wt. 1 lb.
28P 72760
(H)TCC G "CARTRIOGE" COMPACT CARAYING CASE. Attractive. Iow cost. heavy duty vinyl. allizator grain. carrying case. Stores 128 track cartridge tapes. Ideal for home, auto, outdocrs. Shpg. wt., 1 lb .
28 P 72588 $\qquad$ .Net 3.29
Tr-15 splicing patches for splicers. Pre-cut, self-5tick. Pkg. of 100 . Wi., 202.
28 P 72380 (Not illus.)
Net .99

(N) TK-36 CASSETTE TAPE EOITING KIT. Has TS.115 "Cut N-Splice" splicer; 25 splicing patches. TCW-2 cassette tape tension winders, supply of TCL-20 color.coded self-stick cassette replacement title labels. TL.80 color-coding numbered index spots, and TCL30 color coded owner identification cassette end labels. An excellent value.
28 P 72604 Shpg. wt., 8 oz. Net 5.69
(P) CASSETTE AND CAMTRIOGE COLOR-COOE LOG KIT. TK-35. Catalog and Index your tapes by category: Red-Jazz, Yellow. Shows, etc. Kit contains: 120 page log book, 240 numbered index spots in 2 sets, 120 title fabels, all self-stick. in 5 basic Colors.
28 P 72539 Shpg. wt., $3 / 4$ Ib. . Net 3.59
(R) CASSETTE COLOR-COOE REPLACEMENT TIfLE LABELS, TCL-20. Self-stick, die.cut to fit Cassettes. Pkg. of 20 in 5 Colors. 28 P 72547 Shpg. wi., 3 oz. Net . 95 TCB-18 CARDBOARO CASSETTE MAILERS. (NOT lllus.) Package of 18. Features "bullt-in stops' to prevent tape unwinding or be. coming slack. Shpg. wt., $8 \mathbf{o z}$.
28 P 71952

TRL-8 A-TRACK CARTRIDGE TITLE LABELS. (Not illus.) Replace worn labels. Color-code tapes by category. Package of 20 , self-5tick, In 5 colors. Shpg. wt., 4 oz.

## 28 P 72620

$\qquad$ .Net 1.25
THC-7 CASSETTE HEAD-KLEEN TAPE. (Not II. lus.). Safely cleans and pollishes player heads. Removes accumulated oxides and other particles to maintain top sound performance, Shpr. wt., $3 \mathbf{0 z}$.

## 28 P 72349

Net .95
TCW-2 CASSETTE TAPE TENSIONING WINOERS. (Not illus.) Set of two winders. Insert in holes of Cassette. Winds in either direction to takerup slack and unravel tape.
28 P 72398 Shpg. wt., 3 oz. ....Net 1.09
TTK-1 CASSETTE AE-AECORD KIT. 50 reusable plastic erase control tabs to replace removed tabs of permanently recorded cassettes. Handy tool and instructions for simple insertion. Can be removed and replaced at will. Shpg. wt., 6 oz. (Not Hlus.)
28 P 72646 $\qquad$ Net .99
(I) TK. 3 CASSETTE AND CARTRIOGE PLAYER/ GECOROER HEAD-KLEEN KIT, 2-02. bottles of Head Cleaner. Head and Guide Lubricant, and 25 extrationg Cleaning Swabs for clean. ing and lubricating hard to reach parts of equipment. Shpr. Wt.. 11 oz .

## 28 P 72406

Net 1.49
(1) PHONE PICK-UP TRP-4, Record phone conversations with friends and relatives. Attaches by suction cup to receiver of phone. Plup attached. Simple, easy to use.
28 P 72430 Snpg. wt., 5 oz. ....Net 3.15
(M) TRP-5 HIGH GRAIN PROFESSIONAL "SOUND-RING" TELEPHONE INDUCTION PICKUP. High sensitivity for "full depth" record. ing of phone conversation. Attaches to phnne with ease. Slips over and surrounds the earplece of the phone. 3 ft . shielded cable is complete with minl.plug for use with all tape recorders. Shpg. wt., 6 oz.
20 P 72695
Net 3.99

## (0)-TSA.1W BOOK TYPE C CASSETTE STORAGE

 ALsum. Holds 12 Cassettes neatly in reces. sed compartments. Decorative walnut grain cover. Extra sturdy construction. Shps. Wt.. 1102.28 P72752
Net 2.19

(X) TS-1500 OELUXE CASSETTE TAPE SPLICER. All the convenient features and refinements of our best selling TS-80 Deluxe Splicer. Tape dispenser with roll of Splicing Tape. Gibson Girl Trim. Shpg. wt., 1 lb .

## 20 P 72778

Net 8.95
TS. 225 CASSETTE TAPE SPLICER. Bullt-in dispenser with Splicing Tape in base. Sturdy steel construction. fast and simple to use. Imported. Shpg. wt., 7 oz. (Not illus.) 28 P 72786

# R-EINS ${ }^{\circ}$ CASSETTE AND 8-TRACK CARTRIDGE ACCESSORIES 



5
(R) THC-15 "OOUBLE-HEAOER" B-TRACK CARTALDGE ADVANCED MAINTENANCE KIT. Has special formula Non-Abrasive cloth Head-Cleaner Tape at one end, and RecorderPlayer Drive cleaner at the other end. Either end of cartridge fits equipment. Includes bottle of head cleaner solution. 28 P 72711 Shpg. wt., $1 / 2$ lb. ....Net 2.99
(S) THC-14 "DOUBLE-HEAOER" 8-TRACK "TUNE-UP" CARTRIOGE. Has beeper head cleaner tape at one end, and lape drive cleaner at other end. Beeper cleaning tape has recorded beep signals to indicate number of times tape passes and contacts head of player-recorder durling cleaning operation. 28 P 72729 Shpg. wt., 5 oz. . Net 229



W
$u$

(U) CASSETTE RAPIO REWINOER. Your re. wind blues are over. Rewind a C-60 cassette in only 22 seconds. Reduce wear and tear on your recorder and end rewind interruptions. Compact $4 \times 23 / 4 \times 2^{\prime \prime}$. One hand operation. Powered by 1 standard " 0 " cell (not includ ed). Shpg. wt., $120 z$.
28 P 72794 Less Battery
Net 8.99
99 P 62564 D cell (1 req.) $\qquad$ Net .19
(1) TSA. 33 "MININ" CASSETTE STORAGE ALBUMS. Set of 3 library albums. Each stores 3 cassettes.
28 P 72737 Shpg. wt., 7 oz. ....Net 2.19 (V) TTC-1 CASSETTE TORQUE TESTER. TESTS take-up tenston of tape winding mechanism of all Cassette recorders and players. Inserted like a standard Cassette Tape. Easy to read gauge. Shps. wt., 8 oz.
28 P 72802
Net 4.99
(w) IHC-2 CASSETTE TUNE-UP MAINTENANCE KIT. Special formula non-abrasive polyester cloth tape gently cleans recorder heads. Includes bottie of cleaning fluid. Shpg. wl., 10 oz 28 P 72810
.Net 1.49

(A) TK-9 COMPLETE TAPE EDITING WORKSNOP. Tape Winders lor reels to $7^{\prime \prime}$, Deluxe Tape Splicer with Splicing Tape. Sturdy walnut grained base has Callibrated Tape Timing and Editing Scale. Editing Pencll and Editing Guide Book included. Shpg. wt., 2 lbs.
28 P 71069
Net 16.75
(8) TS.8D DELUXE STEREO SPLICER. Precision diagonal cut and "Grbson Girl" trim. "Seethru" windows show "Cut" and "Trim." Tape guide and fingers secure tape. Tape dispenser has $3 / 2^{\prime \prime} \times 100^{\prime \prime}$ roll Splicing Tape. Replaceable cutter pad and blades. Blade centering adjustment lor accuracy. Of superstrong Cycolac. Instructions.
28 P 60096 Shpg. wt., 1 lb.
Net 8.59
TS-8E ECONOMY SPLICER. LOw cost version of the TS.80 Deluxe Splicer. If has fewer refinements, but it does the job. A best buy! Inctudes roll of Splicing Tape.
28 P 72828 Shpg. wt. 6 oz.
(C) Ts-7S standaro stereo splicer. Same features as TS-8D. Made of plated steel and plastic. Dispenser has $3{ }^{\prime \prime \prime} \times 100^{\prime \prime}$ roll Splicing Tape. instructions
28 P 71416 Shpg. wt., 9 oz. ....Net 6.29
TS.7I JUNIOR "STEREO" SPLICER. (Not illus.) Same as TS.7S, less dispenser and iape. Uses 3 3" wide splicing tape.
28 P 71424 Shpg. wt., 8 oz. ......Net 5.45
(0) TS-6 Detuxe "CuT-m.Splice." Cuts tape at $30^{\circ}, 45^{\circ}$, or $90^{\circ}$ angle. 25 self-stick Splic. ing Patches included in bulit-in tray of splicer.
28 P 70863 Shpg. wt., 6 oz. .......Net 2.99
(F) TM- 2 MAGNETIC TAPE EDITING PEN. Erase single sounds, nolse, etc. from recordings. Fade in and out for special sound effects. 28 P 71549 Shpg. wt., 3 oz. .....Net 1.65
tsp-so sensing and cueing patches. (not Hlus.) Aluminum foil. $1 / 4^{\prime \prime}$ wide $\times 3 / 4^{\prime \prime}$ leng ths. For recorder with automatic stop and reverse control.
28 P 71150
Net 1.05
TSP-240 SENSING AND CUEING TAPE. Roll of aluminum foll tape $.240^{\prime \prime}$ wide $\times 150^{\circ}$ length. Prepares tapes for use with recorders having automatic stop and reverse controls. (Not illus.)
28 P 72653 Shpg. wt., 40z. ......Net 1.98
SPLICING TAPE. Mylar. Wt. ed. 2 oz. (Not Illus.)

TST-233 Pkg. of 75 Self-Stich Splicing Pateh. es for TS-14, TS-6, TS-5 Splicers.
28 P 70921 (not illus.)
Net 79
TK-6 NEAD-CLEAN AND LU8E KIT. (Not illus.) 2 oz. bottles. Head Cleaner and Head and Gulde Lubricant.
28 P 70855 Shpg. wt., 11 o2. .. Net 1.39
(L) TLA-1 TAPE-CLEAN-LUBE SYSTEM. Selfstick base mounts to deck of any recorder. Applies liquid Silicone Lubricant and Cleaner to both sides of tape while playing. Reduces recorder head and guide wear. Stops tape squeal. Reduces drag. Includes extra lubeCleaner.
28 P 71911 Shpg. wt., 7 oz. .......Net 3.29

## TZ.9 REPLACEMENT KIT FOR TLA-1 TAPE

 CLEAN LU8E SYSTEM. Bottle of tape cleaner and lubricant with two felt applicators.28 P 72679 Shpg. wt., 6 oz........Net 1.79
HEAD OEMAGNETIZERS. In normal use, heads build-up magnetism resulting in loss of fidelity. Demagnetizers safely remove mag. netism from heads to improve recorder sound performance.
(M) TO.G PROFESSIONAL UL LISTEO HEAD OEMAGNETIZER.
110 VAC., Wt., 10 oz .
28 P 60260
Net 7.65
(N) TO.3 DELUXE NEAD DEMAGNETIZER. FUIly encapsulated components. 110 VAC, wi., 802.

28 P 60278


MAGNETIC BULK TAPE ERASERS. Erase tapes in seconds to below normal recorder erase head level. Restores tapes to "blank" condition. For magnetic stripped film also. All units 110.120 V. $50-60 \mathrm{~Hz}$. AC.
(AA) TM-77 DELUXE 8ULK ERASER. For $1 / 4$ " tape, reels to $7^{\prime \prime}$. Erasure 2 to 4 db below normal erase head level. Size: $23 / 8^{\prime \prime} \times 33 / 4^{\prime \prime} \times$ 61/4". Shpg. wt., $41 / 4$ tbs.
28 P 60252 $\qquad$ Net 19.29
(B8) TM-99 PROFESSIDNAL UL LISTED BULK ERASER. For lape to $1 / 2^{\prime \prime}$ wide, reels to $1012^{\prime \prime}$. Erasure 3 to 6 do below erase head level. Size: $51 / 4 \times 63 / 4 \times 33 / 4^{n}$. Wt., $93 / \mathrm{lbs}$ 28 P 60245

Net 34.50
(CC) TCP. 12 SET DF 12 DEtUXE INOIVIOUAL MOLDED TAPE SAFES. Protects $7^{\prime \prime}$ tapes from dust, dirt, ageing. Hinge covers. 8ottoms have dovetall grooves to fit metal wall mount brachet included. (less tape and reels). Shpg. wt. $63 / 4 \mathrm{lbs}$
28 P 71226
Net 12.99
(DD) TRP- 2 PHONE PICK-UP. Fastens to phone by suction cup. Provides clear recording of phone conversations. Has 5 ft . cable with stripped ends to attach connector to fit recorder, Shpg. wt., 3 oz.
28 P 70947
Net 2.69

TAPE-CLEAM. (Not Illus.) Chemically treated cloth tape cleans and lubricates heads and guides of recorder when played. Deposits film of Silicone for friction-Iree tape path. THC-3, $3^{\prime \prime}$ reel Wt. 3 oz.
28 P 71168
Net 1.35
THC-5, 5" reel. Wt., 5 oz . 28 P 60351

Net 2.29

TB-15 CAROBOARD TAPE MAILING BOXES. (Not dlus.) Package of 15 . For up to $31 / 4^{\prime \prime}$ reels. 28 P 71580 Shpr wt., 8 oz. Net .89

EMPTY REELS FOR ALL RECDRDERS. Packaged clear plastic reels in all sizes, except * is phg. of six $3^{\prime \prime}$ reels in assorted colors. + indicates Low torque reel. Avg. wt. per pkg., 1002 .
Stoch Mo. Mrr's Type size Phg. Net

| 28 P 70954 | TR20-6 | $2^{\prime \prime}$ | 6 | 5 |
| :---: | :---: | :---: | :---: | :---: |
| 28 P 70962 | TR25-6 | 21/2" | 6 | 75 |
| 28 P 70970 | TR30.6 | 3" | 6 | 75 |
| 28 P 70988 | 1R32.4 | $31 / 4{ }^{\prime \prime}$ | 4 | 75 |
| 28 P 71259 | TR36.6* | $3^{\prime \prime}$ | 6 | 85 |
| 28 P 70996 | 1R40.4 | $4{ }^{*}$ | 4 | . 89 |
| 28 P 71002 | TR50.2 | 5" | 2 | . 69 |
| 28 P 71317 | TR53-2+ | 5" | 2 | 1.19 |
| 28 P 71010 | TR70-2 | 7 | 2 | 79 |
| 28 P 71028 | PR74-2 + | $7{ }^{\prime \prime}$ | 2 | 1.39 |

TL. 9 LONG FITLE LABELS. (Not illus.) 3 " $x$ $9122^{*}$. Self-stick, Label canisters, boxes, etc. 28 P 72166 Pkg. of 50 . Wt. 4 oz . Net. 79

TPP-2 RECORDER REPLACEMENT PRES SURE PADS (Not lllus.) PKg. of 44 self-stick assorted sizes in two thicknesses for most recorders. Shpg. wt., 402. 28 P 71119

Net 85


## RECORDER AND TAPE CARE ACCESSORIES

(EE) THC-12 QUICK-CLEAN FELT PEN. WITh pochet clip. Applies efficient fast drying solvent to remove dirt, accumulated oxide from recorder heads to improve sound fidel. ity. Includes fluid supply. Imported.
28 P 72091 Shpg. wt., 3 oz. ...Net 1.19
(FF) TK-4H TAPE EDITING AND CARE KIT. CONlains TS-2 Tape splicer assembly mounted to recorder, $1 / 2^{\prime \prime} \times 100^{\prime \prime}$ roll of splicing tape, tape cleaning cloths, 12 tape clips and tape editing and splicing guide. Shpg. wt., 8 oz. 28 P 72703 $\qquad$
GG) BLOWER BRUSH \&TBR.1 SQueER r and soff camel's hair prush Blows away dust and other particles from delicate recorder heads, guides, and other parts. Ideal for phono, records, delicate parts, fine opical lenses, etc
28 p 72133 Shpg. wt., 4 oz. ....Net 1.39
(HW) MSW-125 "SWAB8IES". Soft cotton tips wound on $6^{\circ}$ applicators for cleaning and olling hard to reach parts of equipment. Pachare of 125
28 P 72117 Shpg. wt., 6 oz. ....Net . 79

(KK) TB-3 RECOROER CLEANING BRUSH. SPEcially designed brush for getting at all the dust and oxide deposits on all recorder parts, except heads. Made in England. Shpg. wt. 502.
28 P 72836
.Net . 8
(LL) TW-2 REEL-TO-REEL TEST STROBE. SIMple, accurate device tests tape recorder speed at $33,41 / 2$, and 15 lps . Double sided for use on elther 50 Hz or 60 Hz AC current Simple instructions included. Made in Eng. land. Shpe wt., 402.
28 P 72844
Net 1.59
(IJ) TK-5 TAOE STROBE AND LIGNT KIT. Tests speed accuracy of recorder at $15,71 / 2$, and $33 / 4$ ips. Strobe tape neon lamp. 110 VAC. 28 P 72125 Shpg. wt., 5 oz. .... Net 1.99

THS. 1 HEAD-KLEEN SPRAY. (Not illus.) 407. Aerosol formula Head Cleaner removes ac cumulated oxide, grime, and other particles from recorder heads. Extension nozzle in cluded for easy access to hard to reach heads 2B P 71945 Shpg. wt., 6 oz. ....Net 1.19

THC-1 HEAD.KLEEN PDLISHING TAPE, (Not lllus.) $3^{\prime \prime}$ reel, 225 ft . Removes oxide and alt particles from heads when played.
28 P 71606 Shpg. wt., 3 oz. ....Net 1.59

L8.1 LOG BOOK. 120 page Log Book for index ing recordings on reel-to-reel tapes, cassettes, 8 -track cartridges and phono records, by title, artist and category. (Not Illus.) $28 \dot{P} 72661$ ShpR. wt., 6 oz . Net 1.29

TL. 80 TAPE AND bOX InDEX SPOTS. (Not llius.) Phg. of 240 . Numbered 1 to 24,2 sets in 5 basic Colors. Sell-stick. Index tapes and their matching boxes or canisters. Wt. 3 oz . 28 P 72075

Net .99
TL-240 COLOR-CODE TITLE LA8ELS. (Not illus.) $2^{\prime \prime} \times 1 / 2^{\prime \prime}$ self-stich, 40 each of 5 Colors. Write or type. Label reeis, boxes, canisters, etc. Pkg. of 240. Wt. 4 oz . 28 P 71507

Net 1.19
TK-2 TAPE KARE KIT. (Not Illus.) 2 oz. bottle of Mead Cleaner and Tape Cleaning Cloth. 28 p 70483 Shpg. wt., 7 oz. ... Net 1.39 tX- 20 tape head Cleaner. (Not Illus.) 2 oz. bottle with applicator
28 p 60310 Shpg. wt., 6 oz. ... Net .75 TX-33 TAPE DRIVE OIL, (Not illus.) 2 oz, bottle with applicator. Inhiblts rust and oxidation. 28 P 72083 Shpg, wt., 7 oz. .... Net . 59 TX-22 MEAD ANO GUIDE LUBRICANT. (Not Illus.) 2 oz . bottle with applicator. silicone base llquid. Provides friction-free tape Dath. 28 P 71937 Shpg. wt., 6 02. .... Net . 75

## AUDIO DEVICES AND ACCESSORIES

(MM) TX. 35 AUDIO LUBE KIT. Specially com pounded lubricating ofls and grease for proper maintenance of delicate moving parts of record changers, furntables, and all papts recorders. Shpg, wt., 402.
28 P 72851
Net 1.19
(PP) MCS-6 AUOIO CABLE SHDRTENER. Ingencous, simple device takes-up excess slack and length of audio cables or extension cords. Winds cords neat-no tangles, no ac cidents. Phg. of 6 .
28 P 72869 Shpg. wt., 4 oz. ....Net . 59

## Tape Storage Units and Carrying Cases

## Super Deluxe Tape Cartridge Storage Cabinet



The ultimate in tape storage featuring a true wood, finish hinged drop down door and molded insert which stores tapes in individual compartments. Construction similar to fine speakers. Size 241/4 $\times 6 / 3$ $x 11 / 4^{\prime \prime}$. Shpr. wt., $81 / 2 \mathrm{lbs}$.
28 P 78148W
Net 19.95

## Deluxe Tape Carrying Cases



79

- For Either Cassette Or 8.Track Cartridges

Solid wood construction. Dur. able alligator vinyl covering with attractive red plush interior. Tities immediately visible. Equipped with sturdy handle, lock and key.

8-TRACK CARRYING CASE. Holds up to 248 -track cartridges, Size: $171 / 2 \mathrm{~W} \times 61 / 2 \mathrm{H} \times 71 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., $41 / 4 \mathrm{los}$.
28 P 78064W
Net 7.95
CASSETTE CARRYING CASE. Holds up to 30 cassettes. Size: 1442 W K $33 / 2 H \times 91 / 2 " D$. Shpg. wt., $31 / 4$ lbs.
28 P 78072
Net 7.95

## Cassette "Carry-All" Portable Case

795
Holds up to 6 Cassettes and all Portable Cassette Recorders up to $5 \frac{1}{2} \times 10^{\prime \prime}$ in size Carry your cassette recorder, tapes and accessories in one handy case. Rich leather textured vinyl with sturdy compartments in a suede-like finished interior.
28 P 78114 Shpg. wt., 3 lbs. . Net 7.95

## Universal Carrying Case for Portable Cassette Recorders




249 - Holds 12 Cassettes
449 - Holds 12 Cassettes
Black vinyl with chrome trim, shoulder strap, and spring snap lock. Dim.: $61 / 2 L \times 51 / 2 H \times 3^{\prime \prime} D$. Shps. wt., $7 / 2 \mathrm{lb}$. $28^{\circ}$ P 27012

## 

 Make Lafayette Iour One Dependable Source for Everyfhing in Electronles

# Scotch RECORDING TAPE AND ACCESSORIES 



TYPE 111 STANOARO TAPE-11/2 MII Acetate Coated with red oxide. Popularly used for high fldelity all purpese recordings. On plastic reels. Av, shpg. wt., $1 / 2 \mathrm{lb}$. ea.

| Stock Ne | Type No. | Reel | Length Feet | 1.11 | Net Each |
| :--- | :---: | :---: | :---: | :---: | :---: |
| $28 P 33044$ | 111.1 .5 | $3^{\prime \prime}$ | 150 | .55 | .49 |
| 28 P 33069 | 111.6 | $5^{\prime \prime}$ | 600 | 1.77 | 1.59 |
| $28 P 33077$ | $111-12$ | $7^{\prime \prime}$ | 1200 | 2.67 | 2.40 | TYPE 202, 203 "OYNARANGE" SERIES-Designed primarily for pro. tessionals but now available for home recording. Permits slower speeds without loss of fidellty. Low noise level, long wear. Ideal for transcribing. Shpg. wt., is ib.


| Steck Mo. | Type No. | 8ase | Reel | Lgth. Ft. | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1.11 | 12 |
| 28 P 33382 | 2202.6 | 1.5 Mil Poly. | 5" | 600 | 2.09 | 1.8 |
| 28 P 33390 | 202-12 | 1.5 MII Poly. | 7*' | 1200 | 3.50 | 3.1 |
| 28 P 33408 | 203.9 | 1 Mil Poly. | 5 " | 900 | 2.97 | 2.6 |
| 28 P 33366 | (203-18 | 1 Mil Poly. | 7" | 1800 | 5.05 | 4.5 |

TYPE 206, 207 HISH OUTPUT-LOW NOISE TAPE Professional mastering tape with $50 \%$ increase in output over standard low nolse tapes "Positrak" backing extends tape llife, eliminates dropouts. Avallable in 60 and 90 minute lengths, recording both directions at $71 / 2$ IPS. Shpg. wt. $11 / 4$ lbs.

| Stock Mo. | Type No. | Playing Time at $71 / 2$ IPS |  | $\begin{gathered} \mathrm{Ne} \\ 1.11 \end{gathered}$ | $12 \mathrm{up}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 P 33507 | 206.1/4.R60 | 60 -minutes 90 minutes |  | $\begin{aligned} & 4.49 \\ & 5.69 \end{aligned}$ | $\begin{aligned} & 4.04 \\ & 5.12 \end{aligned}$ |
| 28 P 33515 | 207.1/4.R90 |  |  |  |  |
| TYPE 175 TENZAR-1 $1 / 2$ Mil tenzar coated with a high potency oxide, offers 16 times greater tear resistance than acelate backing. For continuous play. last stops and starts non-drying silicone lubricated to protect recorder heads. Avg. shigg. wt., 1 it. |  |  |  |  |  |
| Stoch No. | Type No | Reel | Length Feet | $\begin{aligned} & \text { Net Each } \\ & 12 \text { Up } \end{aligned}$ |  |
| 28 P 33275 | 175.6 | $5{ }^{\circ}$ | 600 | 1.68 | $\begin{aligned} & 1.51 \\ & 2.32 \end{aligned}$ |
| 28 P 33283 | 175.12 | $7{ }^{\prime \prime}$ | 1200 | 2.58 |  |

## SCOTCH CASSETTE TAPE

"Positrak" backing eliminates "wow" and assures jam-iree cassette performance. In plastic storage boxes. Avg. shgg. Wt., 6 oz. ExTENDED ENERGY CASSETTES - Mighest quallity, low noise, dependable cassette unsurpassed in dynamic range.

|  |  |  | Nel Each |  |
| :--- | :---: | :---: | :---: | :---: |
| Stock No. | Type | Minutes | 1.11 | 12 Up |
| 28 P 33473 | S-C.30 | 30 | 1.69 | 1.52 |
| 28 P 33416 | S-C.60 | 60 | 1.99 | 1.79 |
| 28 P 33457 | S-C. | 90 | 90 | 2.99 |
| 28 P 33465 | S-C. 120 | 120 | 3.99 | 3.69 |

HIGH ENERGY CASSETTES - New cooalt-energired oxide provides 3 to 5 db increase in signal-to-noise ratio. Fully compatible with all cassette recorders.

|  |  |  | Net Each |  |
| :--- | :---: | :---: | :---: | :---: |
| Stoch No | Type | Minutes | 1.11 | 12 Up |
| 28 P 33523 | S-C.30HE | 30 | 1.89 | $\mathbf{8 . 7 0}$ |
| 28 P 33531 | S.C.60HE | 60 | 2.19 | 1.97 |
| 28 P 33549 | S-C.90HE | 90 | 3.29 | 2.96 |



## "LIVING LETTERS" 3 INCH TAPE IN PLASTIC MAILERS

$3^{\prime \prime}$ reels prowlding $1 / 4,1 / 2$ or 1 hour recordings. in convenient hinged plastic mallers meeting postal standards. Shpg. wt., 5 oz.

| Stock No. | Type | Leth. Ft. | Net Each |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1.11 | 12 Up |
| 28 P 33424 | 111.1.5LL | 150 ( $1 / 4$ hour) | . 72 | 5 |
| 28 ¢ 33432 | 200.34 | 300 (1/2 hour) | 1.46 | 1.31 |
| 28 P 33259 | 290.611 | 600 (1 hour) | 1.99 | 1.79 |
| \# 11 moderss labels fon Ll mailing COMTAINERS. Pachage of 10 additional pressure-sensitive adhesive address labels for "tiving letters" plastic mailing boxes. Shog. wt. 3 oz. |  |  |  |  |
|  |  |  |  |  |  |  |
| 28 P 33440 |  |  |  |  |

TYPE 150 EXTRA.PLAY TAPE $\rightarrow 1$ Mil extra strong Polyester base high tidelity tapes. Withstands high tension and break resistant. All plastic reels. Avg. shpg. wt., 1 lb

|  |  |  |  | Net Each |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Type Mo. | Reel | Length Feet | 1.11 | 12 Up |
| 28 P 33168 | 150.9 | $5{ }^{\prime \prime}$ | 900 | 2.40 | 2.16 |
| 28 P 33176 | 150-18 | 7" | 1800 | 4.11 | 3.70 |

TYPE 200 TENSiLIZED-Tensilized Polyester .50 mil tapes. Provides twice as much playing time as the 1.5 mil standard tape. Stronger and more durable than usual long.play tapes. On plastic reel. Avg. shpg. wt., 1 lb .

| Stoch Mo. | Type No. | Reel | Length Feet | $1.11$ | $12 \mathrm{Up}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 P 33218 | 200.24 | $7 \times$ | 2400 | 6.68 | 6.01 |
| TYPE 290-1/2 Mil polyester tensilized tape super strong $50 \%$ extra olaving time has silicon lubricant to give minimum of friction wear. |  |  |  |  |  |
| Stock No. | Type No. | Reel | Length Feet | $1.11$ | $\begin{aligned} & \text { ach } \\ & 12 \mathrm{Up} \end{aligned}$ |
| 28 P 33242 28 P 33267 | $\begin{aligned} & 290-18 \\ & 290.36 \end{aligned}$ | 5"' | $\begin{aligned} & 1800 \\ & 3600 \end{aligned}$ | $\begin{aligned} & 4.92 \\ & 7.99 \end{aligned}$ | $\begin{aligned} & 4.43 \\ & 7.19 \end{aligned}$ |

## SCOTCH RECORDING ACCESSORIES

5PLICING TAPE
Pressure-sensitive tape made especially for splicing and editing magnetic tape. Av. shpg. wi. 2 or.
SCOTCH 41-1/2-12.5 1/27150* holl in bag.
28 P 33291 Lots of 12, Ea. . 43 Singly, Ea. . 48 SCOTCH 41-1/2al 㑑 $66^{\circ}$. Less dispenser. 28 P 33309

Lots of 12, Ea. 64 Singly, Ea. . 71

## 5ENSING TAPE

Type 51 7/325-To actuate automatic stop and reverse on recorders so equipped. $150^{\circ}$ long \# $1 / 2^{\prime \prime}$ wide. One side foil, other adhesive. ShDR. wi. 202 or
28 P 33150
Lots of 12, Ea. 1.70 Singly, Ea. 1.89

## LEADER-TIMER TAPE

Type 24-1 W - Has 1 second interval markings for $71 / 2^{\prime \prime}$ and $15^{\prime \prime}$ per second speeds. 100 ft . $1 / 4^{\prime \prime}$ wide roll. Individually boxed. 2 oz. 28 P 33325

Lots of 12, Ea. . 54 Singly, Ea.

## 7" 5ELF.THREADING REEL

Type pent.7-Just lay recording tape inside and start recorder. Threads automatically. Snap-tight collar seals edges against dust Shpe. wt. 8 oz.
28 P 33317
Lots of 12. Ea. . 90 Singly, Ea. 1.00


These 3 M -track blank cartridges contain specially designed lownoise tape with exclusive fubricant assuring smoothest tape travel and longest tape life. 1 mil polyester film with special oxide surface for finest fidelity. Available in 40 -minutes and 80 -minutes recording lengths. Includes cardboard storage half-box and indexing label. Shpr. wt., 6 oz .

|  |  |  | Met each |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Trpe | Records | 1.11 | 12.40 |
| 28 P 33481 | S.8TR-40 | 40 min . | 2.17 | 1.97 |
| 28 P 33499 | S.8TR-80 | 80 min . | 2.53 | 2.27 |

# Lafayette Blank Tape Cassettes 

LAFAYETTE STANDARD BLANK TAPE CASSETTES


## CRITERION® DELUXE BLANK TAPE

 CASSETTES

- Head Cleaning Tape on Each Cassette
- Super-Calendered Tape to Minimize Wear and Improve Frequency Re . sponse
- Sensing Foils to Actuate Machines with Reversing Mechanisms
- With Plastic Album Storage Box

Lafayetfe's best recording tape cassettes manufactured to our spectfications, with extra deluze features. Deep lubricated, super-calendered tape. Head cleaning tape at one end removes accumulated corders having recorder heads. Sensing folls at each end actuate recorders having automatic reversing capablities, but may also be used on all cassette recorders. Imported. Shpg. wt., 5 oz.



- Increases High Frequency Levels
- Reduces Inherent Tape Noise
A $60-$ minute recording cassette using a chromium-based coating to provide low oistortion, increased high frequency levels, and reduced inherent tape noise. Specifically designed and recommended only for recorders equipped with CrO, bias switches. Manufactured with Dupont Crolynt tape. Hard plastic storage bor. Imported. Wt., 402. 28 P 01496 C-60 1-9, Net ea. $2.49 \quad 10$ or more, Net ea. 2.29 C-90 Chromium Dioride Cassette. Same high qualify chromium tape as above in a 90 -minute cassette. Imported. Shpg. wt., 5 ot
28 P 01504 C 90 1-9, Net ea. 3.2510 or more, Net ea. 2.99
LAFAYETTE C-60 CASSETTE 6-PAK
FREE Carrying Case and 6 Plastic Storage Boxes
With Purchase of 6 C - 60 LAFAYETTE Cassettes


COMPLETE LIBRARY
WHEN YOU BUY ONLY 6 LAFAYETTE C-GO CASSETTES

Simply buy six Lafayette 60 -minute cassettes at Lafayette's regular low price and you get a handsome vinyl carrying case and 6 additional emply soft plastic hinged storage bozes at no additional cost-a veritable cassette tape library! These 60 -minute cassettes are Lafayette's regular high quality lubricated blank cassettes priced at 99c. Complete package consists of six C- 60 blank cassettes, 12 plastic storage bozes and vinyf leatherette carrying case. 28 P 01454 Wt., $13 / 4$ lbs. Net 5.94

High quality tape assures full fiderify recording. Records and plays 2 -tracks at $1 \%$ ips. Super strong polyester base. Proper lubrication for longer tape life. Protects heads. Imported. Shpg. wt., 4 oz.

| Stock No. | Model No. | Playing Time | NET EACM |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1.9 | 10 UP |
| 28 P 01280 | C-30 | 30 Minutes | . 79 | 69 |
| 28 P P 01223 | C. 60 | 60 Minutes | . 99 | . 89 |
| 28 P 01207 | C-90 | 90 Minutes | 1.49 | 1.39 |
| 28 P 01215 | C. 120 | 120 Minutes | 2.19 | 1.99 |


| C. 60 UD | 2.25 |
| :--- | :--- |
| C.90 UD | 2.99 |
| C. 120 UD | 3.99 |

- Wide Dynamic Range$30 \cdot 20,000 \mathrm{~Hz}$ Response - Low Noise-High Output
- Super-Calendering Minimizes Wear and Improves Frequency Response
- Head Cleaning Tape on Each Cassette
- Sensing Foils to Activate Machines with Reversing Mechanism
These Lafayette ultra-dynamic hi-fl cassettes are the only ones maving all of these deluxe features and represent the peak of cassette excellence, Advanced oxide formulation provides a wide dynamic range with a frequency response of $30-20,000 \mathrm{Mz}$. The low noise dis tortion-free high output results in the highest performance that can be expected of a cassette tape. Each tape has a section of head cleaner at one end and sensing folls at each end to actuate equipment having automatic reversing capabilities, but may be used on all cassette recorders. in hard, clear plastic hinged album storage box. Imported. Shpg. wt., 502.
C-GOUO 60-MINUTE HIFI CASSETTE
99 P 15851
Net ez. 2.25
C-gOUD gO-MINUTE HI-FI CASSETTE
99 P 15901
Net ea, 2.99
C-120UO 120-MINUTE HJ-FI CASSETTE 99 P 16032
. Net 3.99


## TDK HI-FI CASSETTES



- Low Noise Level.

As Low As

- Frequency Resoonse $30-20,000 \mathrm{~Hz}$.


## 60 MINUTE C.605D

This 60 minute hiff tape uses a new gamma ferric oxide developed for high-density recording. The wide dynamic recording range 32 $20,000 \mathrm{~Hz}$. Makes avaliable low noise, distortion-free output for the highest performance that can be expected of a cassette tape. Imported. Shpg. wt. 502.
28 P 01249
..Net 2.29
90 MINUTE C-90S0
a 90 minute cassette having the same hirh quality characteristics, specifications and performance as the $C$-60SD cassette above. Imported. $\mathrm{St}_{1} \mathrm{pg}$. Wt., 4 oz
28 P 01363
Nel 2.99

## 120 MINUTE C-1205D

A 120 -minute cassette with the same specifications as C-60SO and C-90SD, above. Shpg. wt., 4 or
28 P 01512
Net 3.99

## 20 Minute Automatic Repeating Cassette

 98

## - Endless Repeat Cassette

- Ideal For Displays, Background Music,

Sales Training And Sleep Leaming
An automatic endless repeat cassette that records and plays back for 20 minutes on any cassette recorder. The recording is automa. ticaliy repeated with no appreciable difference in Its excellent sound qually after thousands of hours of use. Particularly suited for applications where repetition and faultless reproduction are required Sinpg. wl., 402.
28 P 55000
Net 9.98

## LAFAYETTE RECORDING TAPES LafAYETTE'S FAMOUS MONEY-BACK GUARANTEE YOU BE THE JUDGE!

Lafayette's open reel, cassette and 8 track blank tape is made by outstanding, nationally known manufacturers. It is first quality, splice free, red oxide coated, with full frequency response, uniform output and no "dropouts." Resistant to moisture, heat, cold, abrasion.

We guarantee absolute satisfaction or your money back. If for any reason you are dissatisfied, return the tape within 30 days and we will refund your money less only transportation charges. You are the sole judge.


## LAFAYETTE ACETATE BASE RECORDING TAPE

Provides wide range high fidelity response over the audio spectrum. Features noise free reproduction, low abrasion and uniform output. Average shpg. Wi, 1 lb .

|  |  |  |  | Net Per Reel |  |  |  |
| :--- | ---: | ---: | ---: | :---: | :---: | :---: | ---: | ---: |
| Stock No. | Feet | Reel | Mils | Wt. Ibs. | 1.4 | $5-24$ | 25 up |
| 28 P 01025 | 600 | $5^{\prime \prime}$ | $11 / 2$ | $1 / 2$ | .99 | .90 | .85 |
| 28 p 01033 | 900 | $5^{\prime \prime}$ | 1 | $1 / 2$ | 1.20 | 1.10 | .99 |
| 28 P 01017 | 1200 | $7^{\prime \prime}$ | $11 / 2$ | 1 | 1.59 | 1.49 | 1.35 |
| 28 P 01041 | 1800 | $7^{\prime \prime}$ | 1 | 1 | 1.98 | 1.88 | 1.79 |

## LAFAYETTE TENSILIZED MYLAR ${ }^{\text {® }}$ : TAPES

Tensilized mylar gives you the most permanent type of base and is therefore ideal for your most treasured recordings. All are $1 / 2 \mathrm{mll}$, thus permitting the maximum amount of foot age per reel. Individually boxed.

| Stock Mo. | Feet | Reel | Mils | wt. Ibs. | Net Per Reel |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1.4 | 5.24 | 25 up |
| 24 P 01090 | 300 | $3^{*}$ | $1 / 2$ | \% | . 69 | . 63 | . 59 |
| 28 P 01108 | 600 | 34******** | $1 / 2$ | 1/4 | . 99 | . 90 | 81 |
| 28P 01116 | 1200 | $5{ }^{\prime \prime}$ | $1 / 2$ | 1/2 | 2.25 | 2.03 | 1.63 |
| 28 P 01082 | 2400 | $7{ }^{\circ}$ | $1 / 2$ | 1 | 3.49 | 3.14 | 2.86 |
| 28 P 01231 | 3600 | $7{ }^{\prime \prime}$ | 1/2 | 1V/4 | 4.98 | 4.49 | 3.99 |

- Mylar is the registered DuPont trademark for its molyester film.


## LAFAYETTE MYLAR ${ }^{\text {** }}$ BASE RECORDING TAPE

Mylar base is especially strong, durable and break resistant. and is virtually impervious to heat, cold or humidity. All in clear plastic reels, individually boxed. Average shpg. wt., 1 (b.

|  |  |  |  | Nef Per Reel |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Feet | Reel | Mils | Wt. Ibs. | $1-4$ | $5-2.4$ | 25 up |
| 28 P 01058 | 1200 | $5^{\prime \prime}$ | $1 / 2$ | $1 / 2$ | 1.75 | 1.58 | 1.42 |
| 28 P 01066 | 1800 | $7^{\prime \prime}$ | 1 | 1 | 2.14 | 1.93 | 1.75 |
| 28P01074 | 2400 | $7^{\prime \prime}$ | $1 / 2$ | 1 | 3.10 | 2.79 | 2.51 |

## LAFAYETTE TAPE FOR AUTOMATIC REVERSING TAPE RECORDERS

These tapes are specifically intended for tape recorders providing automatic reversing of tape. Each lape has a green color coded leader, a red color coded trailer, and a metal sensing strip at each end to activate the automatic reversing mechanism in tape machines having this feature. This tape may also be used on machines which do not reverse tapes. Average Shpg. wt., 1 it

| Stoch No | Feet | Reel | Description | Net Per Reel |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 1.4 | $5-24$ | 25 up |
| 28 P 01165 | 1200 | 5 | 1/2 mil mylar | 1.99 | 1.84 | 1.67 |
| 28 P 01173 | 1200 | 7" | $11 / 2$ mil acetate | 1.84 | 1.73 | 1.62 |
| 28 P 01111 | 1800 | 7" | 1 mil mylar | 2.89 | 2.69 | 2.43 |
| 28P 01199 | 2400 | $7{ }^{\prime \prime}$ | 1/2 mil tens mylar | 3.99 | 3.74 | 3.52 |

Greatly extends the playing time of all recorders, particularly $3 \mathrm{M}^{*}$ reel machines. An ultrarthin $\mathrm{V}_{\mathrm{a}}$ mil tensilized mylar record. ing tape with high-densify magnetic coating. Offers excellent frequency response for sharper, brighter recordings. Outstanding performance with capstan-drive recorders.
1100 Ft . on $3 \mathrm{y} \mathrm{a}^{-1}$ Rebl. Records 7 hours 20 minutes (all four tracks) at $17 / 8$ ips; 3 hours 40 minutes at $37 / 4 \mathrm{ips}$. Shpg. wt. 408. 28 P 01256
2400 Ft . on $5^{*}$ Reel. Records 16 hours (all four tracks) at $17 / 3$ ips; 8 -hours at $3 \% / 2$ ips. Stereo 2 -track records 8 -hours at $17 / 3$ ips, 4 -hours at $33 / 4 \mathrm{ips}$. Shpg. wi., $1 / 2 \mathrm{ib}$.
28 P 01264
Net 4.65
4800 Ft . on $7^{\prime \prime}$ Reel. Records 32 hours (all four tracks) at 17 ips; 16.hours at $37 \% \mathrm{ips} ; 8$ hours at $71 / 2$ ips. Stereo 2 -trach records 16 hours at $17 / 8$ ips. 8 -hours at $37 / 4$ ips, 4 . hours at $71 / 2 \mathrm{ips}$, Shpr. wt., $1 / 4 \mathrm{lb}$.
ShpR. Wl.
28 P 01272
Net 8.95
 8-TRACK DEMO TAPE

- Excerpts from Gayne Suite
- Tests and 8alances Your Equipment
- Separate Tapes for B-Trach, Cassette, Reel to Reel

Every owner of a $\mathbf{2}$-channel stereo Tape Recorder or Tape Deck should have one or all of these tapes. Tests and balances your equipment for optimum audio reproduction. Test portion of tape includes speakef phasing, channel separation, balance, and wow and flutter checks. Demonstralion portion of tape includes sound effects and excerpts from Gayne Sulte by Khachaturian. Average shpg. wt., 10 az.

| Stock No. | Type | Net ea. |
| :---: | :--- | :---: |
| 28 P 01389 | 7" Reel-to-Reel | 2.95 |
| 28 P 01371 | 8 Track Tape Cartridge | 2.95 |
| 28P01397 | Cassette | 2.95 |

Lafayetie 4Channel Stereo \&-Track Demonstration Tape
"Listening Is Believing"

Ideal tape cartridge to make sure your 4 -channel 8 -track stereo system is properly set up. Program 1 on the tape includes 400 Hz signals for left front speaker, right front speaker, left rear speaker, right rear speaker. Next you will hear Leonard Bernstein and the New York Philharmonic play excerpts from Tchalkovsky's 1812 Overture first in Mono, then in 2-channel stereo, and lastly-marnificent 4 -channel stereo. Program 2 consists of excerpts from Tchaikovsky's Swan Lake Ballet in breathtaking 4 -channel stereo. Shpg. wt., 6 oz . 28 P 014131


## LAFAYETTE

 QUADRUPLE-PLAY 1/4 MIL. RECORDING TAPE- Four Times More Recording Time Than Standard Tapes Up To 32 Hours Recording


# Astatic, Electro-Voice, and Arista Cartridges 

In order to provide you with the widest variety of phono cartridges, Lafayette stocks three major lines: Astatic. Electro-Voice, and Arista. We will supply one of these when filling your order. Some types imported. All cartridges indicated as Stereo are compatible for use with Monaural records. Shpg. wt. of all cartridges, 3 oz.

COOES: The following abbreviations are used in this phono cartridge section to help selection of the correct cartridge
$15-1$ mil synthetic sapphire for $1 P$ records.
2S-2 mil synthetic sapphire for LP and 78 RPM records
$35-3$ mil synthetic sapphire for 78 RPM records.
$75-7 \mathrm{mil}$ synthetic sapphire for stereo records.
i0-i mil diamond for LP records.
$.70-.7$ mil diamond for stereo records.
Example: .70, 3 Indicates two tips. One .7 mil diamond for stereo and one 3 -mil synthetic sapphire for 78 RPM records.


EXACT REPLACEMENT PLUG.IN
CARTRIDGE-STYLI COMBINATIONS
$\begin{aligned} & \text { Color as indicated below for easy identification, May at times be only } \\ & \text { a color dot. }\end{aligned}$

| FOR RCA |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Fig. Mir. No Color |  |  | Ast. No. E-V No. Styli |  |  | Net |
| 24 P 50203 | A | 105836.7 | Black | 83.1 | 83 | is | 2.10 |
| 24 P 50229 | A | 108555 | Gold | 89.1 |  | 15 | 2.55 |
| FOR WEBCDR |  |  |  |  |  |  |  |
| 24 P 50237 | 8 | A1919 | White | 917 | 76 | 15,35 | 2.37 |
| 24 P 50245 | B | A1920 | Pink | 917X | 760 | 10.35 | 4.17 |
| FOR ZENITH |  |  |  |  |  |  |  |
| 24 P 50278 | C | \$15780 | Red 8 Green | 97.2 | 112 | 25 | 2.97 |
| 24 P 50302 | D | 142.72 | Yellow | 99.2 | 110 | 2 S | 3.00 |
| 24 P 50054 | E | 142.80 | Blue | 937 | 56 | 15,3S | 2.37 |
| 24 P 50062 | E | 142.83 | Orange | 931 X | 560 | 10.35 | 4.17 |
| 24 P 50393 | F | 142.103 | Green | 13 AT |  | .75.35 | 4.77 |
| 24 P 50195 | F | 142.106 | Green | 13 ATX |  | .70.35 | 6.57 |
| 24 P 50427 | A | 142-119 | Dark Green | 13 T | 13 | .75.35 | 3.57 |
| 24 P 50013 | A | 142-120 | Dark Green | 13TX | 130 | 7035 | 5.37 |


| REPLACEMENT CARTRIOGES FOR LAFAYETTE RECORO CHANGERS ANO PHONOGRAPHS |  |  |  |
| :---: | :---: | :---: | :---: |
| STOCKNO. | For Laf. Modet | MFR/TYPE | NE |
| 24 P 29017 | 200 | ST2V | 3.60 |
| 24 P 38018 | 400 | 11160 | 9.90 |
| 21 P 01665 | AC50, AC5CB | GP200, 310 | 4.95 |
| 24 P 30239 |  | 50260 | 6.90 |
| 24 P 29025 | ISC45. ISC45B. ISC100B. LSC8000, LSC8000B, LSC888 LSC 9000 | TN4BD | 7.65 |
| 24 P 51524 | MC22, LSC90, LSC95 | SC5H | 5.37 |
| 24 P 40097 | LSC25, LSC50, MS24, 160 | SXSH | 2.49 |
| 24 P 29033 | M58 | SNH44 | 2.67 |
| 24 P 29041 | MC10C | TOH44 | 3.00 |
| 24 P 29058 | T33. TPS30, TPS35 | CN72D | 5.10 |
| 24 P 64006 | LSC6000, LSC55 | 1-A3D-BSR50 | 3.9 |




- Monaural or Stereo
- Slips into Original Mount


## STEREO CARTRIDGES

| Stock No. | Fig. | Color | Ast. No. | E.VNo. | Styli | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 P 50427 | 6 | Green | 131 | 13 | .75,3S | 3.57 |
| 24 P 50013 | G | Green | 131X | 130 | . 70.3 S | 5.37 |
| 24 P 50393 | F | Green | 13 AT |  | .75.35 | 4.77 |
| 24 P 50195 | F | Green | 13 AIX |  | .70,35 | 6.57 |
| 24 P 50435 | H | Stereo | ount for | I above |  | . 60 |
| MONAURAL CARTRIDGES |  |  |  |  |  |  |
| 24 P 50021 | G | Black | 815 | 81 | 15,3S | 2.37 |
| 24 P 50476 | G | Black | 817X | 810 | 10.3S | 4.17 |
| 24 P 50492 | G | Gold | 897 | 89 | 15,38 | 2.97 |
| 24 P 50518 | G | Gold | 897X | 89D | 10,35 | 4.77 |
| 24 P 50526 | H | Monaur | Mount for | all above | .........N | . 60 |

## REPLACEMENT STEREO TURNOVER CARTRIOGES



| Stock No. | Fig. | Ast. No. | E-Y No. | Output | Styli | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 P 50534 | J | 70-TS | 143 | 2.0 V | .75,35 | 4.35 |
| 24 P 50542 | J | 74-TS | 144 | 2.0 V | .75,35 | 4.35 |
| 24 P 50559 | K | 76TSB | 142 | 2.0 V | .75,35 | 4.77 |
| 24 P 50567 | J | 80-TS | 145 | 0.8 V | .75,35 | 4.50 |
| 24 P 50575 | 1 | 17 | - | 0.4 V | .75,35 | 7.05 |
| 24 P 50583 | 1 | 170 | - | 0.4 V | .70.3S | 9.45 |
| 24 P 50591 | $K$ | 860 | 1460 | 0.8 V | .70,35 | 8.10 |
| 24 P 50609 | K | 86TSB | 146 | 0.8 V | .75,35 | 5.10 |
| 24 P 51359 | M | 133 | - | 0.5 V | .75,35 | 5.85 |
| 24 P 51367 | M | 1330 | - | 0.5 V | . 70.35 | 8.25 |
| 24 P 51318 | N | 140 | 5547 | 1.0 V | . $7 \mathrm{~S}, 3 \mathrm{3}$ | 4.50 |
| 24 P 51326 | N | 140D | 55470 | 1.0 V | . 70.35 | 7.50 |
| 24 P 51375 | $N$ | 142 | 5548 | 2.0 V | .75,35 | 4.35 |
| 24 P 51425 | N | 1420 | 5548 D | 2.0 V | .70,3S | 7.35 |
| 24 P 51433 | N | 142R | - | 2.0 V | . 75.35 | 5.55 |
| 24 P 51441 | N | 142 RD | $\bar{\square}$ | 2.0 V | . 70.35 | 7.35 |
| 24 P 51458 | 0 | 710 | 220 | 0.5 V | .75,35 | 5.97 |
| 24 P 51466 | 0 | 7100 | 2200 | 0.5 V | .70,35 | 9.90 |
| 24 P 53009 | P | 713 | 149 | 0.5 V | .75.35 | 5.97 |
| 24 P 53017 | P | 7130 | 1490 | 0.5 V | .70,35 | 8.97 |

## EV SERIES 26 STEREO REPLACEMENT CARTRIOGES



This ceramic lurnover cartridge has been used by many popular phono manufacturers including Airline, Magnavor, Packard Belt, Philco, Sears and Zenith. Also replaces E-V Series 21.

| Slach No. | EV No. | Output | Stylf | Net |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 24 P 30098 | 26,21 | 0.5 V | $.7 \mathrm{~S}, 3 \mathrm{~S}$ | 6.90 |
| 24 P 30114 | $26 \mathrm{D}, 21 \mathrm{D}$ | 0.5 V | $.7 \mathrm{D}, 3 \mathrm{~S}$ | 9.90 |

# Astatic, Electro-Voice and Arista Cartridges <br> MONAURAL REPLACEMENT CARTRIDGES 



| Stock No. | Fig. | \$5t. No. | E.VNo. | Oufout | Stylf | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 P 51052 | 0 | 16 | 17 | 3.5 V | Less Stylus | 2.37 |
| 24 P 51391 | R | 18 | 18 | 3.0 V | 2 S | 1.95 |
| 24 P 50658 | S | 401 | 28 | 1.0 V | 15.35 | 4.17 |
| 24 P 50716 | $T$ | 62TY | 43 | 1.0 V | 15,35 | 4.77 |
| 24 P 51011 | U | 62-1 | 162 | 3,0V | IS | 2.97 |
| 24 P 50732 | $\checkmark$ | 66 TS |  | 3.0 V | 1S, 3S | 4.35 |
| 24 P 50740 | T | $66 T Y$ | 49 | 3.0 V | 15,35 | 3.90 |
| 24 P 51102 | 0 | $66 \cdot 2$ | - | 3.0 V | 2 S | 2.97 |
| 24 P 50765 | W | 120 | - | 3.0 V | 1S,3S | 3.87 |
| 24 P 51383 | X | 146 | 5549 | 3.0 V | is,3S | 3.87 |
| 24 P 50799 | $\gamma$ | 310 Ts | 63 | 3.0 V | 15,35 | 3.27 |
| 24 P 51029 | 2 | 310.7 | 58 | 3.0 V | . 75 | 2.37 |
| 24 P 50923 | AA | 314 TS | 68 | 3.0 V | is,3S | 3.27 |
| 24 P 51045 | 㫜 | 414-1 | 77 | 3.0 V | 1 S | 2.67 |
| 24 P 51144 | 88 | 414-2 |  | 3.0 V | 2 S | 2.67 |
| 24 P 50064 | CC | 420 | 80 | 3.0 V | 15,35 | 3.27 |
| 24 P 50872 | CC | 422 | 82 | 3.0 V | 15,35 | 3.57 |

## REPLACEMENTS FOR MAGNAVOX CARTRIOGES



| Stock ${ }^{\text {coso }}$ | Fig | Ast. No. | Replaces Magnavar No. | styll | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 24 P 51185 | DD | 461 | 560281-3,4; 560296-3,4 | 75,35 | 6.30 |
| 24 P 51193 | D | 4610 | 560290-1,3 | . 70.35 | 8.70 |
| 24 P 51219 | EE | 4590 | 560275.1.2; 560228. | .70,35 | 8. 70 |
| 24 P 51409 | FF | 1630 | 560350-1,2 | .70.35 | 8.70 |
| 24 P 51417 | FF | 1650 | 560355-1 | .10,35 | 7.5 |
| 24 P 51516 | FF | 195D | 560365-2; 560345-1 | .10,35 | 7.50 |
| 24 P 53025 | GG | 1770 | 560337.1; 560338-1 | .70,3s | 7.50 |
| 24 P 53033 | HH | 645 | 560313.1 | . 75 | 4.20 |
| 24 P 53041 t | 1 | 609 | 560313.5; | is |  |

\$Monaural. All others are Stereo.


| Stock No. | Fig. | Ast. No. | E. V No, | Replaces RCA No. | Styll | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 P 51227 | JJ | 475 | 54 | 108213,4; 110021 | .75,35 | 6.00 |
| 24 P 51235 | J | 4750 | 540 | 106960, A, 110023 | . 70.35 | 11.40 |
| 24 P 51243 | JJ | 477 | 133 | 106770, 1, A, $B$ | .75,35 | 6.00 |
| 24 P 51276 | JJ | 4870 | 1950 | 111348 | .70,35 | 11.61 |
| 24 P 53058 ${ }^{\text {P }}$ | KK | 346 | 263 | 115058 | . 7 S | 4.17 |
| 24 P 53066 | KK | 348 | 264 | 115059 | . 75 | 4.71 |
| 24 P 53074 ¢ | KK | 602 |  | 118187 | . 75 | 4.17 |
| 24 P 53082 | L | 3530 | 51900 | 115276,7, 115703 | .70.35 | 8.97 |
| 24 P 53090 | MM | 6130 | 51910 | 116931:116932 | . 70 | 8.37 |

REPLACEMENTS FOR GENERAL ELECTRIC


Garrard Models $30, X 10$ and X11 all use one of these stereo ceramic cartridges. All turnover cartridges with .7 mil diamond and 3 mil synthetic sa pphire styll.

| 5 tock No. | Fig. | Garrard Model Used | Ast, No. | E.V No. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 24 P30239 | UU | 30 (1968-early 1971) | 6550 | 50150, 50260 | 5.90 |
| 24 P 37044 | W | 30 (Late 1971-1973) | 12500 | 55660 | 7.95 |
| 24P53199 | WW | $\times 10, \times 11$ | 6750 | S0800 | 7.20 |

REPLACEMENT CARTRIDGES FOR BSR


| Stock No. | Fig. | Mfr. No. | Ast. No | V No. | Styll | Output | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24P53207 | A. 1 | TC8H | 420 | 120 | 15,3S | 3.3 V | 2.88 |
| 24 P 53215 | A. 1 | TC8S | $86 T S B$ | 121 | .75,35 | 0.8 V | 4.68 |
| 24 P 53223 | A. 2 | C1 | 667 | 274 | .75,35 | D.5V | 4.98 |
| 24 P 40014 ¢ | A. 3 | Х1ME, X3H | 614 | 5369 | 1s,3s | 4.0 V | 1.79 |
| 24 P 40022 | A-4 | SXIH | 612 | 272 | .7S,35 | 2.8 V | 2.45 |
| 24 P 53231 | A-4 | Sxim | 610 | 271 | . 7 S , 35 | 1.0 V | 3.60 |
| 24 P 40097 | A. 5 | SX5H | 612 | 5344 | .75,35 | 2.0 V | 2.49 |
| 24 P 53249 | A. 5 | SC5M | 667 | 5540 | .75,35 | 0.3 V | 4.80 |
| 24 P 51524 | A. 5 | SC5H | 667 | 5363 | .75,35 | 0.6 V | 4.80 |

†Monaural. All others are Stereo.

## REPLACEMENT FOR POPULAR RCA



Exact replacement for many RCA 45 RPM and 33 V RPM cartridges. Replaces RCA 74067, 74625, 75575, 76318; Shure W31AR, P73, P73A, P73AR, P73R; Astatic 62-1; E.V 41. 1-mil synthetic sapphire stylus. Imported. Shpg. wt., 3 oz.
24 P 60012

# Popular Replacement Cartridges 

## REPLACEMENT SONOTONE CERAMIC CARTRIDGES

## (1)



Migh performance ceramic cartridge now in use by many phono manufacturers and jdeal for either general replacement or updating present equipment. All are stereo, stereomonaural except series 3 T which is for monaural use only. Series 21T, 24TA are designed
for use with transistorized equipment. Series 9TAF, 16TAF, 18T, 21T, and 24TA feature the accident-proof, drop-proof sono-flex "F" stylus. All have standard mounting dimen. stons. Styll code for all below: D.diamond s-synthetic sapphire. Avg. shpg. wt., 302.

| Stock No. | Model | Fig. | Styll | Net | Stock No. | Motel | Fig. | Styll | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 P 79012 | 3T-S | 1 | \$1.53 | 5.85 | 24 P 79210 | 16TAF.S | 5 | S.7.53 | 4.92 |
| 24 P 79020 | 3T-SD | 1 | D1.53 | 7.92 | 24 P 79236 | 16TAF-SD | 5 | 0.7.53 | 6.99 |
| 24 P 79079 | 8TA-4S | 2 | 5.7.83 | 6.60 | 24 P 79269 | 18TA-SD | 5 | D.7-53 | 6.60 |
| 24 P 79087 | 8TA.4SD | 2 | 0.7-53 | 8.70 | 24 P 79509 | 211.5 | 6 | S.7.53 | 5.37 |
| 24 P 79178 | 9TAFHC-S | 3 | S.7-53 | 7.05 | 24 P 79525 | 21T.SD | 6 | 0.7.53 | 7.35 |
| 24 P 79194 | 9TAFHC.SD | 3 | D.7.53 | 9.09 | 24 P 79533 | 24 TA-S | 6 | 8.7.53 | 6.60 |
| 24 P 79343 | 1012-LE-S | 4 | S.7-53 | 4.85 | 24 P 79558 | 24TA-SD | 6 | 0.7 .53 | 8.79 |
| 24 P 79350 | 1072-LB-SD | 4 | D.7-53 | 6.96 |  |  |  |  |  |

## REPLACEMENT FOR SONOTONE 2TA-S CERAMIC CARTRIOGES



This high fidelity monaural turnover cartridge is equipped with dual styll to play all types of both monaural and stereo records. Has .7 mil and 3 mil synthetic styli. Replaces a host of cartridges including previous Sonotone models of 2T series, 9980 series which were used in thousands of record changers and players. Frequency response: $20-20,000 \mathrm{~Hz}$-flat to $12,000 \mathrm{~Hz}$; output 1 volt; compliance $2.0 x 10^{-6} \mathrm{~cm}$ dyne; tracking force 6 grams. Ceramic element highly immune to heat and humidity. Imported
24 P 79111 Shpg. wt., 3 Oz.
Net 3.95

## REPLACEMENT CARTRIDGES FOR VACO and RONETTE



Replacements for thousands of changers and players both imported and domestic. All types equipped with synthetic sapphire styli and turnover mechanism. Imported. srigg. wt., 302.

Stereo/monaural. Same as above but out put is 2 volts. Replaces VACD ST4, ST4X.

Stereo/monaural with .7 mil and 3 mil styli, mitg. bracket and knob. Dutput .7 volts. Re. places VACD ST-2, ST2X, ST. 20 , ST20X, ST-100, ST-100X; Ronette types 1, 2, 3, 4 . 92 and 105 series, stereo DV series and stereo T series; Astatic $861 \mathrm{SB}, 80 \mathrm{TS}$, and EV 95 and 97. Imported
99 P 10167
REPLACEMENT STYLI
24 P 04192.7 mil for stereo 24 P 041763 mil for 78 Diamond .7 mil for stereo 24 P 01586

Net 1.99
Net . 99
Net . 99 .Net 2.79

ST5, ST5X, ST40, ST40X, ST200, ST200X and Ronnette 106 series, 208 series. Astatic 76 TSB, 70 TS and E.V. 96 and 98 . Imported. 24 P 79103

Net 2.99
Monaural with 1 mil and 3 mil styll, mtg . bracket and knob. Output: 23 volts. Re places VACO types T45, T045, T045X. Ron nette types 15, 18, 21, 24, 7825, DC395. DC395S, DC400, DC-400-222, DC-400-222S, DC500, $\mathbf{T 0} 284$ series, TD2851, TD287 series, T0-395 series, 10-400-200. T0-400-222; Astatic 420, 120 and E.V. 80, 88. Imported. 99 P 10225

Net 1.99


Styli code: D diamond, S-synthetic sapphire. Preceded by size in mils. findicates Mon-aural-alt others stereo. Shpe. wt., 3 oz.

| Stock No. | Fig. | Replaces Mfrs. No. | $\begin{aligned} & \text { Astatic } \\ & \text { No. } \end{aligned}$ | E.V No. | Styli | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 P 29066 ${ }^{\text {¢ }}$ | B-1 | SN-45 | 420 | 5200 | 1S | $2.5 \overline{5}$ |
| 24 P 29033 $\dagger$ | 8-2 | SN-55. SN-H45, SN-H44 |  |  | is | 2.67 |
| 24 P 29041 ¢ | 8-3 | TO.45, TD. 55, TO-H44, TO-H46 | 6475 | 5203 | 15, 35 | 3.00 |
| 24 P 29017 | B-4 | ST-2V, ST-1V | 140 | 5227 | .75. 35 | 3.60 |
| 24 P 79103 | B-5 | ST-4x, ST-5x, ST-40x | 474 | 5219 | . 7 S . 35 | 2.99 |
| 24 P 29074 1 | B-6 | CN-65. CN-68 | 146 | 5241 | .75, 35 | 3.30 |
| 24 P 29058 | B-6 | CN-72D | 140D | 5202D | .70, 35 | 5.10 |
| 24 P 29082 | B-6 | CN-73, CN-75 | 142 | 5243 | .75, 35 | 3.30 |
| 24 P 29080 | B-7 | IN-4A. TN-4B | 133 | 5208 | 75, 35 | 5.84 |
| 24 P 29025 | B-7 | TN-4AD, TN-4BD | 133 D | 5208D | 70, 35 | 7.65 |
| 24 P 29108 | B.7 | TN-8U, TN-8T | 133 | 5209 | .75, 35 | 5.84 |



VR-1000 STEREO CARTRIDGES
Variable reluctance stereo cartridges teaturing extended frequency response and low tracking pressure. Supplied with diamond stylus.
VR-1000-3 ELLIPTICAL OIAMONO NEEOLE STEREO CARTRIOGE. For any quality changer or tone arm that tracks from 3.7 grams vertical force. Shpg. wh., 502.
21 P 384931
Net 20.84 VR-1000-5 FOR TURNTABLES. Complete with .5 mil. dlamond stylus for use with automatic turntables or professional tone arms that trach at 4 grams or less. Shpr. wt., 5 ot.
21 P 38014L $\qquad$ .Net 15.10
VR-1000.7 FOR CHANGERS. Essentially the same as VR-1000-5 but designed for the greater 3.7 gram tracking force required by most record changers. 7 mil diamond stylus. 21 P 38030L Shpg. wt., 5 oz. Net 12.59

## VR-II MONAURAL CARTRIDGES

Variable reluctance monaural cartridges feaw turing smooth frequency response and extremely high compliance. Utilizes clid-in tlp stylus assembly for simple installation. Car. tridges supplled less stylus. Select stylus type(s) to sult your particular adplication from fisting below.
VR-IIS SINGLE-TYPE CARTRIOGE. "SinglePlay" cartridge accommodating one stylus. Supplied less stylus. Select stylus from listing below. Shpg. wt., 302.
21 P 38519 L Cartridge less stylus..Net 5.42 VR-IIO OUAL TYPE CARTRIDGE. Convenlent dual stylus "Triple.Play" cartridge. A twist of the knob brings either microgroove (LP or 45 RPM) or standard 78 RPM stylus into position. Supplied less styli. Select styll from listing below. Shpg. wt., 3 oz.
21 P 38535L Cartridge less styli... Net 6.67

## G.E. STYLI

Individual stylus tips for VR-II series cartridzes. D-diamond stylus, S-synthetic stylus. Shpg. wt., 3 oz.

| Stock No. | GE Type | Stylus | Net |
| :--- | ---: | ---: | ---: |
| 21 P 38188 L | $4 \mathrm{G}-07 \mathrm{~S}$ | .7 mil S | 1.42 |
| 21 P 38196 L | $4 \mathrm{G}-02 \mathrm{~S}$ | 2.5 mil S | 1.42 |
| 21 P 38204 L | $4 \mathrm{G}-03 \mathrm{~S}$ | 3 mil S | 1.42 |
| 21 P 38212 L | $4 \mathrm{G}-07 \mathrm{D}$ | .7 mil D | 3.33 |
| 21 P 38220 L | $4 \mathrm{G}-02 \mathrm{D}$ | 2.5 mil D | 3.33 |
| 21 P 38238 L | 4 G .03 D | 3 mil D | 3.33 |

## ELECTRO-VOICE FEATHERIDE WIDE-RANGE CERAMIC

- Absolutely Scratch Proof
- Plays Stereo or Monaural

Protect your records with these fine floatingaction spring-suspension cartridges which makes it practically impossible to damage either record or stylus. Reduces distortion caused by warped records. Both are Hi-fi quallty and will fit all standard arms with ha" or $1 / 2^{\prime \prime} \mathrm{mig}$. centers. Excellent separation and low distortion. Equipped with .7 mil diamond and 3 mil synthetic sapphire styli. Shog. wt., 3 oz.
TYPE 1490F Tracking pressure 2-4 grams.
24 P 30163 ................................Net 1D. 50
TYPE 1500F Tracking pressure $4-6$ grams.
24 P 30171
Net 10.50

# Replacement Cartridges - Spindles 

 REPLACEMENTS FOR TETRAD CARTRIDGESThese two illustrations represent over 200 manufacturer's part numbers for Tetrad ste-

# REPLACEMENTS FOR IMPORTED BATTERY AND ELECTRIC PORTABLE PHONOS 

reo cartridges. Lalayette is the first to offer replacements for these cartridges which are used, among others, by Admiral, Airline, Arvin, Bradford, Curtis-Mathis, Emerson, Gar. rard, Motorola, Muntz, Olympic, Philico, Sears. Sylvania, Symphonic, VM, Westinghouse and Zenth.
To order correct replacement, select correct shape, standard bracket or snap-in and match the color of the terminal socket with
 list below. Shpg. wt., 3 oz


FIG. A. STANOARO BRACKET MDDELS

| Stock No. | Fig. | Terminal Socket Color | Styli | Net |
| :---: | :---: | :---: | :---: | :---: |
| 24 P 53256 | A | Black, Blue, Green | .70.3S | 8.97 |
| 24 P 53264 | A | Grey, Orange | .70,3S | 8.97 |
| 24 P 53272 | A | Yellow | .70,35 | 8.97 |
| 24 P 53280 | A | Red | .70,35 | 8.97 |
|  |  | B. SNAP-IN MDDELS |  |  |
| 24 P 53298 | B | Black, Blue, Green | .7D,35 | 8.97 |
| 24 P 53306 | 8 | Grey, Orange | .70,3S | 8.97 |
| 24 P 53314 | 8 | Yellow | .7D.3S | 8.97 |
| 24 P 53322 | 8 | Red | .7D,3S | 8.97 |

Stock No.
24 P 53256
24 P 53264
44 P 53272

24 P 53298
24 P 53306
24 P 53314
24 P 53322

## REPLACEMENTS FOR VACO CARTRIDGES

Crystal cartridges to replace Vaco cartridges used in many such as BSR, Glaser-Steers eic. Turnover type equipped with 2 needles. Tip Code; LS 1 mil and 3 mil; LT . 7 mil and 3 mil . Shpg, wt., 3 oz.

| Stock No. | Ast. No. Tip | Fig. | Vaco Equiv. | Output | Net |  |  |
| :--- | :--- | :--- | :--- | :--- | :---: | :---: | :---: |
| 24 P 50617 | 470 | LS | S | T0.45 X (G) |  | 3.0 | 3.57 |
| 24 P 50625 | 472 | LT | T | ST-2X, 100X, 20X, 20G | 0.8 | 4.50 |  |
| $24 P 50633$ | 474 | IT | T | ST-200X, 40X, 4X, 40G | 2.0 | 4.35 |  |



These two cartridges are used in hundreds of models of baltery and electric portable phonos, such as Chanel Master, Delmonico, GE, Magnavox, Philco, ACA, Singer, Symphonic. Toshiba, etc. They are recognizable by their color, shape and manner of mounting. Wt., $3 \mathbf{0 z}$. FIG. C. PRESSURE-FIT MDUNTING WITH TEETH
24 P 53330 ivory push-in pressure fit with teeth ......Net 2.67 24 P 53041 Grey push-in pressure fit with teeth .........Nel 2.67

FIG. D. SIOE SCREW HOLE MDUNTING 24 P 53348 Ivory side screw mounting

Net 2.67 24 P 53355 Grey side screw mounting .................................Net 2.67
REPLLCEMENTS FOR BSR ANO VM
45 RPM SPMOLES

For automatic operation of a stack of 45 APM records on BSR or VM changers. Shpg. wt., $40 z$.
Fig. E. Flat spindle for use with BSR UA-15SS, UA$25, \cup A-40,1500,2500,15,25,65$, and 75 series; MCDonald 400,500,500A, and 600. 24 P 02204

Net 1.49
Fig. E. For use with BSR Mini-Changers. 24 P 02568
.Net 1.49
Fis. F. For all recent and current VM full-size changers with short centerpost $23 / 4^{\mathrm{m}}$ high. 24 P 53363 VM 1120 (1116)
. Net 1.49
Fis. G. For older model VM changers with long centerpost $4^{*}$ high. VM 1115 (1105). 24 P 53371

Net 1.9 S

## NORTRONICS TAPE HEADS and ACCESSORIES

## QUIK-KIT MOUNTING HARDWARE

| Steck No. | QK No. | Description | Net Ea. |
| :---: | :---: | :---: | :---: |
|  |  | SIDE-MOUNT |  |
| 26. 57357 | 18 | All erase | 1.25 |
| 28 P 57340 | 20 | 3000 RP series | 1.25 |
| 28P57332 | 38 | Other RP | 1.25 |
|  |  | EASE-MOUNT |  |
| 28.57311 | 19 | All erase | 1.25 |
| 28.57373 | 21 | 3000 RP | 1.25 |
| 20.57365 | 66 | Other RP | 1.25 |
|  |  | SPECIALS |  |
| 28 P 57920 | 102 | Sony RP | 1.75 |
| 2. P 57993 | 119 | Sony RP | 1.25 |
| 28. 58256 | 306 | Sony erase | 1.50 |

## FREE TAPE HEAD REPLACEMENT INFORMATIOIN

Below is a partial tape head replacement listing. We can supply information and Mortronic replacements for over 2800 recorder models. If yours is not listed, write to us supplying manufacturer and model number, lape head function and track conflguration.
AT- 100 Allgnment tape. Full-track $71 / 2$ ips. For head azimuth allgnment \& NAB testing frequency response of any recorder or tape head. Shps. wt., 6 oz. 28 P 57589

Net 9.90

## AUTO AND HOME 8-TRACK CARTRIDGE REPLACEMENT HEAD

Record/Playback replacement head for practically all auto and home 8 -track carlridge tape players. Shpg. wt., 302.
28 P 58272 Nortronics 5800
Net 10.90

## DIRECT REPLACEMENTS FOR POPULAR TAPE RECORDERS

Premlum quality no-mount heads for replacement and conversion purposes. Use with mounting kits, below, for easy installation. Response $40-20,000 \mathrm{~Hz}$ at $71 / 2 \mathrm{lDs}$. Crosstalk rejection 55 db . For

| Stock No. | Mirs. Type | Function | For PANASONIC | - Quil | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 P 57084 | 3101 | AP | 101S, 102S, 152 S | 21 | 11.00 |
| 28 P 57084 | 3101 | RP | 115, 500, 555 |  | 11.00 |
| 26 P 58165 | 1008 | RP | 755, 755S | 66 | 22.40 |
| 21P 57100 | 1401 | E | 755, 755 S | 19 | 9.90 |
|  | For CONCORD |  |  |  |  |
| 21 P 57084 | 3101 | RP | 320, 330 |  | 11.00 |
| 28 P 57019 | 1000 | RP | 4000, 401, 400RP | 66 | 22.40 |
| 2t P 57100 | 1401 | E | 440 ( 40 | 19 | 9.90 |
| 28 P 58090 | 1007 | $R$ | 880 | 66 | 22.40 |
| 28 P 58090 | 1007 | RP | 990, 994 | 66 | 22.40 |
| 21 P 57100 | 1401 | E | All above | 19 | 9.90 |
| For VM Models |  |  |  |  |  |
| 20 P 57084 | 3101 | RP | $\begin{aligned} & 710(\mathrm{~A}), 711(\mathrm{~A}), 714,730, \\ & 750(\mathrm{~A}), 1000 \\ & 7100,720,722,735(\mathrm{add} \mathrm{~A} \\ & \text { trach } 740(1), 741,755, \\ & 1001-(1,2), 1002 \cdot(1,2) \end{aligned}$ | 20 | 11.00 |
| 28 P 58065 | 1009 | RP |  |  |  |
| 20. P 57100 | 1401 | E |  | 38 | 21.50 |
|  |  |  | 1001 (1, 2), 1002-(1, 2) | 18 | 990 |
| 28 P 57282 | 6002 | RPE | 740, $740 \cdot 1,741$ | 38 | 30.90 |

frequencles to 100 kMz , Av. Shpg. Wt., 4 oz .
R-Record; P-Play; E-Erase. Mounting Mardware where required. (See below). With instructions.

| Stock No. | Mirs. Type | Function | For Sony superscope Some Prefired TC, SSA | $\begin{aligned} & \text { Quik } \\ & \text { Kit } \end{aligned}$ | $\begin{aligned} & \text { Net } \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 P 57019 | 1000 | RP | 262(D. SL), 464(C, S, D, St) | 102 | 22.40 |
| 28 P 57019 | 1000 | RP | 300, 500, 501, 521 | 119 | 22.40 |
| 28 P 58090 | 1007 | RP | 200, 250, 260, 350, 530, 600 | 102 | 22.40 |
| 2. P 57100 | 1401 | E | 260, 350, 530 | 306 | 9.90 |


| For Revere, WOLLENSAR, 3M |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 28 P 58033 | - RRPE-20 | RPE | 10, 11, 15-27, 200, 202, |  | 24.40 |
| 28 P 57423 |  |  | 700, 7000, 750, 752, 762, |  |  |
|  | - - RPE-23 <br> (See Note) |  | 800, 8000, 826, 850, 852, |  |  |
|  |  |  | 900, 905, 925, 926, 1000. |  |  |
|  |  |  | 1005, 1025, 1026, 1100. |  |  |
|  |  |  | 1105, 1125, 1126, 1200, |  |  |
|  |  |  | 1205, 1225, 1226, 1400 |  |  |
|  |  |  | (8, C, D, E), 1405, 2425. |  |  |
|  |  |  | 1426, 1500, 1520, 1570, |  |  |
|  |  |  | 1600, 1700, 1800, 2000, |  |  |
|  |  |  | 2005, 2025, 7805, |  |  |
|  |  |  | 70000 series |  | 18.80 |
| 28.57423 | RPE-23 | RPE | 100, 300, 301, older 27h | - | 18.80 |
| 28 P 57282 | 6002 | RPE | 1280, 1281 |  | 30.90 |

# Portable Black and White VIF-UHF Solid-State TV Sets 

## SANYO 21 T43 SOLID-STATE TV



NEW! $89{ }^{55}$

- $12^{\text {" }}$ Picture Measured Diagonally - VHF 2-13, UHF 14.83

Engineered for supert performance and outstanding reliability with $100 \%$ solid.state chassis. Deluxe features include: separate UHF and VHF tuners, instant-on picture and sound, VHF telescopic and UHF loop antennas. Front mounted Unicone $31 / 8^{\prime \prime} \times 51 / 9^{\prime \prime}$ speaker, and Modern sculptured design with built-in carrying handie. Includes personal earphone. Size: $121 / 2 \times 17 \times 111 / 2^{2 \prime}$. For 120 volts AC 60 Hz . Imported. Shpg. wt., 22 los. 17 P 59083 WX No Money Down'..Net 89.95

## Sony TV-740 Battery/AC TV


$119^{95}$ No Money Down*

- 7" Picture Measured Diagonaily
- 82 Channel UHF/VHF Reception

Streamilined styling with chrome accents operates on 117 V . 60 Hz AC; optional re. chargeable 12 -volt battery. or, 12 VDC car/ boal battery. Keyed AGC system for sensitive reception. Black screen for better picture both indoors and outdoors. Built in VMF tele. scoping antenna and front mounted $33 / /^{\prime \prime}$ speaker. With earphone, UHF loop antenna. Sue: $9 \% \times 81 / 4 \times 10 \%{ }^{\circ}$., For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpr. wt., 13 lbs.
17 P 33005 WX
Net 119.95


- $12^{" \prime}$ Picture Measured Diagonally - Earphone for Private Viewing - VHF 2.13. UHF 14.83

An exciting portable TV with full feature digital clock, sleep timer. alarm and slide. lever controls. Set iv to turn off automatically, preset it to wake you up to TV or alarm in time to view your fayorite show. Monopole VHF and bowtie UHF'antennas puli in signals strongly and clearty. Up-front dynamic speaker. The clock face Hehts up for easy nizhttime viewing. The sleep timer shuts the set off automatically after up to 3 hours of viewing. Complete with personal earphone. For 117 VAC 60 Hz . Sizes $117 \mathrm{~h}^{\prime \prime} x$ $181 / 4$ " $\times 111 / 2^{\prime \prime}$. Imported. Shpg. wt. 24 lbs. 17 P31918wx

Net 119.95

## Sony TV-112 Battery/AC TV



## $139^{95}$

 No Money Down ${ }^{*}$- 11 " Picture Measured Diagonally - Channel Coverage VHF 2-13, UHF 14.83 Big 11 " screen measured dia Ronally. Snap-1n non-klare fitter provides clear, vivid reception in any light. Super sensitive solid. state circuitry. Built-In VHF adjustable telescoping antenna. Front mounted oval $31 / 7 \times 43 / 4$ speaker. 23 transistors. 1 IC, 15 diodes, and 1 rectifier. Keyed AGC and AFC systems. front mounted illuminated tuning hnobs makes channel chanking easy and accurate. Contemporary styling in Diack with silver trim. Size: $114 / 8 \times 114 / 4 \times 111 /{ }^{\circ} \mathrm{D}$. Imported. For 117 VAC. 60 Hz . Shog. wl.. $183 \mathrm{3} / \mathrm{lbs}$. 17P33021wx

Net 139.95

[^10]
# SONY, SANYO, and HITACHI Color TV Sets 

## SONY Trinitron Single Gun Color TV Sets

## All SONY Color TV Sets are Solid-State and Contain the Exclusive Trinitron Color System to Produce Bright, Sharp Pictures

Model KV 1201-12" picture measured diagonally. Features: Sony Single Gun Trinitron Color System for magnificent true-to-life color, automatic color control, lighted channel indicators, instant picture and sound, Charcoal grey cabinet with chrome trim. Convenient carrying handle. 82.channel UMF/VHF reception, With VHF dipole antenna and UHF loop antenna. Size: 1313 I 173/16 $151 / 2$ ". For $117 \mathrm{VAC}, 60 \mathrm{Mz}$. Imported. Shps. wt., $361 / 2$ lbs.
17 P 32973 WX No Money Down* ....Net 329.95
NEW Model KV 1510 - Same features as KV 1201 but with $15^{\text {" }}$ Picture measured dagonally and Automatic Fine Tuning. Sire: $141 \mathrm{koH} \times 202 / 2 \mathrm{~W} \times$ $16^{5} / 10$ "D. Imported. Shpg, wt., 44 los.
17 P 33088WX No Money Down* .... Net 399.95
Model KV 1710 - Same features as KV 1201 but with 17" Picture measured diagonally and Automatic Fine Tuning. Sizes $131 / 4 \times 18^{\circ} / 14 \times 151 / 2^{\prime \prime}$. Imported. Shps. wt., 70 lbs.
17 P $33039 W x$ No Money Down ${ }^{\circ}$...Net 449.95

## 3 Models to Choose From

| Model KV 1201 12" Picture Measured Diagonally | Model KV 1510 15" Picture MeasuredDiagonally |
| :---: | :---: |
| 95 | $309^{95}$ |


| Model KV 1710 |
| :---: |
| 17" Picture |
| Measured Diagonally |
| 44095 |

SANYO Solid-State Color TV Sets
HITACHI CE-700

Model 31C35 $13^{\prime \prime}$ Picture Measured Diagonally


$$
\begin{aligned}
& \text { Model 91C55 } \\
& 19^{*} \text { Picture } \\
& \text { Measured } \\
& \text { Diagonally } \\
& 30095 \\
& 359
\end{aligned}
$$



Model 31 C35 - Handsomely styled color TV set with 100\% solid-state circuitry including Integrated circuits (IC's) for an extraordinary clear, high resolution picture. Utilizes adIntegrated design "high phosphor" picture tube for a 13 " viewable picture measured diag. onally. Defuxg features include Automatic Fine Tuning, instant-on picture and sound, UMF and VMF detent tuning, earphone and 10 ft . of cord for private listening. 82 -channel UHF VWF reception. Handsome wood grain finish cabinet. Built-in telescoping antenna, fold away handle. Color and Tint slide controls. Size: $131 / 2 \mathrm{H} \times 184 / 2 \mathrm{~W} \times 16^{\circ} \mathrm{D}$. For 120 $\mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg, wt., 37 lbs.
17 P 59091 wx No Money Down*
Net 319.95
wodel 91C5S - Same as 31 C35 but with $19 "$ viewable picture measured diagonally, pushbutton Aft (maintains fine picfure quality when channel Is changed). Does not have foldaway handle. Size: $161 / 2 \mathrm{H}$ 天 2334 w 天 $20^{\prime \prime} \mathrm{D}$. Imported. Shpe. wt., 72 lbs .
17 P S9109WX No Money Down
.Net 399.95


Engineered with $\mathbf{1 0 0 \%}$ solid.state circultry to provide years of trouble.free viewing. $\mathbf{1 7}^{*}$ picture measured diagonally. Features APS (Automatic Picture Setting) and AFC (Auto. matic Frequency Control) for clear, Ilife-like color reception. Memory fine tuning gives you a beautifuliy tuned in image every time the set is turned on once it is originaliy adjusted. Full 82 channel VHF/UMF reception, with 8 -position detent/presel UWF tuner. Handsome vinyl finished wood cabinet. Big $3 \times 5^{\prime \prime}$ full fidelity speaker, with earphone for private listening. Size: $235 \mathrm{fW} \times 15 \% / 1 \mathrm{ch}^{\mathrm{H}}$ x $19 \% /{ }^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg. wt. 60 lbs. No Money Down.
17 P 24319WX
Net 369.95

# Quality Solid-State Radios For The Car 

## NEW! Under-Dash Solid-State FM/FM Stereo Car Radio

## $6^{95}$ less speakers

- FM Stereo Indicator Light
- Slide-Lever Balance and Tone Controls


Compaet FM/FM Stereo car radio that's onty $11 / 0^{* H}, 5^{N} D$, and $6^{\prime \prime}$ W Hooks-up directly to your present AM car radio and antenna. Auto. matically turns off AM when you swltch to FM/FM Stereo. Engi. neered with dependable solld-state IC circultry. Features an illuminated stide.rule tuning dial and a Stereo Indicator light that shows when you're tuned to an FM Stereo station. Slide-lever controls for


## SOLID-STATE PUSHBUTTON AM/FM CAR RADIO

5788

- Includes Free Antenna
- Large $5 \times 7^{\prime \prime}$ External Speaker
- For 12 Volt Neg./ Positive Ground System

All solid sfate circuitry. 11 transistors, diodes, 2 thermistors. Push-pull HI.Fi output. AFC for FM drift free performance. High sensitivity for long distance reception on both AM and FM. Four I.F. Stages on F.M. for maximum noise timiting, Large $5 \times 7^{*}$ external speaker. Radio mounts neatly under dash. Overall size: $61 / 2 \mathrm{~W}$ $2 \% / \mathrm{H}^{2} \times 65 \mathrm{~m}^{-D}$. Imported. Shpg. wt., 7 lbs.
17 P74124 No Money Down**
Nel 57.88


MANUAL AM CAR RADIO

$20^{70}$

- Built-in Speaker Plate - Tone Control Switch - For 12 Volt Negative Ground Systems
Universal Solid State AM radio that is easy to install under the dash. Offers fine sound reproduction. Features built-in speaker and tone control slide switch, 7 transistors, 2 diodes. RF stage, AvC. Removable face plate. For 12 volt negative ground system. Size: $2 x .43 / 46 \frac{1}{2} 2^{\prime \prime}$. Imported. Shpp. wt., $27 / 4$ ths.
17 P 74256

Balance and Tone, and a pushbutton Stereo/Mono selector. No holes or driting required-installs easily with "Grip Tight" mounting strip. Supplied with antenna "Y" connector, all mounting hardware and accessories. For 12 vDC negative ground systems. Imported. Shpg, wt., 2 lbs.
17 P 80097 W No Money Down* ......................................... 69.95


## DELUXE UNIVERSAL AM/FM/FM STEREO PUSHBUTTON CAR RADIO

## 99 95

- 3 IC's and 2 FET's
- 8 Tuned FM Circuits
- 6-Watt Output Per Channel

Powerful Solid-State AM/FM/FM Stereo Radio feafures: Integrated circuitry, 3 I.C.'s and 15 silicon transistors, to produce more than 6 watts per channel of stable, drift.free output. 5 tuned AM circuits, 8 tuned FM circuits, automatic frequency control, AFC On-Of switch, Stereo.Mono switch, Stereo indicator Hght. Reversible insert panel resulting in 3 -way die-cast face plate. Fiexible antenna lead connector. 12 volt negative or positive ground operation. Size: $61 / 2^{\circ}$ wide, $64 /{ }^{\prime \prime}$ deep, 2" high. Shpg. wt., $41 / 2$ bs. Imported. 17 P 8005sw No Money Down*

Net 99.95 Set of 2 Rear Deck $3^{* *} \times 5^{*}$ Speaker Systems. Imported. 99 P 62994 Shpg. wt., $21 / 2$ lbs.

Net 6.95


## DELUXE PUSHBUTTON AM CAR RADIO

## $34^{95}$

 - 6 Watt Push/Pull Output- Large $5^{\prime \prime}$ by $7^{\prime \prime}$ External Speaker
- For 12 Volt Neg./Pos. Ground Systems


## Attractively styled under dash solid state

 AM push-button car radio with reversible face plate-black on one side, walnut on the other, 6-watt push-pull output with AGC. External $5 \times 7^{\circ}$ speaker. Size: $61 / 4 \mathrm{~W}$ a $43 / 4 \mathrm{D} \times 2 \mathrm{H} \mathrm{H}$. Imported. Shpg. wt., 5 lbs.17 P 80048 No Money Down' . Net 34.95


## NEW! SANYO SOLID.STATE AM/FM TACHOMETER STYLE CAR RADIO

$59^{35}$Includes
Ni-Fi Speaker
and Antenna

- For 12 V Negative Ground Systems

High performance AM/FM car radio styled like a sports car tachometer! Installed eas. lly under dash or on the floor. Features lighted tuning dial; hi-fi speaker system; selfadhering transparent windshield antenna; anti-theft lock. size: $342^{\circ} \times 61 / 4^{* \prime}$. Imported. Shpg. wt., 2 lbs.
17 P 59117 No Money Down* Net 59.95

## Custom Deluxe Solid-State Radios For Volkswagen Cars



## PUSHBUTTON AM CAR RADIO

$33^{\circ}$- For All Standard Models from 1967-1972 Just a snap to install. All transistor circuitry provides 3-watts of audio power. AVC provides constant, even comfort-level listening. Continuously variable tone control. Five quick-set pushouttons. Seven funed circuits including RF stage, give maxlmum sensitivity. For 12 Volts D.C., negative ground. Imported. Shpg. wt., 6 lbs.
17 P $74694 W$ No Money Down*
Net 37.95
Manual solid-state AM car radio for $1967-72$ Volkswagen Cars. Same as above but manual luning. Shpg. wt., $21 / 2$ lbs.
17 P 74264

- Will also custom fit "Super Beetle"
- Complete with $5^{\prime \prime}$ Diameter External

Speaker and All Mounting Hardware

Net 29.30


## DELUXE PUSHBUTTON FM-AM CAR RADIO

- For 1967 Thru 19721300 Series Models
- Will Also Custom Fit Super Beetle
- 6-Inch External Speaker
- 11-Transistors, 2-Diodes
- Snap-in Front Mount for Easy Installation Deluxe solid-slate custom AM.FM radio for all standars Volmswagen 1967.1972 models. Will also custom fit the new Super Beetle. All solld-state circuliry. 11-transistors, 2-diodes. AFC on FM for driftfree performance. Push-pull oulput. High sensitivity for long distance reception on both AM \& FM. $4 \cdot / 1 F$ stages on FM. Continuous variable tone control. Snap-in front mount. Large $6^{\prime \prime}$ external speaker. Imported. For $1967-1972$ Volkswagens. Shpg. wi., 6 lbs.
17P 74405 No Money Down*
Net 69.95


## Custom Deluxe Solid-State Radios For Toyota Cars



PUSHBUTTON AM RADIO FOR TOYOTA CORONA AND COROLLA
$38^{50}$

- With External 5x7~ Speaker
- Push-Pull Output With AGC
no Money Down* Fits All Cars From 1967 Thru 1972 Models Fine performing custom radio. All silicon solid.state circultry. External $5 \times 7^{\prime \prime}$ speaker for fine sound reproduction. Tone Controt. Pushpull output with AGC. For 12 -volt negative ground systems. Shpg. wt. . 5 lbs. 1 mported.
17 P 80030
Net 38.50
Pushbutton AM Radio for Toyota Mark II
Same specs and features as above but specifically designed for custom installation in Toyota Corona Mark II cars, (1967 thru 1972).
Imported. Shpg. wt., 5 Ibs.
17 P 80014
Net 38.50


PUSHBUTTON AM/FM RADIO FOR TOYOTA CORONA, CORINA, CELICA,

$72^{30}$
No Money Down* AND COROLLA

- With External 5x7" Speaker - AFC For Drift Free FM Performance
- Fits All Cars From 1967 To 1972

All shicon solid state circuitry with 8 -watt output. Features; builtin AFC to prevent drift on FM, and AGC. Colored dial Itghts for AM and FM. External $5 x 7^{\prime \prime}$ speaker. For 12 volt negative ground systems. Imported. Shpg. wt., 6 lbs. 17 P 80006

Pushautton AM/FM Radlo for Toyofa Marh II
Same specs and features as above. but specifically designed for custom installation in Toyota Corona Mark II cars (1967 thru 1972). imported. Shpg. wt., 6 lbs.
17 P 80022
Net 72.90

## Deluxe TENNA IC Solid-State Car Radios

## $89^{90}$

tess speakers

Easily Mounts
Under the
Dash of Any Car


## FM STEREO CAR RADIO

Enjoy FM stereo broadcasts in your car. Features FM stereo Indicator Lighi, balance slide control, tone controt, mono/stereo switch, and powerful solid state IC circuitry- 4 iC 's, 5 transistors, and 8 diodes. Peak Audio Power 4 walts per channel. Measures only $23 \mathrm{zH} \times 41 / 6 \mathrm{~W} x$ 6\%"D. With mounting bracket and hardware. Less speakers. Imported. Shpg. Wi. $21 / 2$ Ibs.
17 P 74652 No Money Down

less speakers

Easily Mounts
Under the
Dash of Any Car


## AM CAR RADIO

Measures on $11 / 4 \times 41 / 4 \times 53 / 4=h i g h$ styled chrome and black finish. For 12 volt negative ground systems. Powerful Solld State integrated clrcultry. Power output: 3 watts music power at 8 -ohms. 5 Transistors, 1 IC. Less speaker. With mounting bracket and hardware. Imported. Shpg. wt., 2 tbs.
17 P 74660
Net 29.95
See Page 271 for Lafayette's Complete listing of Car Speakers

## Car Reverb Units LAFAYETTE Solid-State Car Reverberation Amplifier



Recreates Concert Hall listening in Your Car

## 95

Including Mounting Bracket
Less Speaker
NOW-listen to the most dramatic sound of music you have ever heard in a car with the Lafayette solld state Automobile Reverbera tion ampilfier. When used with your present 12 -volt negative ground AM or FM car radlo, the Latayette Reverb amplifier creates a second set of reflected sound waves reproduced through a rear seat speaker (not included). These reflected sound waves provide this excitins new dimension in sound reproduction. Features a pushpull Fader? Balance control. Balances regular car radio speaker and reverb speaker. Also controls amount of reverberation-from 0 to maximum. separate isolation transformer for ultimate matening conditions. For
 bracket. Imported. Shpg. wt., $21 / 4 \mathrm{lbs}$.
99 P 85193
Net 9.95
See Page 271 for Rear Seat Speakers

## Hitachi KMT-880 Solid-State FM Converter For AM Car Radios



# $27^{70}$ 

Complete with all mounting haroware.

- AFC For Drift Free FM Reception
- Precision Slide Rule Tuning
- For 12 Volt Negative Ground Systems

Convert your present AM Car Radio to an AM/FM radio. Operates on 12 volt negative ground systems. Advanced solid-state circuitry consists of 7 transistors, I varistor, and 1 Zener Oiode. Tuning Range: 88-108 MHz. Features: AFC for drift free FM reception, dial light and adjustable brackets for easy installation under the dash. Precision slide rule tuning dial with logging scale. With all mounting hardware. Slze: $4 \% / 0 \times 150 \times 4 \% \mathbf{m}^{\prime \prime}$. Imported. Shpg. wt., 3 lbs .

[^11]Net 27.95

## and FM Converters Deluxe Solid-State Car Reverberation Sound System



- Tuneable ... Electronic Tuning Control. "Custom Fits" the Sound to your car, to your Ear
- For 12 Volt Negative Ground AM and FM Auto Radios-Convenient Under Dash Mounting

Oeluxe solid state tuneable reverberation unit converts your present car radio into a magnificent sound system offering concert hall realism. Beautifully styled to enhance the decor of your car. Consists of the tuneable amplifier control unit which easily mounts under the dash panel of your car by means of adjustable brackets, $6 \times 9^{*} d y$ namic speaker and chrome grill for rear seat mounting, and all connecting cables. Includes simple instructions for connecting the reverb unit to your regular car radio system and for separate rear seat speaker. "REVERBERATION," tones are created thru the rear speaker thus providing a truly 3 , dimensional sound system in your car. Simplified controls permit balance of sound between front and rear seat speaker. Verb-A-Tone control adjusts the amount of reverberation to your taste. Specifications for 12 volt negative ground cars, peak audio output- 4 watts, 2 transistors. Sire: $17 / 4 " x 4^{\prime \prime} x 9^{\prime \prime}$ Shpg. wt., $43 / 4 \mathrm{lbs}$.
17 P 01093
Net 19.95

## Deluxe RANGER Solid-State FM Converter For AM Car Radios



## $39^{95}$

- FM Sensitivily . $4 \mu \mathrm{~V}$
- AFC on FM For Drift Free FM Reception
- For 12 -Volt Negative Ground Systems


## With All

Mounting Hardware
Converts your existing AM auto radio 10 play the FM Broadcast Band. All solid-state circult ( 6 transistors, 8 diodes) gives instant opera tion. Bullt-in AFC permits drift-fret recedtion of distant $5 M$ stations AM/FM switch allows instant selection of AM or FM stations. Simplified installation. Sensitivity: $.4 \mu \mathrm{~V}$. Handsome walnut wood grain face plate and sparkiling chrome finish with black teatherette decal. Sire: $17 / 0 \times 4 \times 9^{\prime \prime}$. Imported. Shpg. wt., $31 / 4 \mathrm{lbs}$.
17 P 74207 No Money Down*
Net 39.95

# Auto Antennas - Accessories - Vibrators 


(1) CONTINENTAL SINGLE SIDE MOUNT Continental single side mount. For trucks. Volkswagens and other foreign cars. Flexible adjustment with unique vertical locking. 3 section. Extends to $5^{\prime \prime \prime}$ from $20^{\circ}$. $32^{\prime \prime}$ lead cable.
11 P 88010 Shpg. wt., $3 / 4 \mathrm{Ib}$. .. Net 2.99 (2) "FLEX-O-MATIC" UNIVERSAL ANTENNA Heavy-duty, bounce-bach. spring mount. Fully adjustable - mounts anywhere. 3 sections. $63^{\prime \prime}$ extended, $28^{10}$ collapsed. $48^{3}$ lead.
11 P 74077 Shpg. wt., 9 oz. ....Net 3.65
(3) UNIVERSAL MOUNT AERIAL

Can be mounted anywhere on car. Adjusts to any angle. 3 section. measures $20^{\prime \prime}$ collapsed. extends to $59^{\prime \prime}$. Complete with $48^{\prime \prime}$ lead. 11 P 74119 Shpg. wt., 1 lb. ....Net 2.50
(4) LO-BOY DISAPPEARING ANTENNA

For shallow installations, foreign and sports cars. Takes ony $94 / 2^{\prime \prime}$ below fender or deck. Extends to $25^{\prime \prime}$ collapses to $1 \mathbf{4 \prime \prime} \mathbf{m}^{\prime \prime} .48^{\prime \prime}$ per. manent lead. Snpe. wt.. 1 lb .
manent lead.
11 P 74036

## Net 2.29



(5) DISAPPEARING KEY-TENNA

Stides completely into mounting base. Locks with key renderling the antenna theft proof. $161 / 2^{\prime \prime}$ below fender. ext. $43^{\prime \prime}$. With $48^{\prime \prime}$ leads: 2 keys. Shpg. wt., 1 lb.
11 P 74044
Net 3.10

## (6) DISAPPEARING FM-KEY-TENNA

3 section disappearing safely-iok antenna. Extends to $31^{\prime \prime}$ for toD FM performance. Complete with $48^{\circ "}$ leads, 2 keys. Shpg. wt., 1 tb. 11 P 74127

Net 3.55
(7) SPRING BACK REPLACEMENT STAFF

One plece, stainless steel. spring mounted replacement staff. $271 / 2^{\prime \prime}$ long overall. Mounts over stub of old antenna. Fits all cars. simple set screw installation. Shpg. Wt.. 9 oz . 11 P 74069

Net 1.25
(8) REPLACEMENT ANTENNA STAFF

3 section $57^{\prime \prime}$ replacement staff. Teiescoping staff replaces antenna lost through accident or vandalism. Mounts on stub of broken antenna. Simple lock on mount. Shpg. wt.. 9 oz. (9) TOP MOUNT FDR VOLKSWAGEN CARS
for 1967 models and UD. Three-section top-mount antenna extends to $38^{\circ}$. collapses to $15^{\circ}$. Fits the prepunched hole which volkswagen has incorporated into its cars. Chrome plated. Complete with $42^{\prime \prime}$ cable. Shpg. wt., 1 lb.


REPLACEMENT ANO EXTENSION LEADS

Replacement lead 54" Universal. Shpg. wt.. 502
11 P 74085
................................Net 120
$24^{*}$ Universal ertension lead 11 P 74093
.......................... Net .89
$36^{\prime \prime}$ Universal extension lead
11 P 74101
............ Net 1.10
ADAPTERS/JACKS/PLUGS/CONNECTORS

(A) Adapter converts Motorola to Delco fitting 1) P 66016 (B) Motorola jack Net .29 11 P 66024 -(B) Motorola jack Net. 29
11 P $66032-(c)$ Motorola plUg Net. 19


## UNIVERSAL 6 \& 12 VOLT VIBRATORS

Direct replacements for most popularly-used types.
6.VOLT 4-PRONG

Replacement for MALLORY 294, 859. 901M, 1601. Radiart 5300. 5301 and manv others. 32 P 56013 Shpg. wt., 4 oz. .... Net 2.95

## 12-VOLT 3-PRONG

Replacement for Buick, Olds, Pontiac and GMM part no. 122-0155: Mallory G874, CO 6330, Delco 8550; and Vokar 3129.
32 P 56021 Shpg. wt. 4 oz.
Net 2.95 12-VOLT 4-PRONG
Replacement for Mallory G859. Motorola 45822000 , Philico and Mopar 83-0025-1. ATR 1840, vokar 4124; and most later 12 volt cap. radio vibrators.
32 P 56039 Shpg. wt., 4 o2. .... Net 2.95

## AUYO TENNA BOOSTER

- Increases Radio Range and Reception
- Electronically Equivalent to $110 \cdot \mathrm{ft}$. Antenna

Increase the signal strength and range of your auto ractio with the new Oynamic Auto Antenna Booster. Brings in distant and weak stations .. stops station-fade. Installs easily in 4 simple steps. Fits all except 4 sect. Antennas. Shpg, wt., $1 / 2 \mathrm{lb}$. 11 P 89026

Net $2.89<$


NOISE SUPPRESSOR KITS $2^{79}$

For all 6 and 8 -cylinder cars, suppresses wide band pulse noise created by the distributor, spark plugs and generator/alternator "hash". Inciudes spart plug suppressors, generator/alternator and light or ammeter by-pass capacitors. Complete with easy installation instructions. Shpg. wt., 6 oz . 11 P 71057 for 6-cylinder cars Net 2.79 11 P 71065 for 8 -cylinder cars Net 3.19


CAR STEREO nOISE ELIMINATOR

Effectively kills the Interference of noise caused by Ignition system of alternator in some cars. Consists of choke and capacitor and instruction for hook up. Shpg. wt., 6 az. 11 P60506

INSIDE WINOOW AUTO ANTENMA


Now you can have the latest type of AM/FM auto window antenna similar to Oetroit's 1972 models. The antenna fits all cars, and can be installed in minutes. The antenna wire is laminated between 2 plies of crystal clear sell-adhering tape. Complete with easy to follow instructions, and a fender replacement cap to cover the hole of your old antenna mount to preserve you car's appearance. Shps. wt.. 602.
11 P 65562
Net 2.95

## WINOSHIELD ANTENNA BOOSTER

Ensures maximum performance from your windshietd antenna, Booster cable has builtin transistor that increases signal strength. Gives extended reception to car radios. Installs easily no tools or cutting necessary. Shpg. wt., 1 lb .
11 P 71081

## POWER HOUSE AUTO ANTENNA

## $\underset{\substack{\text { Buoster } \\ \text { Booin }} 50}{ }$

3-section universal mount (for all cars) auto antenna designed to increase the pange and signal strength of your auto radio. Builtin booster coil lets you tune twice as many stations TWICE as STRONG! Stainless steel mount withstands severe shock, eliminates constant replacement of broken antenna staffs. Swivel base permits mounting at any surface angle. Comes with 48" lead cable. Shpg. wt., 1 lb. 11 P 71073


## "YENNAMATIC" ELECTRIC AUTO ANTENNA As Low As

Operate the antenna at the flip of a switch. Designed to fit most 12 volt cars. Mast entends to $35^{* \prime}$ and retracts to $11_{4}{ }^{\text {r. }}$. Antenna cable is copper shielded. External parts are plated with chrome. Positive 15 lbs. thrust insures "free action" even In sub zero temperatures. Complete with cable, cllps, brackets, switch and plate, screws, wiring harness and instructions. Shpg. wt. $61 / 4$ lbs. REAR MOUNT: 18 feet of antenna lead and 20 feet electric harness.

## 11 p 71024 <br> 11 P 71024

 and $72^{\text {² }}$ electric harness.11 P 71016

# SHARP Solid-State Car/Portable Radios 

## Sharp FX200A FM-AM Car/Portable Radio



- Install In Any 6 or 12 Volt Car or Boat System
- Use As A Portable, or On 117VAC 60 Hz . With Builtin AC Line Cord

Multi-purpose AM/FM solid-state radio designed to provide outstanding reception anywhere. Used as an AM/FM car radio. It locks into Its specially designed under-the-dash bracket and operates thru the car's electrical system $\mathbf{6}$ or 12 volts pos./neg. ground). Slips easily out of bracket for use outdoors-and plays on 4 "C" Batteries (included). For indoor use, it operates on regular 117 VAC household current with the AC line cord provided. Illuminated slide rule tuning. variable tone control, earphone/ external speaker jack. AFC for drift Free FM reception. Ferrite bar AM antenna, telescoping FM antenna. Wide range $4 \times 23{ }^{4 \prime}$ oval speaker. Imported. U.L. Ilsted. Dimensions: $91 / 4 \mathrm{~W} \times 57 / \mathrm{HH} \times 2 \%{ }^{2}{ }^{\prime \prime} \mathrm{D}$. Shag. wt., 6 lbs.
17 P 53185 No Money Down*
Net 41.95 99 P62572 Extra "C" Cells (4 required) ..............Net ea. . 17
$\qquad$
Sharp FY300PA 3-Band AM/FM/FM VHF Car/Portable Police Radio

5195

## tunes:

- FM-VHF $148-176 \mathrm{MHz}$, High Band Police
- 162.55 MHZ, U.S. Weather Bureau forecasts
- AM Broadcast $550-1600 \mathrm{kHz}$.
- FM Broadcast $88-108 \mathrm{MHz}$.

Deluxe, multi-purpose 3 -way solid state radio specially designed for use in car, as a portable, or in the home. Features dramatic FM. VHF High Band ( 148.176 MHz ) reception of police, fire, civil defense, and U.S. Weather Bureau forecasts. Also tunes the standard AM and FM broadcast bands. As a car radio. it locks into its specially designed, under-the-dash bracket (supplied) and operates thru the car's 6 or 12 -volt electrical system. Outdoors it plays on 4 " $C$ " size flashlight cells. Indoors It plays on 117 VAC with an AC line cord (supplied). Features: dynamic oval speaker and 1-watt output for excellent sound quality; precision vernier stide-fule Illuminated tuning dial; variable tone control; earphone; jack an earphone for personal listening; telescoping FM and FM-VHF antenna; ferrite core AM antenna. Dimensions: $9{ }^{1 / 6^{\prime}} \mathbf{W} \times 57 / \mathrm{H} / \mathrm{H} \times 2 \% \%^{\prime} \mathrm{D}$. U.L. Insisted. Imported. Ships. wt., 5 lbs.
17 P 53193 No Money Down*
99 P 62572 Extra "C' Cells (4
Net 51.95

## NEW! SANYO AM/FM Stereocast Weather-Matic Portable Radio

## NEW! SHARP FY-72 Battery/AC FM/AM/SW 3-Band Portable Radio



- Superb Sound from Matched 2-Way Speaker

System- $4^{\prime \prime}$ Woofer and a $2^{\prime \prime}$ Tweeter
A fine AM/FM/Shortwave portable radio featuring the latest Antegrated Circuitry, 11 transistors, 1 FET, and a ceramic filter to provide ultrasensitive and selective reception. Builtin AFC for drift -free FM performance, DX/Local antenna switch for maximum AM reception. and BFO for clear Morse Code signal reception. Unique separate refating drum type tuning dials for all 3 bands. Lamp switch illuminates dial scale and tuning battery meter. Inputs for guitar, mike, and aux. Tape recording output jacks. Complete with AC Adapter for overation from 117 VAC house current, and 3 " " $C$ " batteries for portable operation. Size: $81 K_{0} W \times 55 / 4 \times 2 K_{0}{ }^{\circ} \mathrm{D}$. UL lIsted. Imported. Wt., $41 / 2 \mathrm{lbs}$. 17 P53227L No Money Down*
${ }^{\circ}$ See Page 23 for Full Details on Easy Pay Plan

## Quality Multiband Portable Radios

## NEW! Deluxe JVC 8205 Solid-State AM/FM 2-Speaker Portable Radio <br> 95 <br> With Leather Carrying Case, 3 "C" Batteries, AC Adapter, and Earphone for Private Listening



For news, music, sports on AM \& FM For instant weather and 24 .hour time on FM/VHF. The RP.8120 is also FM Stereo adaptable with accessory miniature Stereocast Adapter and stereo headphones (see listing below). Superb sound from Unicone speaker. Slide rule tuning. Operates on 4 "C" batteries (not included) or 117 VAC. Push. button reception of U.S. Weather Bureau Network Band ( 162.55 MHz ) and 24 -hour Time Band ( 5 MHz and 10 MHz ). Slide controls for Tone and volume. Telescoping antenna. Size: $9 W \times 6 H \times 31 / 2^{\prime \prime} \mathrm{D}$. Im.
ported. Shpg. wt., 4 lbs.
17 P 59067 L No Money Down
Net 49.95 R8. 9000 Stereocast Adapter with Stereo yeadphones. Imported. 17 P 59075L Shpg. Wt. 1 Ib. Above (4 rea.) Net Net 11.95 99 P 62572 "C" Batteries for Above (4 req.) . Net ea. 17

## NORDMENDE Solid-State 16-Band World Wide Shortwave Radios



Globetraveler IV
Covers 16 bands including AM, FM, FM police/tire/U.S. Weather Bureau ( 147.174 MHz ), IW navigation, airport weather, marine telephone, plus il individually bandspread SW bands (see SW coverage). Powered by 5 " 0 " batteries (not included) or 110/220 VAC usable world wide). Features 2 speakers, switchable AFC. noise filter/IF bandwidth switch, funing meter and battery lest. Builtswich. in dual telescopic antenna, Jacks for earphone'headphone/external speaker. Vinyicovered wood cabinet with carrying hande. Size: $81 / 4 \times 131 / 4 \times 41 / 3^{\prime \prime}$. Imporied. 17 P 72105 w Snpg. wt. 11 lbs. Net 189.95 " 0 " Batteries for Above. 5 required. 99 P 62564

GLOBETRAVELER IV and 7000 TUNING RANGES
AM Broadcast 515 to 1650 kHz FM Broadcast 80 to 108 MHz FM Broadcast 80 to 108 MHz
MB Marine Bnd. 1.5 to 3.7 MHz LW Band
FM (VHF) Band 80 Meter Band 61 Mefer Band 59 Meter Band 49 Meter Band 41 Meter Band 31 Meter Band 25 Meter Band 20 Meter Band 20 Meter Band
19 Meter Band 16 Meter Band 13 Meter Band 11 Meter Band 1o Meter Band

145 to 420 kHz 147 to 174 MHz 3.61 to 3.85 MHz 4.60 to 4.89 MHz 4.84 to 5.13 MHz 5.84 to 5.13 MHz 5.90 to 6.28 MHz 6.96 to 7.40 MHz .35 to 9.90 MHz 11.50 to 12.16 MHz 13.80 to 14.50 MHz 14.85 to 15.70 MHz 17.38 to 18.35 MHz 17.38 to 18.35 MHz 20.95 to 22.10 MHz 25.35 to 26.40 MHz 26.80 to 29.90 MHz

## Globetraveler 7000

The deluxe Globetraveler 7000 includes the same band coverage and features as the Globetraveler IV with a larger upright design plus these added fea. tures, Walnut grained cabinet with carry. ing handle. Three speakers with crossover network for dramatic sound quality and greater listening enjoyment. Additional telescopic antenna and additional booster circuitry for Sho:twave and FM/ VHF police reception. Powered by $110 /$ 220 VAC for world wide use, or 6 " 0 " batteries (not supplied). Size: $181 / 2 \times$ $101 / 4 \times 41 / 2^{\prime \prime}$. Imported.
17 P 72201 w wt., 15 lbs. Net 259.95 "0." Batteries for Above. 6 required. 99 P 62564 Net ea.

## NEW! LAFAYETIE Solid-State AM Pocket Radio

- Includes Earphone, Carrying Strap, and Battery

Low priced pocket AM radio provides fine tone from a $21 / \mathrm{s}^{*}$ dynamic speaker. Earphone for private listening. Instant-on solld-state circuitry. Built-in AM antenna, Operates on one inexpensive 9 volt battery. Comes in attractive case, Color may vary. Size: $41 / 2 \mathrm{Hx}$ $21 / 2 W \times 11 / 4^{\prime \prime} 0$. Shpg. wt., $11 / 2$ lbs. Imported. 99 P 35180 L
Extra 9-Volt Battery
99 P 60212

## NEW! LAFAYETTE Solid-State AM/FM Pocket Radio

- Includes Earphone, Carrying Strap, and Battery

Handsomely styled with easy-to-view slide rule tuning dial. Earphone/external speaker jack. $21 / 2^{\prime \prime}$ dynamic speaker. Built-in ferrite AM and telescopic FM whip antennas. Powered by a single inexpensive 9 -volt battery. Black with wood grain trim. Size: $3 \times 4 \% \mathrm{y}$ $11 / 2^{\prime \prime}$. Imported. Shpg. wt., $11 / 2 \mathrm{lbs}$. 17 P 02562 L

Net 10.95 Extra 9-Volt Battery 99 P $6021 p$

Net . 31

## PANASONIC RF5II

 AM/FM Pocket Radio- Includes Earphone, Carrying Strap, and Battery
Pocket-Size FM/AM Portable Radio operates on inexpensive 9 V battery. Built-in FM whip and AM ferrite core antennas, $21 / 4^{\prime \prime}$ dynamic speaker. Easy-see vernier tuning. Band selector switch. Earphone/external speaker jack. Soild-state circuitry. Complete with 9 V battery, earphone, carrying strap and glft
 14/ lbs. tmported.
17 P 31132 L Net................................ 19.8 Extra 9 -volt B Net ea. . 31



# Personal, Portable \& Specialty Ratios 

## $10^{88}$



## PANASONIC R- 70 Spherical AM Portable

- Gift-boxed with Earphone and Battery
- Instant-on Solid State Circuitry
 Blue shown. May come in red or white.


## PANASONIC R72 Toot:A-Loop AM Portable

- It's the Crazy New Radio You Can Wear As a Bracelet Or Twist and It Sits on Your Table or Oesk!

Comes with personal earphone, 9 V battery, color stick-on decals, and giff box. Instanton solid-state circuitry provides sensitive AM reception. Full range $21 / 4^{*}$ dynamic speaker delivers fullbodied sound. Built-in AM antenna. Dimensions: $2{ }^{1} \mathrm{~K}_{0} \mathrm{H} \times 6 \%$ \% W W 6 \% $\%_{4}{ }^{0} \mathrm{O}$. Color of radio may vary. Imported. Shpg. Wt., 1 ib 17 P 31249 Extra 9 -Volt Battery 99 P 60212

Net 12.88
Net .31


## Micro Solid-State AM Wrist Radio

## - Gift Packed with Earphone and

 Wrist-StrapShaped like a wrist watch, but actually a sensitive AM radio, only 2 hn $^{-2} \times 15^{\prime \prime}$ In size, Utilizes space-age instant-on miniaturized solid state circultry. Operates on 2 MS41 batteries (not included). Ferrite bar AM antenna. When you plug in earphone (included) radio speaker is cut off. Includes earphone and wrist-strap. Imported. Shpg. wt. 401
17P 21026 L
Net 14.95 MSA1 Batteries for wrist racio. Pachage of six. Shpg. wt, 3 or.
32 P 46931
Net 2.19

## LAFAYETTE Solid-State MULTI-BAND PORTABLE RADIOS

## NEW! LAFAYETTE Battery/Electric AM/FM Portable Radio

IN HANDSOME UPRIGHT CABINET
$19^{95}$
with Batteries, Earphone, and Carrying Strap

- Slide Lever Volume Control
- Built-In AFC - Slide Rule Tuning

Dramatic new styling in an AM/FM portable radio. Dependable Instanton solid-state circuitry. Operates on standard AC house current ( 117 VAC , 60 Hz ) or with $4^{\prime \prime} \mathrm{C}^{\prime \prime}$ cell batteries. Built-in FM telescopic and AM feprite core antennas. Handsome black padded simulated leather case. $31 / 2^{*}$ dynamic speaker provides full frequency sound. Sliderule tuning. Size: $51 / 4 \times 9 \times 23 \mathrm{M}$ ", Imported. Shpr. wt., 4 lbs. 17 P 02554 L

Net 19.95



Deluxe LAFAYETTE Battery/Electric AM/FM Portable Radio

## ONLY 95 with batteries and earphone

- Precision Slide Rule Tuning With Logging Scale
- Large $31 / 2^{\prime \prime}$ Speaker for Outstanding Tonal Quality
- Continuous Tone Control

This attractively styled $A M / F M$ portable provides top quality performance. Powerful solid-state circultry offers remarhably clear reception, even on distant stations. Operates on 4 " $C$ " batteries (included), or on 117 VAC with self-storing AC line cord. Automatic Frequency Control (AFC) on FM prevents station drift. Telescopic swivel rod antenna for $\mp M$ plus bulitin $A M$ antenna. Simulated black padded cabinet with silver trim. Size: $61 / a \times 101 / a x$ $31 / /^{\prime \prime}$. Imported. Shpg. wt., 5 lbs. 17 P02349L

Net 24.95
Extra "C" Batteries (4 req.) 99 P 62572

## NEW! LAFAYETTE 4-Band AM/FM SW/ Marine Battery/AC Portable Radio


with Earphone, Batteries, and Shortwave Listening Guide

TUNES

| FM Broadcast $88-108 \mathrm{MHz}$ | Shortwave $3.8-12 \mathrm{MHz}$ |
| :---: | :---: |
| AM Broadcast 540.1600 kHz | Marine $1.6-4.5 \mathrm{MHz}$ |

- Listen to Worldwide Shortwave Broadcasts
- AFC on FM to Prevent Drift - Vertical Slide Rule Tuning

Outstanding performing, low cost multiband radio that is in. formative as well as entertaining. Brings you news as it happens from all over the world on the International Shoptwave Band. Tunes the standard AM \& FM broadeast bands. Covers the Marine Band. Operates on 4 "C" batteries or 117 VAC, 60 Hz house current. $31 / 2^{\prime \prime}$ dynamic speaker. AFC on FM to prevent station drift. Built-in AM ferrite core antenna, telescopic FM, SW, and Marine Band antenna. Instant-on solld-state circuitry. Black simulated leather case. Size: $6 \times 91 / a \times 31 / 2^{\prime \prime}$. Imported.Shpg. wt., 6 lbs.
17 P 02547 L .........................................................Net 29.95 99 P 62572 Extra "C" Batteries (4 req.) . Net ea. . 17


# LaFAVEETE's Best Selling Multiband 

HIGH BAND POLICE AND FIRE 147-174 MHz FM/VHF


The "Air Master 400" is a professlonally designed portable radio that tunes Standard AM Broadcasts, Standard FM Broadcasts, FM.VHF High Band Police Calls, AM-VHF Aircraft Band (monitor planes in flight awaiting instructions from the control tower), and U.S. Weather Bus reau Forecasts. Individually tuned front end circuits for each band provides higher sensitivity ssuring sharp response with exceptional stability. Variable Squelch control while tuning Police and Aircraft Bands also serves as interstation muting on FM Broadcast Band.

With Batteries and Earphone

AIRCRAFT BAND 108-136 MHz AM/VHF

AM BRDADCAST
$540-1600 \mathrm{kHz}$

## FM BRDADCAST

## 88-108 MHz

- Operates on 4 "D" Batteries or 117 VAC
- Variable Squelch Control for Tuning FM, AIR and Police Bands
- Large 4" Speaker for Magnificent Tonal Quality
- Precision Slide Rule Tuning Dial - Record Output Jack
- Tunes U.S. Weather Broadcasts on $162.55 \mathrm{MHz}^{2}$

Self.Storing AC line cord for 117 VaC house current. Also operates on 4 "D" cell batteries. Telescoping antenna for FM, Police and Aircraft; built-in loopstick antenna for AM. 17 transisfors, 11 diodes; 2 ther. mistors. Jack for Ext. Ant., Phone; Record output. Padded black vinyl case with handie. Size: $111 / 4 \times 71 / 4 \times 31 / 2^{\prime \prime}$. Imported. Shpg. wt $61 / 4 \mathrm{lbs}$. 39 P 35578 W No Money Down ${ }^{\text {. }}$ $\qquad$
99 P 62564 Extra " 0 " bat., 4 req. Shpg. wt., 5 02. .. Net ea. . 19
"GUARDIAN 300" 3 -Band Battery/Electric Solid-State FM-VHF/FM/AM Police Radios

| HIGH BAND | 0 | 95with <br> batteries <br> and <br> earphones |
| :--- | :---: | :---: |
| FM-VHF $-147-174 \mathrm{MHz}$ <br> AM <br> FM |  |  |

HIGH BANO FM-VHF POLICE ANO AM/FM RADIO. LIsten to Police and fire calls ANWHERE-ANYPLACE. Deluxe 3 -band radio operates on 4 " $C$ " batteries or 117 VAC 60 Hz by means of a self-storing $A C$ line cord. Powerful space age solid-state clicuitry with 12 transis. tors, 6 diodes, and 2 thermistors, Variable 6 -gang capacitor tuning for extremely high sensitivity and selectivity enables you to pull in even the weakest stations. Complete coverage includes high band FM.VHF 147-174 MHz including 162.55 U.S. Weather Bureau Forecasts and standard AM and FM broadcast bands. Slide rule dial for precise tuning, ferrite rod antenna for AM, telescoping antenna for FM-VHF and FM bands, and an external antenna input jack. Padded black leatherette case with sllver trim. Includes batteries, earphone and
 Shpg. wh, $31 / 4 \mathrm{lbs}$.
99 P 35461L No Money Down* $\qquad$ Net 32.95

LOW BANO FM-NHF POLICE ANO AM/FM RADIO. Same deluxe features and specifications as above but tunes low band FM-VHF $30 \cdot 50$ MHz instead of High Band. Imported. Shpg. wt., $34 / 4 \mathrm{lbs}$.
99 P 35479 L No Money Down"...............................Net 32.95

| LOW BAND | -95 $\begin{gathered}\text { with } \\ \text { batteries } \\ \text { and } \\ \text { earphones }\end{gathered}$ |
| :---: | :---: |
| FM-VHF- $\mathbf{3 0 . 5 0} \mathrm{MHz}$ |  |
| AM $\quad-540.1600 \mathrm{kHz}$ |  |
| FM -88.108 M Hz |  |



$16^{88}$
With Batteries and Earphone

| TUNES |  |
| :---: | :---: |
| FM-VHF <br> 30.50 MHz | $540-1600 \mathrm{kHz}$ |

Listen to the drama of everyday life with this exciting radio. Monitor local and state police, as well as fire departments, civil defense, and emergency public services. Includes standard AM broadcast band. Features: 2 RF stages. 4 IF stages, stide-rule logging scale for precise tuning. ferrite rod AM antenna, telescoping VHF antenna, large $3^{\sim}$ speaker. Black case with silver trim. Operates on 4 "AA" type bat. teries (included) or 117 VAC with optional AC adapter. 11 transistors, 4 diodes, 1 thermistor. $7 W \times 41 / 4 \mathrm{Hx} 29 / 6{ }^{6-0}$. Imported. Shipg wl ., $21 / 4 \mathrm{lbs}$. 99 P 35347 L Low Band ( $30-50 \mathrm{MHz}$ plus AM) ........Net 16.8B


# Police and Aircraft Portable Radios 

## LAFAYETTE "GUARDIAN 5000" 5-Band Solid-State Battery/Electric AM/FM/SW/FM.VHF Public Service Radio

## FOR POLICE AND FIRE <br> LOW BAMD FM-VHF $30-50$ MHz

FOR POLICE, FIRE, AND WEATHER HIGH BAND FM-VHF 147-174 MHz

## INTERNATIONAL SHORTWAVE BROADCASTS 4.12 MHz

## WDRLD FAMOUS SYMPHONIC ORCHESTRAS FM BRDADCAST 88.108 MHz

## FOR SPORTS AND NEWS AM BRDADCAST 540.1600 kHz

- Two Separate Front-End RF Tuning Sectlons For Both High And Low Police FM-VHF Bands
- Variable Squelch Control While Tuning FM.VHF Bands-Also Serves as Interstation Muting On Standard FM Band

Monitor the alrwaves of the world! Listen to Police, Fire, Civil Defense, 2-way Business, and U.S. Weather forecast, (162.55 MHz) on BOTH THE HIGH ( $147-174 \mathrm{MHz}$ ) and LOW ( $30-50 \mathrm{MHz}$ ) FM-VHF band. Tune the 4-12 MHz International Shortwave Bands. Enjoy outstanding music on the standard FM band (88-108 MHzi. as well as news, weather and sports on the standard AM band ( 540.1600 KHz ). Advanced space age solld-state clrcuitry permits instant operation-no loss of precious time due to warmup-permils immediate response to emergency situations. Two separate 4 gang tuning capacitor front ends for both high and low FM.VHF Police bands for greater sensitivity and more dependable selectlvity-weak stations can be heard clearly -while outside noise and interference are drastically reduced. Operates on 4 " $C^{\prime}$ " batteries or 117 VAC household current with AC adapter (included). Excellent quality of tone from large 3y/" speaker makes this a true hi-fidelity portable radio. Telescoping antenna for FM, FM-VHF, and SW bands. Built-In ferrite core antenna for AM band. Accessory jach for use of separate external antenna. Slide rule logring scale for precise tuning. AFC circuitry prevents drift on FM. Beautiful walnut wood grain molded case with metal grill. fold trim, and handle. Includes 4 "C" batteries, earphone, and AC adapter. Dim.: $83 / 4 \mathrm{H} \times 6 \mathrm{~W} \times 23 / 4{ }^{\circ} \mathrm{D}$. (Metal handle $3 y_{2}^{\prime \prime}$.) Imported. 99 P 35438 L NoMoney Down ${ }^{\circ}$ Shpg. wt.. $44 / 2 \mathrm{lbs} . . . . . . .$. Net 59.95 Extra "C" Batteries (4 req.)
99 P 62572
Net ea. . 17


## $59^{95}$

With Batteries, Earphone and AC Adapter



- Individually Tuned Circuits
- Instant-on Solid-State Circuitry


## TUNES 6 BANDS



Optional Mounting Bracket for Marine use so that Radio can be secured. only 3.95

1 LW: 180-380 kHz Beacon Band
2 AM: $540-1600 \mathrm{kHz}$ Standard Broadcast
3 MB: 1.6-4.0 MHz Marine Band 4 FM: 88-108 MHz Standard Broadcast

Protessionally designed 6 -band portable radio with individually tuned circults to provide extra sharp reception on each band. Tunes Long Wave Beacon Band, Standard AM 8 FM broadcast Bands, Marine Band, Aircraft Communications Band, and FM-VHF Police and Public Service High Band including the 162.55 mHz U.S. Weather Bureau Forecasts. Can be operated on $4{ }^{\text {" }}$ " ${ }^{\text {b batteries for portable use, or }}$ from 117 volt. 60 Hz AC with bullt-in AC line cord for home use, In addltion the Guardian " 6000 " alse has Radio Direction Findin. Facilities. This will permit the boat owner to obtain bearings from marine beacon stations on the Long Wave Beacon Band, from broadcast stations on the AM Band, and small craft stations on the Marine Band. Also includes a calibrated optical sighting arrangement for visual bearings. Other features include a combined Tuning Meter/ Battery Condition Indicator; adiustable telescoping whip antenna

5 AIR: 108-136 MHz AM/VHF Aircraft 6 POLICE: 147.174 MHz/VHF High Band Public Service and U.S. Weather Bureau Forecasts \& New VHF/FM Marine Band
(plus an external antenna jack) for reception on FM, AM/VHF (Air) and FM/NHF Police Band; adjustable squelch control to eliminate background noise on the FM, Air, and Police Bands; output jacks for use with headphone or external speaker: and Automatic Galn Control to vary the sensitivity of the radio and funing meter for direction finding purposes. Side Rule dial has logging scale for precise tuning and a push-button dial light. Large $4^{\prime \prime}$ Speaker for exceptionai tonat quality. Steel handle for ease of portability. 18 Transistors 14 Diodes, and 2 Thermistors, Size: $111 / 2 \mathrm{~W} \times 9 \mathrm{H} \times 3^{\prime \prime 0}$. Imported. 99 P 35065 Shpg. wt., $61 / 2$ Ibs. No Money Down* Net 84.95 MOUNTING BRACKET FOR FIXED MARINE USE.
17 P 64000 Imported. Wt. 6 oz.

...Net 3.95
Net ea
.17

- See Page 23 for Full Details on Easu Pay Plan


# Exclusive from LaFAYETIE Deluxe "GUARDIAN 7000" Multiband Portable Radio <br>  

 with
## - FM/UHF Ulitra-High $450-470 \mathrm{MHz}$

## - FM/VHF High 147-174 MHz

- FM/VHF Low $30-50 \mathrm{MHz}$



# $94^{95}$ 

## COVERS ALL 3 PUBLIC SERVICE BANDS

Monitor. Police - Fire - Civil Defense - Highway
Maintenance - U.S. Weather Bureau - Forestry - Conservation - Railroad

ALSO TUNES
International Shortwave: $4-12 \mathrm{MHz}$

## OUTSTANDING FEATURES

- Squeich Control
- Signal Strength Tuning and Battery Condition Meter
- Individual Tuned Circuits
- Instant-on Solid.State Circuitry
- Battery or AC Operation
- 2 Telescoping Antennas Standard AM: 54-1600 kHz Standard FM: 88-108 MHz



## NEW LAFAYETIE SR-10 Solid-State AM/FM Stereo Modular Receiver System

Beautifully designed and styled modular system features a quality AM/FM Stereo Radio in a handsome walnut wood cabinet and two matching $5^{\prime \prime}$ wide-range compliance speaker systems. Advanced solidstate circuitry provides high quality performance. Precision blackout and illuminated slide rule tuning dial. A special FM Stereo sensing circuit in the radio provides automatic switching to mono or stereo reception, depending on the broadcast. An FM Stereo Indicator Light will illuminate when an FM stereo station is being received.

Buill-in AFC (Automatic Frequency Controll to prevent FM station drift. Individual slide-lever controls for Bass, Treble and Balance. Provisions on the rear panel for connecting a record changer or tape player Tape Output jacks are also provided for connecting a tape recorder. Each speaker system is equipped with an 8 ft . audio cable and connector. Size of AM, FM Radio: $133 / 4$ $W \times 9140 \mathrm{D} \times 43 \mathrm{4}$ "H. Size of each Speaker System: $9^{3,4} \mathrm{H} \times 756 \mathrm{~W} \times$ 41/4"D. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg. wt., $17 / 1 / 2 \mathrm{lbs}$.
99 P 02883W
Net 59.95

## LAFAYETTE MC-22 4.SPEED AUTDMATIC RECORD CHANGER ENSEMBLE <br>  <br> $34^{95}$

Ideal stereo record changer for use with the SR.10. Comes pre-mounted on a simulated biack leather base with walnut vinyl trim, heavy-gauge tinted plastic dust cover, and diamond needle cartridge. (See Page 85 for complete description of MC-22). Shpg. wt.. 10 ibs.
21 P01772W No Money Down* Net'34.95


NEW! Deluxe LAFAYETTE 3-Band Solid-State AM/FM/Weather Table Radio

A deluxe $A M / F M$ table radio that also tunes the U.S. Weather Bureau Radio Network System on the FM/NHF Band (162-164 MMz) at the touch of a button. Recelve the latest official U.S. Weather Bureau forecasts and weather observations for your area. Check your local Weather Bureau for exact operating fre. quency. All solid-state circuit employs 11 transistors, 13 diodes, tuned RF FM amplifier and 3 IF stages. AFC for driftfree FM reception. IC audio section and a blg $5^{\circ}$ speaker provide full, rich tone. Cabinet is crafted of beautiful $36^{*}$ wal-
nut wood. Illuminated vertical slide rule AM/FM tuning dial, and a pushbutton for Instant Weather Bureau reception. Rear panel has terminals for external FM antenna, external speaker, tape recorder output jack, and fine tuning control for precise tuning of the Weather Bureau AM and FM antennas. With whip antenna for Weather Band. Size: $15 \mathrm{~W} x$ 8H $x$ $51 / 2^{* D}$. For 117 VAC, 60 Hz . Shpg. wt., 103/4 lbs. No Money Down ${ }^{\text {* }}$ 99 P 35651 W $\qquad$ Net 44.95

- Tuned RF FM and 3 IF Stages
- Tape Recorder Output Jack
- External Speaker Jack
- Telescopic FM. VHF Antenna
- AFC For Drift-Free Reception



# KLH • PANASONIC • JVC Solid-State Table Radios 



PANASONIC RE6137D FM-AM Table Radio

## $29^{88}$

- AFC For Drift-Free FM Performance
- 4" Full Range Speaker

Beautiful, gracefully designed FM/AM Table Radio features rich tonal quality from its large $4^{\prime \prime}$ full range dynamic speaker. Its smart, functional low proflie styling will be a pleasing addition to the decor of any home or apartment. Dependable and reliable solid-state semiconductor circuitry. Precision sliderule tuning. AFC for difft-free performance on FM. Built-in AM and FM antennas. Handsome high Impact antique white plastic cabinet with blach trim. Size: $12 \times 5 \% / \approx 4 \% / \mathrm{s}^{\prime \prime}$. Imported. For $110-120$ VAC 60 Hz. Shpg. wt., 5 lbs.
17 P 31074
Net 29.88


Fine quality table radio for mitchen, bedroom, or den, Compact cabInet design, Sensitive FM/AM reception. Bultt-in FM and AM antennas. $3^{* \prime}$ dynamic speaker. Large circular easy-to-read tuning dial. Pushbutton band selector and off/On power controls. Solid-state engineered for years of listening pleasure. Size: $53 / 4 \mathrm{H} \times 9 \mathrm{~W} \times 3 \mathrm{~K}_{0} \mathrm{D}$. For 117 VAC, 60 Hz . Imported. Shipg, wt., $21 / 2 \mathrm{lbs}$.

Net 24.88


- Large 3" Dynamic Speaker
- Direct Dial Tuning

Everyone can use a smartly styled, low priced AM Table Radio. Percect for the kitchen, basement, or chlidren's room. Solid-state circuitry provides instant-on play. Superheterodyne circult for extremely high sensitivity. Big $3^{\prime \prime}$ speaker for fine tonal quality.日uilt-in ferrite bar antenna. ivory plastic cabinet. Size: 41/2" ${ }^{10}$
 17 P69447

Net 8.95
${ }^{\circ}$ See Page 23 for Full Details on Easy Pay Plan

## Wake Up



# LAFAYETTE Low Profile AM/FM Clock Radio with Tone Control ONLY $32^{95}$ <br> With Earphone for Private Listening 

This fine performing radio has lighted clock face and tuning dial. The large $31 /{ }^{*}{ }^{*}$ wide range speaker provides magnificent tone. AFC on FM prevents station drift. Advanced Solid-State circuitry. Continuous tone control. Built-in AM and FM an tenna. Earphone for private listening. Walnut veneer cabinet measures $91 / 2 \times 5 \times 3^{\circ}$ Imported. For 117 VAC 60 Hz . Shpg. wt, $41 / 2 \mathrm{lbs}$.

Net 32.95

- Handsome Walnut Wood Cabinet
- Instant-On Solid-State Circuitry
- Full Feature Telechron Clock with Alarm, 2 Hour Sleep Switch, And 10 Minute Snooze Button


## PANASONIC RC-6551 Digi-Dater FM/AM Digital Clock Radio

BUILT-IN DAY AND DATE CALENDAR

With Earphone

24-hour full feature digital clock. 60 -minute sleep timer with automatic shut-off. Music or gentle alarm wake-up. Auto/alarm indicator light. Extra-wink "nad-bar." Solid-state integrated circuitry. Builf-in FM and AM an tennas. AFC on FM. Illuminated radio and clock dials. $4^{4}$ dynamic speaker. Earphone/ pillow speaker jack. For 117 VAC, 60 Hz size: 51/2Hx14K,Wx61/2"O. Shpg. wt., 8 lbs. Imported.
17 P 31108 No Money Down* Net 64.95

NEW! Panasonic RC-1122 SOLIO-STATE AM OIGITAL CLOCK RADIO


- Pushbutton Controls For Easy Operation

Beautifully scuiptured black and white digital clock radio with $24-$ hour timer. Once-only awake set. Music or buzzer alarm wake up. Pushbutton operation and Ilghted digital timer. Uniquely arched sliderule tuning dial. Sensitive AM reception with built-in ferrite core antenna. $21 / 2^{*}$ dynamic speaker. All solid-state circultry. Size: $3 \% \mathrm{Hx}$ $91 / 2 \mathrm{~W} \times 5 \mathrm{Y} / \mathrm{m}^{4} \mathrm{0}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Imported. Shpg. wt., 3 ibs.
17 P 31256

Wake up to beautiful music or news at a pre-set time. Compact. low profile decorator design. Ideal for bedside, table, bookshelf, or desk. The full size clock makes for easy, accurate time telling. Only $41 / 4 \times 83 / 4 \times 3^{\prime \prime}$. Attractive walnut-grained plastic cabinet. You wili enjoy sensitive AM reception on all your favorite stations. Features powerful $3^{\text {" }}$ speaker for fine tonal quality. Automatic gain control circuitry, and bullt-in AM antenna. Solid-state circuitry for instant-on play. No warm-up. For 110 VAC 60 Hz Imported. Shpr. wt., $23 / 4 \mathrm{lbs}$. circuitry, and built-in AM antenna. Solid-state circuitry for instant-on 17 P 69454

Net 15.95

# NFWLLAFAYETTE Solid-State AM/FM Digital Clock Radio 

# Featuring Built-In Tuneable 162-164 MHz FM/VHF Weather Radio Network Band 

- 90 Minute Sleep Timer with Automatic Shut Off
- 24 Hour AM-PM Timer
- Lighted Digital Clock
- llluminated Slide Rule AM/FM Tuning Dial
- Wide Range $31 / 2^{*}$ Speaker for Fine Tonal Quality
- Telescopic Antenna for Weather Reception

A fine performing solid-state digital clock radio that tunes the standard AM and FM bands, and also receives U.S. Weather Bureau National Weather Forecasts and weather observations on 162.40 and 162.55 MHz FMNNF Band 24 hours a day. (Consult your local weather bureau for exact operating frequency in your area). Separate 24 hour timer for waking you up to music at a preset time. A 90 minute sleep timer will
automatically shut the radio off. Built.in AFC for drift-free reception. Built-in AM and FM antennas. In handsome walnut vinyl wood cabinet with midnight black and silver front panel. Supplied with earphone for private listening. Size $12 \%$ " ${ }^{\prime \prime} \mathrm{W} \times 4 \frac{1}{4} \mathrm{~m} \mathrm{H}$ $x \quad 612$ "D. For 120 VAC, 60 Hz . imported. Shpg. wt., 7 lbs .
No Money Down*
99 P 35388 W
Net 39.95

## Deluxe LAFAYETIE Solid-State AM/FM Digital Clock Radio

## Features Deluxe General Time Clock and Rosewood Swivel Pedestal Base

- Full Feature Backlighted Digital Movement
- Wake up to Music, or Music Followed by an Alarm 15 Minutes Later
- 60 Minute Sleep Switch
- 15 Minute Snooze Button
- 2 Speakers $-4^{\prime \prime}$ Woofer and $2^{\prime \prime}$ Tweeter delivers Rich Hi-Fi Sound
- Precision Engineered Sliding Volume and Tone Controls
- Blackout Slide-Rule Dial lights up when Radio is On

The most beautiful, and the best performing AM/FM clock radio Lafayette has ever offered. Handsomely styled on a Rosewood pedestal swivel base with Rosewood side panels. Features the deluxe General Time clock with backlighted digital movement that provides large easy-to-see numerals, A blackout slide-rule dial lights up when the radio is on. Separate precision sliding controls for Tone and Volume. Front panel clock lever control for on, off, auto, and alarm. Convenient "sleep" slide lever control can be set to automatically shut the radio off (up to 60 minutes) when you go to sleep.

Wake up at a preset time to music, or music followed by an alarm 15 minutes later. by depressing the snooze button, the radio turns off, and you can have an extra 15 minutes of' sleep. Switchable AFC lock prevents drift on FM. Magnificent hi-fi sound is provided by a 2 speaker 2 way system consisting of a $4^{\prime \prime}$ woofer and $2^{\prime \prime}$ tweeter with crossover network. Buitt-in $A M$ and $F M$ AC line cord antenna. size: $12^{\circ}$ $\times 5^{\prime \prime} \times 31 / 2^{\prime \prime}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., 6 lbs. imported.
No Money Down *
17 P 01911w
Net 49.95

Low cost quality AM/FM digital clock radio. Solld-state engineering for accurate and dependable performance. 2 -hour Sleep Timer with automatic shut-off. Preset 24 -hour AM or PM music wake-up system. Soft-glow illuminated clock face. Built-in AM and FM
antennas. Pushbutton control for manual or automatic operation. Easy-to-view cylindrical AM/FM tuning dial. AFC for driftless FM reception. Size: $31 / 2^{\prime \prime} \mathrm{H} \times 1414^{\prime \prime} W \times 5^{\prime \prime} \mathrm{D}$. For 117 VAC, 60 Hz . Imported. Shpg. wt. 5 lbs. 17 P 02539W

## IN HANDSOME WALNUT GRAIN CABINET



## LAFAYETTE SOLID-STATE AM/FM

## DIGITAL CLOCK RADIO with SLIDE CONTROLS

This superb performing solid-state AM/FM clock radio features the deluke General Time back-lighted digital movement -a llght shines thru the clock numbers making it easy to read the time in the darkest room. Unique. simple sliding lever clock controls are located on the front panel. So simple to set, even children and adults alike can operate this radio. Convenient sleep slide switch can be set to automatically shut the radio off (up to 60 minutes) when you go to sleep. Choose whatever you would like to wake up to at a pre-set time, music only or music followed by a solt alarm 15 minutes later. Catch an extra 15 minutes of sleep
by engaging the "snooze" leature after the alarm sounds. Large $34 / 2^{\prime \prime}$ speaker assures rich tull bodied sound. Built-in AFC keeps FM stations from fading in and out. FM antenna is built into the AC line cord for sensitive FM reception. The entire slide rule station panel lights up when listening, making It easy to tune even in a darkened room. Cabinet is of hi-impact polystyrene, blach with walnut side panels. Operates on 117 V $A C, 60 \mathrm{~Hz}$. Slize: $93 / 4{ }^{\prime W} \times 54 / 2^{\prime D} \times 31 / 2^{\prime H}$. Imported. Shps. wt., $33 / 4 \mathrm{lbs}$ No Money Down"
17 P $01150 W$
Net 34.95

- Large, Easy-To-Read Digital Clock Numerals
- Full Feature Back-Lighted Digital Movement
- Convenient Silde Lever Clock Controls Are Located On The Front Panel
- Wake Up To Music, Or Music Followed By An Alarm 15 Minutes Later
- 60 Minute Sleep Switch
- 15 Minute Snooze Button

- Easily Connects to Speaker Leads
(A) A sophisticated electronics system that provides true synchronization of color and sound. See every tone, each note, and every combina. tion of instruments create its own vivid color pattern. The system includes 4 color channels: red, blue, green and yellow that are everchang. ing, interweaving, and blending to produce fantastic spontaneous, frequency synchronized multi-color patterns to the music reproduced by your speakers. Connects in seconds to your
system or guitar amplifier without any loss in system or guitar amplifier without any loss in grated circultry. Handsome walnut viny! covered wood cabinet. Size: $30 \times 15 \times 11^{\prime \prime}$. For 117 VAC 60 Hz . Shp. wt. 23 lbs.
21 P 03000wx No Money Down*.. Net 59_95 Audio Lights $24^{95}$
(c) Color Lights priced to fit your budget. One piece 3 sided prismatic lens produces a panorama of colors that have a 3 dimensional effect. Solid state electronic control transposes music sound impulses into multicolor flashing light source. For 117 VAC 60 Hz . Size 18x11x $7^{\prime \prime}$. Wał. nut vinyl rrained wood cabinet. Shpg. wt., $81 / 2$ lbs. 13 P 75526W
(B) Top quality, 4 -color, solid-state sound activated color organ. You can actually see every note and tone converted to a brilliantly moving panorama of colored, dancing Images with each note and tone produced by the music. Flashing red, blue, green and yellow colors create an entertaining display or multi-color, 3-dimensional spontaneity which varies to the amplitude of the sound source. Hi/low inputs allows you to adjust for music power levels; exclusive $4-\mathrm{in}-1$ color control. Housed in walnut wood grained cabinet. For 110 VAC 60 Hz . Size: $24 \times 12 \times 10^{\prime \prime}$.
21 P 25904 w Shpg. wt., 15 lbs. Net 34.95 WIRELESS 4 CDLDR AUDIO LIGHTS. Same as above except with built-in microphone. No speaker leads to connect. Size: $24 \times 12 \pi 10^{-4}$
21 P 26084w Shpg. wt., 10 lbs. Net 39.95
(D) Handsome table-top color columns only ${ }^{21-\mathrm{Hx}}$ 7"D. Magnificent abstract color images in everchanging motion. These unique color cylinders,
make flashing patterns of colored lights pulsating to the rhythm of your music. Hooks up to the speaker leads of your Hi-Fi system, tape recorder, or suitar amplifiep. Cotumn is constructed of prismatic polystyrene plastic with "Brite" rhrome base. for $117 \mathrm{VAC}$. ShDg. wi., 7 lbs. 13 P 75534 W No Money Down- Net 44.95


A compact electronic strobe light unit in attractive wainul finished cabinet. Use for special combo groups, or discotheques. Adjustable speed control can be varied to the beat of music from 1 to 10 flashes per second. A 4 -inch chrome reflector, clear plastic lens cover and Xenon Tlash tube deliver a powerful light flash over $60^{\circ}$ arc. For 117 VAC 60 Hz . Size $51 / 2 \mathrm{Hx}$ 51/2Wras ${ }^{[4} \mathrm{D}$. Shpg. Wt., $21 / 2 \mathrm{lbs}$. 21 P 26092 Net 19.95

168 Lafayette Cat. No. 730


Transform a large room into a total light-sound environment! Translates musical patterns into dynamic patterns of throbbing, flashing lights precisely synchronized to the music. Provides 500 watts per
channel ( 1500 watts total). Audlo spectrum is divided Into 3 ranges, channel ( 1500 watts total). Audio spectrum is divided Into 3 ranges, low, medium and high. by 3 separate. transistorized frequency se-
lective amplifiers. Accepts nine 150 watt or eighteen 75 watt lights lective amplifiers. Accepts nine 150 watt or eighteen 75 watt lights
at once; on/off switch; 3 intensity adjustments; on/off pilot light and three channel indicator lights. For $110-120$ Vac, $15 \mathrm{mps} . \mathrm{max}$. 13 P 48002 Shpg. Wt., 3 lbs. No Money Down*... Net 39.95 - See Page 23 for Full Details on Easy Pay Plan


Environmental

Model 3450 4.Channel Color Organ with Active Filters
kit $79^{95}$ wired $109^{95}$

- Easily Connects to Speaker Leads
- Watch the Music You Love Spring to Life As a Vibrant Interplay of Colors
- Individual External Color-Crossover Controls for Precise Color Mixing

All-electronic solid-state color organ provides true frequency synchronization of sound with color. See every tone, every note, every combination of instruments create its own vivid pattern. Electronically converts music into colored light. The color (hue) is controlled by the pitch (frequency) of the music, and the brightness by the loudness of each frequency band. 4 color frequenciesred. blue, green, and yellow with positive switching of colors. Attractive walnut grain cabinet with shatterproof plasilc front.
Comes in kth or factory wired. Size: $30 \times 15 x$ $11^{\circ} \mathrm{D}$. Shipg. wt. $311 / 2$ lbs. For 117 VAC., 60 Hz .
Model 3450 XIT
21 P 25888 WX
Model 3450 Wired
21 P 25896wX

Model 3430 3-Channel Color Organ

- Individual External Color-

Crossover Controls for Precise Color Mixing

Music transformed Into color electronically. True frequency synchronization-color that pulses and beats, ebbs and swells, respondIng to every note of the sounds. Easily connects to speaker leads. The color (hue) is
controlled by the pitch (frequency) of the music, and the brightness by the loudness of each frequency band. Attractive walnut grain cabinet with shatterproof plastic front. Comes in kit or factory wired. For 117 VAC, 60 Hz . Size: $24 \times 12 \times 7^{\prime \prime} \mathrm{D}$. Shpg. wt., 11 lbs .

Model 3465 3-Channel Sound Lite Translator Kit $49^{95} \begin{gathered}\text { Wired } \\ \text { No Money } \\ \text { Nown }\end{gathered} 9^{95}$ Down*

- Transforms Sound Waves to Light Waves
- Solid-State Active Filter Design Varies intensity of light by means of a change in frequency (hleth, low, or mid-range) from the output of a sound source ( 3 separate 400 -watt light sources can be hooked up to the translator. Using an arrangement of color bulbs, you can project on a wall or screen a specfacular lishting effect in rhythm whit the music played. Vinyl-clad metal cabinet. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size $61 / 8 \times 94 / \mathrm{x}$ $51 / 4 "$ Shog. wt. $63 / 4 \mathrm{lbs}$.
21 P 25771 Model 3465 Kit Net 49.95
21 P 25789 Wired

Audio Activated Strobe Light
The music itseff continuously controls the flash rate. Just attach to the speaker leads of your sound system. Each music beat creates a dif-
ferent flash rate automatically. Features aluminum deflector and shield. Sensitivity control. Easily replace. able plug-in type Xenon bulb. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Sizez $64 \times 94 \times$ $51 / 4{ }^{m}$. Shpg. wt., $33 / 4$ tbs.
21 P 25813 Model 3475 Xil Net 30.05 Model 3475 Wired 21 P 25821

Net 59.05 Model 3470. "Adjustable Rate" Electronic strobe. Flash rate is adjusted by speed rate control. Same size as above. Shps. wh., 53 lbs.
21 P 25839 Model 3470 Kit Net 24.95 Model 3470 wired
21 P 25047 .Net 39.85

Model BLS-10 High Intensity Blacklite/Strobe


Instant-starting 18 inch fixture features a rugged high intensity 15-watt UV bulb in a polished chrome reflector-aimost equals 75 watts of ordinary light. Easily mounts over paintings in windows, elc., with multi-positional mounting "Key Hole" type slots. Throws its mystifying lllumination as far as 25 feet or more. Exclusive adity of reature of Solid-State "Strobe" (pulse) circuit for with the rhythm of your music for extraordinary effects. Jet Black cabinet. Sizei $41 / 2 \times 18 \times 4^{*}$. Shpg. wt., 9 lbs.
21 P 25458 BW Model BLS-10 Kit .................................. 24.95
21 P 25466 W Model BLS-10 wired No Money Down* Net 34.95

- See Page 23 for Full Details on Easy Pay Plan

Model 4600 "Light Sequencer"


Remember the "moving" lights on the theatre marquee? With the EICO 4600 you can produce, in any custom serial arrangement of any color lamps, a similiar sequence of "on-off" states that create the appearance of light "running around" in that configuration. The speed Control makes possible a wide batitude of sequencing or light "chasing." All solid-siate design. 3 lamp channels-up to $\$ 50$ watts maximum per channel. Maximum wattage per channel 150 watts. Size: $31 / 2 \times 6 \times 3^{\prime \prime}$.
21 P 25953 Model 4600 Kit wt.. $11 / 2$ lus. Net 19.95 21P 25961 Model 4600 Wired wt.. $11 / 2$ lbs. Net 29.95

Lafayette Cat. No. 730


## MAGNUS CHORD ORGAN ENSEMBLE

## - Complete With Bench and Illustrated Music Book

This beautiful organ is so easy to play, within minutes anyone can play their favorite songs! Features 37 treble keys and 12 chord butcons to provide a lull rich musical range. Organ is handsomely styled with walnut-wood grain end panels, aluminum accents, designer inspired stand, and smoked see-thru dust cover. Matching hassock bench has a comfortable deep foam cushion covered in color-coordinated vi nyl. Complete with Hlustrated hard-bound beginners music book, Size: $32 \mathrm{x}_{\mathrm{a}} \mathrm{H} \times 20 \mathrm{y} / 4 \mathrm{~W} \times 131 / 2^{20} \mathrm{O}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg, wt., 35 lbs
12 P 58086W No Money Down*
Net 39.95


## CONCERT SIZE CLASSIC GUITAR

Magnificent sounding classical gultar! Has 19 fret lingerboard for wide scaling. Sound hole features a beautifully engraved mosaic decoration. Attractive Spanish styled bridge is an authentic classical design. In addition, this concert size classical zuitar has 6 precision tuning machines with plastic roller, slotted headplece, and a steel reinforced neek. Bach and sides are finished in highly polished mahogany - toD is made of natural white spruce. $31 / 4^{\prime \prime} \mathrm{D}$. Nylon strings. Imported Shpg. wt., 8 lbs.

## 13 P 68137 wux

Net 29.95
Sturdy Case for Above Guitar
13 P 52913 w UX Shpg. wt. 4 lbs.....Net 9.95

JUMBO COUNTRY AND WESTERN
Rich deep bass and clear treble tones are built-in this jumbo size model. Made of carefully selected woods-resonant hand rubbed mapte back and sides, and close grained. antlque colored spruce top. Genuine "Nato" wood adjustable neck with celluloid bound rosewood fingerboard: Inlaid pearl position markers; 20 nickel silver frets. Rosewond adjustable bridge, black pickguard w th flowered design. Individual tuning pezs. $40^{13}$ al $\times 161 / 2 \mathrm{~W} \times 4 \mathrm{y} / \mathrm{a}^{\prime \prime} \mathrm{D}$. Steet strings. m ported. Shpg. wt., 10 lbs.
13 P 52814wux No Money Down* ..Net 6995 Case for above guitars. Shpg. wt., $94 / 4$ lbs 13 P 52830WUX

## GRANO CONCERT FOLK GUITAR

Folk guitar made of beautiful, carefully selected natural white spruce top, mahogany sides, and highly polished light mahogany color back. Features adjustable reinforced thin neck; all white cellulold-bound edges of neck, POp, and back of body; mosaic inlay around soundhole; moderate cellulold guardplate; rosewood pin bridge and solid oval rosewood fingerboard. 6 inlald square type larger position markers. Matching heads have white buttons. Size: $391 / 4 \mathrm{H} \times$ $147 / \mathrm{iW} \times 33 / 4 \mathrm{DD}$. Imported, Shpg. wt., 6 lbs. 13 P 24664 WUX No Money Down* ..Net 38.95 Case for above gultar. Shpg, wt., $71 / \mathrm{a}$ lbs. 13 P 24672 WuX

## 7 Piece 'Beginners Outfit'

Complete Outfit
Only


- Everythir g You Need Including Beginners Record Course and Book

Nicely finished with open headpiece and pinless bridge. Can be used either as nylon string classic or steel string Folk gultar Steel reintorced neck. Guitar has hardwood body with blonde top Mighly polished linish with design around sound hole. Comes complete with nylon and extra set of steel strings, Vinyl zlppesed carrying bag. neck cord, pick. Instruction book and record course. size: $361 / 4 L \times 13 w \times 31 / 2^{\prime \prime}$ D. Imported. Shpg. wt. 6 lbs.
13 P 52927 wux


## GUITARS

(A) SINGLE PICK.UP ELECTRIC GUITAR

- Adjustable Steel Reinforced Neck
- Individual Volume and Tone Controls

The perfect instrument for the budget-minded musiclan, be he beginner or advanced. Features cutaway solid.body construction for that true "twangy" electric Ruitar
sound Other features are a sensitive magnetic pickup
 with 6 marked postitions, adjustable bridee with beautil: ful white pick-guard, cord, and highly polished burgandy finish. Size: $381 / 2 \mathrm{H} \times 121 / 2 \mathrm{~W} \times 1 / 4 / 40$. Imported. Shpg.


Net 31.95 CARRYING CASE for above. Shpg. wt., 3 IDS
g9P91431WUX

Net 8.95
B DELUXE 4 PICK-UP ELECTRIC GUITAR

- With Tremolo Tailpiece
- Adjustable, Steel Reinforced Neck

Thin oody, double cutaway design features a fast, slim. ine neck.' An instrument with great flatr that can be played with pribe by all guitarists. Fe atures a stael re inforced adjustable neck with variable string gulides and an adjustable metal orideqe. Incluces tremolo with ad rosewood fingerboard and 20 new flat -type frets provid. ing laster ilingering. separate on/off switch and volume control for each pick-up plus a master tone control. Richly designed, ebony plck zuard with gold fioral inlay. 9 mother.o.-pearl inlaid position matkers. Highly poi. ished green sunburst tinish. Imported. Size; $404 / 2 \mathrm{H} \times$

${ }^{13}$ P 24599wUX No Money Down* Net 54.95 Sturdy lined case for above. Shipg. w1., $43 / 4 \mathrm{lbs}$.
13 P 13261 WUX

## Net 9.95

C 2 PICK.UP CUTAWAY ELECTRIC GUITAR - With Tremolo Tailpiece

- Steel Reinforced Adjustable Neck
- Volume and Tone Controls

Electric solid body, double.cutaway gultar. Steel rein. forced neck features fast fingering over rosewood fingerboard. 23 frets with 9 white intald position markers. Adjustable steel bridge guldes strings over dual plckups, each with Individual on/off switch and volume control; master tone control provided. Compression tremolo, mounted to slimiline body, has large flat bar for conveni. ent use., Black pickguard is beautifully inlaid with gold foral patterns, Lacquered, highly pollshed. Dody is fin$131 / 2 W^{\prime} 2^{\prime \prime} \mathrm{D}$. Imported. Shpg. Wt., $81 / 2 \mathrm{lbs}$.
13 P 24656 WUX No Money Down
Net 44.95 Sturdy Lined Case for Above. 13 P13261WUX Shpg. wt., 43/4 los.

Net 9.95


## AUOOMAIC RHYTHMER <br> - 12 Exciting Rhythms <br> - Ideal For Use With Most Organs <br> - Built-in Music Rack <br> Solid-state portable rhythmer. Ideal for teachers to produce a wide variety of rhythms and a steady beat for the sfudents to follow. For students - a complete rhythm section to play along with. For single performers-bring along your own riythm sectlon! Works with any ampllfier to produce 12 distinctive rhythm selections plus an infinte varety of accempaniments by mixing two or more fhythms. Variable tempo control can be set for wo or more thythms. Variable tempo control Samba, Mambo, FI Slow Roch, Fast Rock, Swing, Bossa Nova, Cha-Cha, Tango, or a March. Each rhythm is made up of a variety of percussion sounds: Bass Drum, Snare Drum, Nigh Hat, Cow Bell, Bass Conga, Tenor Conga, and Cymbal. Additional features include: Master Volume and On/OHf control, Tone control, On/Off rocker switch for instant control or rhythmer plus On/Off Remote Control Foot 5 witch, pilot light and 12 pushbutton rhythm selectors. Clicultry: 32 transistors, 95 iodes, $17 y / 4 \times 41 / x x 94 / 2^{\prime \prime} D$. Shpg. wt., 10 los. <br> Net 134.95



## "SUPER" UIC RHTHMER $174^{95}$ No Money

- Produces background rhythms electronically
- Nineteen Automatic Rhythms
- Fox Trot/Swing Section with 36 Variations
- For teachers, students, performers

Become a one-man combo with this fully transistorized in-strument-you'll never miss a beatl provides nineteen com outer programmed rhythms plus a special fox irot/Swing section with thirty-six variaitons. by mixing two or mor hythms, additional sounds can be added to create a myriad of accompaniments. The "Super" Automatic Rhythmer gures ou true.to-ilte Actual musical instrument sounds created include: Bass Drum, Large and Small Conga. Claves, Cowbell, Maracas, Snare Drum and Cymbal. Computer programmed hythms include. Rock 1.2 .34 ; Ballad; Western; Bossa Nova 1-2, Tango; Rhumba; Mambo; Cha-Cha; Samba; Begulne Meringue; Waliz/Viennese Walta; and thirty-six variations of Fox Trot/Swing. Controls: Tempo; Volume on/Of Switch; Pllot Light; Tone Downoeat star Swhiching bat imped $50 / 60 \mathrm{~Hz}$ size. $44 / 2 \mathrm{H} \times 94 / 2 \mathrm{~W} \times 14^{\prime \prime} \mathrm{L}$. Imported 13 P66509w Shos wt. $10 \frac{1}{4}$ lbs Net 174.95


## AUTOMATIC RHYTHMER

## No Money

 Down*A marvel of the micro transistor age. A compact electronic automatic rhythm er computer oesighed, lu produce o ooloction of in ayeltine rhythms, 5 dual selector switches render distinctive popular rhythms: waltz, mambo, Dossa nova, rock 1, rock 2, fox trot, cha-cha latin beat, polka, and ballad. Glves fantastic reproduction of actual rhythm instruments including brushes, claves conga drums, snare drum, bass drum, and maracas. The compact control panel contains separate tempo and volume controls, on/off switch down deat to be switch, pion from either the top of organ or under the keyboard. Brackets are operated from either the top of order keyboard mounting. Cabinet of walnut wood veneer. For 117 VAC $50 / 60 \mathrm{~Hz}$. Size: $3 \mathrm{H} \times 9 \mathrm{~W} \times 91 / 2^{\prime \prime} \mathrm{D}$. Shpg. wt., $63 / 4 \mathrm{lbs}$. 13 P66541w

## LAFAYETTE Deluxe Musical

## 150-Watt Solid State "Piggy Back" Amplifier with Reverb-Tremolo, 3-Speakers, 2-Channels

- For Guitar, Organ and Vocal Use
- Hammond Reverberation Unit - Variable Tremolo
- 2-12" Special Design Heavy Duty Speakers plus High-frequency Horn

Piggy back amplifier with 14 silicon transistors plus silicon rectifier and heavy-duty power and driver transiormers provides 150 -watts peak music power- ( 50 W . RMS © $5 \% \mathrm{HD}$ ). Closed back speaker designed to project low end response. Two $12^{\prime \prime}$ Heavy-Duty speakers plus a high trequency horn results in tremendous reproduction of brilliant highs. deep lows and solid midrange. Excellent for lead or thythm guitars. Two channels with high and low level inputs. Sep. arate volume and tone controls for each channel. Depth control for reverb. Intensity control for tremolo circuit. Footswitch jacks for re. verb and tremolo activation. Pilot light. fuse, and on off switch. Sturdy wood cabinets covered in black textured scuff-resistant vinyi with metal corner protectors and heavy duly handles. Amplifier size: $7 H \times 221 / 2 \mathrm{LL} \times 10^{1 / 4} " \mathrm{D}$. Speaker cabinet size: $27 \mathrm{H} \times 231 / 2 \times 111 / 2^{\prime \prime} \mathrm{D}$. For $117 \mathrm{VAC} 50 / 60 \mathrm{Mz}$.
13 P 01647 Wx Shpg. wt., 68 lbs
Net 233.00
Dual Foot Switch for Remote Control of Tremolo and Reverb
13 P 01506 Shpg. wt., 112 ibs. .....................................
Net 5.19 Dolly for above amplifier.
13 P 01498W Wt., 61/2 Ibs.
Net 11.95


75-Watt Solid-State "Reverb-Tremolo" Twin Speaker Amplifier

- 2-10" Heavy Duty Special Design Speakers
- Pulsating "Tremolo" For "Go.Go" Effect
- Hammond "Reverb" Unit for Echo-Llke Effect

Get faithful reproduction of every note. Excellent for guitar, organ and vocal use. Has special heavy.duty speakers. All Solid-siate 10 transistor circuitry provides excellent performance. 3 instrument inpuls for guitar, microphone, and organ. Powerful 75 watt peak music power amplifier-( 25 w . RMS @ $5 \% \cdot$ HD). Has a volume and 2 tone controls. Features remote control foot switch jacks for colorful tremolo and reverb operation plus 2 tremolo controis and 2 reverb controls; on/ otf switch; pilot light and carrying handle. Sturdy wood case covered in shimmering black vinyl. Size: $25 \mathrm{H} \times 187 / 4 \mathrm{~W} \times 8 \% 2^{\prime \prime} \mathrm{D}$ 1 mported. For 117 Volts, $50 / 60 \mathrm{~Hz}$. AC. Shpg. wt., 3812 lbs . 13 P 01696 W

Net 134.95
Dual foot Switch for Remote Control of Tremolo and Reverb 13 P 01506 Shpg. wt., $11 / 2 \mathrm{Jbs}$................................Ne
et 5.19

# 45-Watt Solid State "Reverb Tremolo" Amplifier 

- "Reverb" For Echo-like Effect
- Tremolo For Pulsating Sound
- $12^{\text {² }}$ Special Design Speaker
- 3-Instrument Inputs
- Easy Reach "Slanted" Front Panel

Features a built-in heavy duty $12^{\prime \prime}$ speaker for clean reproduction of every musical note. Excellent for guitar, microphone, and accordion use. Three instrument inputs. Five controls: two for volume and tone; two for speed and intensity of tremolo, and one for "reverb" depth control. Foot switch lacks for remote control of tremolo and reverb. 45 watl peak. music power- $\{15$ W. RMS @ $5 \%$ HD). AC amplifier chassis utilizes 5 dual tubes equivalent to an 8 rube circuit. plus solid state rectifiers for reliable operation. Also has pilot light. $\mathrm{cn} / \mathrm{ot}$ switch and fuse. Sturdy wood cabinet covered in black vinyl. Size: $22 \mathrm{H} \times 17 \mathrm{~W} \times 81 / 2 \times \mathrm{D}$. For $117 \mathrm{VAC} 50-60 \mathrm{~Hz}$. Imported.
13 P 01662 W Shpg. wt., $29 \mathrm{y} / 4 \mathrm{lbs}$.
Net 89.95
Dual Foot Switch for remote control of tremolo and reverb.
13 P 01506 Shpg. wt.. $11 / 2$ lbs.
Net 5.19
${ }^{\circ}$ See Page 23 for Full Details on Easy Pay Plan

## Instrument Amplifiers



Big Bass Sound

# 60-Watt Solid-State "Piggy Back" Bass Amplifier 

- Heavy Duty 15 - Special Design Speaker
- For Use With Electric Bass, Regular Guitar. Accordion and Combo-Organ
- 2-Instrument Inputs

Gives full bass and vibrant sound with a minimum of disfortion. Powerful 60 watt peak music power amplifier-( 20 W . RMS @ $5 \% \mathrm{HO}$ ) is ldeal for use with electric bass or standard guitars, and comno organs. All solid state circuitry ( 5 -transistors and 4 -silicon rectifiers) provides excellent sound. Features a specially designed $15^{\prime \prime}$ speaker with a wide range response. High and low gain inputs separate volume and tone controls allow complete operating flexiblity. Was On-OH switch plus pilot light and fuse. Two units; speaker and amplifier in matching black vinyl covered wood enclosures with handles. Size: Amp. $43 \mathrm{Hx} 14 \mathrm{Wx} 18^{\prime \prime} \mathrm{D}$; Speaker, $22 \% \mathrm{Hx} 18 \mathrm{Wx} 11^{\prime 2} \mathrm{O}$. For $117 \mathrm{~V} 50 / 60 \mathrm{~Hz}$ AC.
13 P01548wx Shpg. wt., 46 lbs.
Net 109.95

## 150 WATT <br> $234{ }^{95}$ <br> No Money Down ${ }^{\circ}$

## 150-Watt "Piggy Back" Bass Amplifier

- Two Powerful $12^{-1}$ Special Design Heavy-Duty

Sneakers With 20 Ounce Ainico Magnets

- Full Range Controls Allow Usage With Bass.

Accordion. Piano. Organ. Guitar, etc.
A newly designed super-bass energy powerhouse with two powertul 12" heavy-duty speakers and wide-range response. Utilizes a transistor driven, tube powered circuit to develop 150 -watts of peak music power - ( 50 W . RMS. © $5 \% \mathrm{HO}$.) Dffers a ereat amount of flexibllity providing controls tor Volume, Bass. Treble, Mi-boost. and Lo-boost as well as three inputs with individualiy adjustable input levels. Chassis design features include the use of 4 new type "FET" transls. tors in the preamp stage for higher gain and better pertormance. This is coupled to a tube type amplifier using msssive transformer stages and assures dependable high-powered perfarmance. Rugged acoustic wood speaker cabinet and "piggy back" amplifier (sits neatly on top of speaker cabinet) are covered with 3 hard wearing scuff-proof blach vinyl. Meavy black and silver acoustical cloth combine for a rough hard working solid bass ampllifer package. Speaker cabinet size: 30 H $\times 221 / 2 \mathrm{Wa} 131 \mathrm{~V}^{\prime \prime} \mathrm{D}_{\text {; }}$ Amplifier size: $9 \mathrm{Hx} 22 \mathrm{Wrg}{ }^{\circ} \mathrm{D}$. For $117 \mathrm{VAC}, 50-60 \mathrm{~Hz}$. 13 P 01746 Wx Shpg. wi.. $881 / 4 \mathrm{lbs}$.

Net 234.95
Dolly tor aoove amplifier.
13 P 01498W Wt., 6½ lbs.
Net 11.95

## 18 Watt Solid-State "Tremolo-Reverb" Amplifier

- "Reverb" For Echa-Like Effect
- Tremolo For Pulsating Sound
- Tremoto Speed/Reverb Depth Controls
- Heavy-Duly 8" Speaker

Impressive 18 -watt solld-state peak music power- -16 w . RMS @ $5 \% \mathrm{HD}$ ) revert and tremolo amplifier with selfcontained $8^{\prime \prime}$ heavy-duty speaker. Slanted, front-mounted control panel features "easy-to-reach" controls for Vol. ume, Tone, Reverb, Tremolo; 3 instrument inputs; revert and tremolo foot switch input jack; bright-glow pllot light. Housed in an attractive sturdy vinyl covered wood cabinet with carry handle and grill cloth. Size: $181 / 2 \mathrm{H} \times 13 \mathrm{~W}$ : $61 / 3^{\prime \prime D}$. For 11 N fo Hy ar Imported. Shpg. wi., 14 lbs. 13甲66616W ................................................................. 54.95
Dual Foot Switch for remote control of tremolo and revert Shpg. wt., $11 / 2 \mathrm{lbs}$.
13 P01506
Net 5.19

## 18 WATT $54^{95}$ <br> No Money Down

## Musical Instrument Amplifiers-Reverb Units



## 5 WATT SOLID-STATE STUDENT AMPLIFIER $24^{95}$

- Three Instrument Inputs
- Volume and Tone Controls

Great for the student or beginner! Features rugged, solid-state circuitry for cool, in. stantaneous ampllfication and trouble.free operation. Provides 5 -watts peak music power into a heavy-duty specially designed 6" speaker with excellent clarity and tonal response. Smartly styled control panel has on/off, volume control and Tone control; and three instrument inputs. Attractively de. signed sturdy wood construction coverid in water repellent, scuff-resistant black vinyl. With carrylng handle. Size: $16 \mathrm{H} \times 14 \mathrm{~W} \times 6^{\circ} \mathrm{D}$. For 117 V ., 60 Hz AC operation. Shpg. wt., 9 lbs.
13 P01704W
Net 24.95


## 'TREMOLO' AMPLIFIER $36^{95}$

- Tremolo Speed And Intensity Controls
- 3 Inputs -Foot Switch Jacks
functional, attractive all-transistor tremolo amplifier. Delivers 10 -watts peak music pow. er to a specially designed $8^{\circ}$ speaker for full instrument range. Front, mounted control panel has controls for Tone. Volume, Tiemolo speed. Tremolo intensity; three instrument inputs: tremolo foot switch input jack; and pilot light. Housed in a sturdy wood cabinet with let biack vinyl covering and harmionizing grill. Carrylng handle. Size: 19 Hx 16 Wx $8 / 1 / 2 \mathrm{D}$. For 117 V .60 Hz AC. Wt. $121 / 2$ Ibs. 13 P 01712 W No Money Down ${ }^{\circ}$...Net 36.95 Foot Switch for Remote Control of Tremolo. 13 P 01514 Shpg. wt., I2 lb...Net 2.99


10" Heavy Duty Speaker

- 3 Inputs-Volume/tone Controls

Excellent choice for the student. 12.watt peak music power output. Rugged depend. ability with $10^{\prime \prime}$ heavy duty bass speaker; front mounted volume and tone controls for easy access. Inputs for three instruments! Solid state circuitry for instantaneous re. sponse and trouble-free operation. Pilot light. Cabinet is sturdily constructed of wood with a scutf-resistant, black vinyl covering. Handsome matching grill. Carrying handle: rubber feet. Size: $1^{*}{ }^{*} \mathrm{Hx} 19^{\prime} \mathrm{W} \times 8^{\prime \prime} \mathrm{D}$. For 117 V . 60 Hz AC operation. Shpg. wt., 14 lbs .
13 P 24649 W No Money Down ${ }^{\circ}$.. Net 44.95

## LAFAYETTE SOLID-STATE "ECHO-VERB" REVERBERATION UNIT



- "Add-on" Reverb Unit for any Musical Instrument Amplifier or P.A. System
- Inputs for Mike and Instruments

Simulates the full sound top artists getl Compact, lightweight, transistorized reverberation unit creates a new dimension in audi. bility to overcome dull, flat ordinary sound. Can be used with any Instrument amplifier, or P.A. system. Minutes to connect, the "Echo-Verb" may be used for sound effects. Has inputs for mike and/or instrument-plus a foot switch input to cut reverberation in or out from a remote location, pilot light and a reverb mix control that lets you select whatever intensity of reverberation you deslire With reverb mix control in the "Off" position, standard sound will Hz AC size $33 / 4 \mathrm{H}$ ampllier. With on/off switch. For $117 \mathrm{v} . .50 / 60$
 99 P 92025 W

Net 23.25


## LAFAYETTE TWO-CHANNEL "ECHO-VERB 11" REVERBERATION UNIT



## - 4 Inputs Mix and Fade

- Master Reverb Intensity Control
- Separate Volume Controls For Each Channel
"Echo.Verb $1 I^{\text {"" }}$ offers full. dynamic reverberation, comparable to professional sound, in a lightweight, transistorized compact unit. Has two inputs for microphones and two Inputs for instruments, each with individual volume controls to permit mixing and fading. A separate, full-range Reverb Control adjusts from zero to maximum intensity, assuring you a desired level of reverberation. The "EchoVerb If" also features a pilot light and a foot switch jack which allows you to cut reverberation in or out from anywhere in your room, can be easily connected to an instrument amplifier, PA. amplifier, or Hi-Fi amplifier/recelver. Simulated black pebble.grain leather enclosure with leather strap. size: $33 / 4 \mathrm{H} \times 111 / 2 \mathrm{~W} \times 61 / 2^{\prime \prime} \mathrm{D}$. For 117 VAC 50.60 Hz . Imported. Shpg. Wt., $31,2 \mathrm{lbs}$.
99 P 921 16W ...................................................................... 33.25 Foot Switch for Remote Control of "Echo-Verb II". Shpg. wt. $1 / 2$ Ib.
13 P 01514
${ }^{\circ}$ See Page 23 for Full Details on Easy Pay Plan


# LaFAYETTE 120-WATT PORTABLE PA SYSTEM $359^{95}$ 

- Four Separate Channels-with-Volume, Bass, and Treble Controls
- Master Volume Control
- Four 10-inch Heavy Duty Speakers in Each Column
- FET SolidState Preamplifier with Vacuum Jube Power Amplifier for Greater Handling Power

This fine portable PA system answers the needs of those who require high power, versatility, and operational fiexibility. The highly developed amplifier comblines solid-state and vacuum lube circuits to produce a whopping 120 watts peah music power ( 50 watts RMS at $5 \%$ TMO). Four input channels, each with their own Volume, Bass and Treble controls, give you added convenience in mixing mikes, instruments, or other sound sources. The Master Volume Control enables complete control over all four channels with just one setting. The control center also has a neon pllot light, on oft switch and fuse A bridging jach is provided to permit connection of an external reverb echo chamber or graphic equalizer. The system comes complete with two rugged speaker columns containing a total of eight heavyduty $10^{\circ}$ speakers to handie all the power and sound you can muster. All cabinets are covered with tough scuff resistant heavy-duty vinyl, Speaker cabinet size: $48 \mathrm{~K} \times 13 \mathrm{~W} \times 11^{\circ} \mathrm{D}$. Amplifier size: $9 \mathrm{H} \times 22 \mathrm{~W} \times$ 9"D. For 117 VAC, 60 Hz . Imported. Shpe wi., 108 los. 13 P91283wxM No Money Down See Page 180 fer Craphic Equaller.

## Echo Chamber

An efficient echo chamber that leis you add a liftle extra "presence" to you group, or up to 6 echo repeats for the wildest echo eftect you've ever heard? No need to worry about tapes slippling or breaking, this unit runs on a replaceable endless-loop cartridge tape magazine. A full complement of controls enables you to create your desired thect Volume, Echo Balance, Echo Repeat Time and Intensity And effect: Volume, cho Balance, Echo Repeat ime and finensif. And there's an input for an external footswitch for instant on/of capability, Pre-amp frequency response $30-12,000 \mathrm{~Hz} \pm 3 \mathrm{db}$. Ingut im. pedances: Low ( 600 ohms), Wigh ( 47 h ohms). Output impedances: Low
 13 P66640w Shpg. wt. 7 lbs. No Money Down*.... Net 99.95 DEPLACEMENT CARFIOCE TAPE MACAZINE. ShDg. wt. 4 ot. 13 P66657W


## LAFAYETTE ENTERTAINER MICROPHONES \& STAND

## (A CARDIOID DYNAMIC MIKE

A superb dynamic microphone designed for appllcations where location of performer in relation to speakers causes feedbach and reverberation. Nighly directional cardioid pattern. Dual impedance: 50 K or 600 ohms, selectable by switch. Response: $100-10,000 \mathrm{Mz}$. Mylar diaphragm, On/off switch. Modern design, satin chrome finlshed die-cast case. For handheld of stand use. Size: $81 / 4 L x 12 / 20$ head. With swivel stand adapter and 20 ft . detachable cord with phone plug at other end. Imported. Shpg. wt., 174 lbs.

## 99 P 46294

$\qquad$ Net 14.75
(B) DELUXE BALL DYNAMIC MIKE Modern design features dual impedanceHigh 50K ohms, of low 250 ohms. Omni-direc. tional, $100 \cdot 10,000 \mathrm{Mz}$. Has on/off $s$ witch. Ball screen insures against "pop" and wind blast. Die-cast, finished in satin aluminum. Size: $61 / 4{ }^{=}$long, max. diam, of ball $2 \mathbf{2 0}^{\circ}$. Com plete with detachable 20 ft . cable and phone plus. Black metal desh stand and adanter for any $5 / 8^{=-27}$ floor stand. Imported.
99 P 46203 Shpg. wt., 3 lbs..........Net 18.95


## CATLAS MIKE FLOOR STAND

Model Ms-10C Mike stand featuring "Full-Grip" cluteh mechanism for last quiet adjustments. Functionally designed base assures mazi. mum stablilty plus 3 "antitip" polnts. Full chrome plated tube assembiy. Terminates in a $\mathbf{x}^{\prime \prime}-27$ inread. Ease dia, $10^{\circ}$. finished in gray shrivel, Meight adj., 35 to $63^{\prime \prime}$. Shpe. wf., $10 \%$ lbs. 4 •10031 $\mathbf{1}$......... Ret 8.91

## Musical Instrument Accessories



## $79^{95}$ <br> PRODUCE THE ROTATING SPEAKER EFFECT ANO VIBRATO WITH YOUR OWN AMPLIFIER - ELECTRONICALLY!

Finally an electronic instrument that can truly simulate the rotating speaker effect through any musical instrument amplifier! Not only produces the Fast or Slow rotating effect but, by the use of the remote speed control pedal, can vary the speed at any rate you desire. Enables the player to produce the various modern effects which are being used on the stage, in the studio, and with theater organs. Can be used with any of the following instruments: organ, bass gutiar, rhythm and lead guitar, electric piano, accordion, \& other electronic band instruments. Plus: Voice for vocal effects now being used by the top recording groups around the country. Easlly connects between instrument and amplifier. Foot pedal has cancel switch to instantly cancel effect being produced. Also features a rocker switch for selecting either the rotating speaker effect on a true vibrato effect. Other controls include 2 Volume, Chorus/Vibrato, Intensity, On/Off power switch, fuse, pilot IIght. inputs for 2 instruments, and an output for the amplifier. Unit is AC operated, fully transistor-
 placed in any conveniently reached location. Imported. Shpg. wt., $91 / 2$ lbs.

## 13 P 66400 No Money Down*

## GRAPHIC EQUALIZER AND REVERB UNIT



Every Group Needs An Audio Spectrum Equalizer-easily connects to any amplifier. Eliminate "hisses," dead spots, liat spots, and acoustic feed back howling from your amplifier. Add or eliminate bottom and highs to a voice or instrument. Can also be used to vary tonal quality of guitar and electric piano. Convert your guitar or Bass amplifier to an acceptable P.A. amplifier. 7 -individually calibrated slide controls for preciss frequency selection from 100 Hz ., to 7000 Hz . Features Hammond Reverberation unit with depth control which renders limbiless color to your sound. Has on-ff switch, volume and tone control, pilot Hight. Altractive simulated leather grained case with chrome trim. Vinyl cover included. Size: 19 " $\mathrm{W} x$ $73_{4}{ }^{4} \mathrm{H} \times 77 \mathrm{MN}$. For 117 volts $50 / 60 \mathrm{~Hz}$. AC. Imported. Wt., $194 / 2 \mathrm{ibs}$. 13 P 66533 W No Money Down*

Net 174.95

## WAH WAH SOUND and VOLUME CONTROL

- Produce A Wide Variety of Spacial Sound Effects - Use With Any Electric Guitar or Bass


Produce the Wah.Wah effect of a trumpet or trombone with your guitar or bass, electronically. Add extra instruments to your combo by creating the effect of synthesized tones Identical to those of a trombone or trumpet when muted by hand or derby. No reaching down for controls. Large, 8 L/2" footpedal gives you the full range of Wah-Wah sounds plus operates as a volume control by depressing a buift in switch under the heel of the lootpedat. Input jack contains a switth to turn the unit on or off. Operates on $3^{\text {" }} \mathrm{C}$ " cells. Fully transistorized, rugged construction. Imported. Size: $10 \times 34 / 4 \times 3^{\prime \prime}$.
13 P 66301 Shpg. wt., $34 / 4$ lbs.
Net 30.95
99 P 62572 Batfery for above. 3 reauired.
Netea.
.17

Net 79.95

## SUPER-DRIVE FOOT PEDAL CONTROL

Add more instruments to your small combo with the
"Fuzz" Sound! Create a wide variety of synthesized tones such as those produced by a baritone, or bass saxophone. Battery powered, it easily connects beiween your guitar, or bass and the ampllifier and is operated by an On/Off foot switch. Has two variable control knobs; one for regulating the "fuzz" effect and one for volume and intensity. A supplementary On/Off switch is combined with the volume control to conserve battery Hife. Fully transistorized, the unit is buift for heavy duty use and operates on a single penHght battery. A rugged metal case protects inside circuitry. Overall size. $51 / 2 \mathrm{~L} \times 31 / 2 \mathrm{~W} \times 21 \boldsymbol{y}^{\prime \prime}$ over. $H$. imported. Shpg. wt., $13 / 4 \mathrm{lbs}$.
99 P 91993
Net 12.95
99 P 62580 Battery for above
Net
10

## 3795

- Use on P.A.

Guitar, Bass, Organ,
Electric Piano, Etc.

- Built-In Volume Control Pedal
- 6-Step Calibrated Input Boost
- Volume "Leakage" Control
- Full Die-Cast Casing
- 100 Times Amplification Factor

Fully solid state Super Orive offers a new dimension in completely controlled sound. Set your amplifier for the tonal range desired and let Super Orive provide the volume you wish to play. This eliminates amplifier playing at full volume. Contains a calibrated attenuator which provides 6 ranges of boost, plus a bulit-in volume pedal which varies the boost selected. Super Drlve provides "clean distortion". rich harmonics and is capable of endless sustain. In addition, Super Drive aiso contains a volume "leakage" control which witl adjust the volume pedal to hold a desired leakige when the control is in the off position. Battery powered. Frequency Range: $20-30 \mathrm{kHz}$. Size: $113 / 4 \mathrm{Lx} 51 / 4 \mathrm{Wx} 31 / 2^{\prime \prime} \mathrm{H}$. Shpg. wt., $5 \%$ lbs.
13 P 65517 No Money Down*
Net 37.95
99 P 60212 9V Battery
Net ear. 31

## SUPER FUZZ

Today's "In-Sound" 2895

## - Super Fuzz Can

 Produce an Expanded Dimension in Sound
## - Full Control of Fuzz

 Sustain Effects
## - Heavy Metal Casting for Long Life and Appearance

Solid.state Super Fuza provides a complete range of controlled new sustained harmonic effects. Produces the wild new in-sound widely used by the top recording groups. Balance control enables perfect blend of furz and normal tones. Expander control provides unlimited ranze of sustained fuzz effects. Tone switch permits choice of conventionat tuzz or new harmonic sustained effects. Master foot control switches instantly to normal guitar operation. Rugged diecast metal construction. Size: $61 / 2 \times 3 \times 1 \%^{\circ}$. With cord and battery. Imported. Shpg. wt., 3 lbs.

## 13 P 66525

99 P 60212 Battery for Above

# Musical Instruments \& Accessories 



- Great For the Beginner

Tune your guitar visually! The easy-to-use vu.pitch tuner with 6 pre cision tuned reeds works on the principte of sympathetic vibration When the gultar string is exactly tuned, the vibration from the string will be transmitted to the associated reed and cause it to visibly vibrate thereby indicating proper pitch. Great for the beginner, the vu-pitch tuner, will tune your gulfar rapidly and precisely in a protessional manner. Shpa. wi. 601.

## 13 P 49507


(A)

(B)
(C)

Average Smpt. nt. $B$ or.
(A) suitar strings. Set of 6 , plated copper wire wound.

13 P 22536
(A) Wylon Classic Guitar Strings. Set of 6.

13 P 22544
(4) Plectric
13 P 22520
(A) Deture Net 2.35
(A) Defuxe flectric Guitar Strings. Gibson, flat wound Miffi strings High quality. Set of 6 .
13 P $52: 71$
Net 4.95
(A) Bass strings. Flat wound steel, wrapped in silly black nylon. Set of 4.
13 P 81524
Net 5.95
(8) Cuitw Pichs-Clat, 2 Thumb

13p 22569
(C) Adjustable Feam Padded Sulter Strap.

13 P 22502
Net . 59
Net 1.69
13 P 22510
(E) Metractatle suita Cords with Mues

13 P 5288910 Ft .
13 P 5289720 FL
P 52a97
(h) Dellio idjustal

13 Prass $225 e 5$
Net 3.15
(G) Delure ajpustable Embroidered Noetenanay Meet Strap, colorful fabric and leather, brass plated ouchle. 13 P 88016

Net 2.49

## 4 PIECE GUITAR ACCESSORY KIT

An ideal 4 piece set for the beginnerConsists of: 1 set of ( 6 ) Flatwound Guitar strings; guilar pitchpipe; adjustable foam padded cuitar nech strap and ह guitar picks- 6 flat and two thumb picks. 13 P 22577 Shpg. wi. I ib. Net 4.35
(D)

(E)

Net 5.25
Net s.as

(F)

# ELECTRO-HARMONIX LPB-I POWER BOOSTER 



795 - Derive the Full Power Potential of Your Amplifier

Manes your amp up to 10 times rouder! This solfd-state preamp plugs into the input jack of sour amplifier to boost. the output of any electric guitar, bass, organ, or mierophone. Increases gultar sustain as well as the performance of fuzz boxes, wah.wah pedals, and other accessories. Builf-in Volume Level control and "Bcost/Off" switch enable you to instantly change from regular instument output to pre-set boosted output. Completely compatible and modulaf-use 2 for even more power and sustain! with battery. Size: $3 \times 2 \times 14{ }^{\circ}{ }^{\circ}$ shpg. wt., 1 tb .
13 P 14749
Net 7.95
Extra 9 Volt Battery for Above.
99 P60212
Net . 31

## ELECTRO-HARMONIX PLUG-IN TREBLE \& BASS BOOSTERS

## As Low As <br> $149^{95}$

- Increases Performance of Electric Guitars and Basses


## "SCREAMING BIRD" TREBLE BOOSTER

A solid-state treble booster that plugs into your amplifier to give your guitar the screeching penetration of today's heavy scunds. With volume control "Boost/Otf" switch, and battery. size: 3 izal114". Shpg. wt., 1 ib.
13 P14723
Eitra 9 volt Battery for Above.
99P60212
Nef 14.95

## "MOLE" BASS BOOSTER

The solid-state "Mole" Bass Booster entracts unwanted highs and amplifies the subharmonics for a deep, resonamh, dynamite bass sound. Simply plugs into lour bass amp. With Level control, "Boost/ OfP" switch, and battery. Slite: 3x2xim"
13 P1473t Shpg. wt., I ib... Nat 15.95
 Entra 9 Volt Battery for ADove.
99 P 60212
Net .31


## GUITAR SELF-INSTRUCTOR FOR THE BEGINNER

## - Book And Record

Book and instruction record for the beginner. Chord sounds and pictures plus "strum" along tavorites. Shps. wt., 6 oz.
12 P 67079
Net 1.50


SMITH'S MOOERN ELECTRIC BASS BOOK Authoritative 4 string electric bass guitar method book 12 P 67095 Shog. wt. B oz.

JNet 1.75

## Famous Name Musical Instrument Speakers




## INSTRUMENT AMPLIFIER HORN



- Complete With Crossover


Add exciting overtones to your amplified instrument music. Molded of strong, light weight fibre which is free of resonance. Oniy $3 \mathbf{y} / \mathrm{h}$ : $8 \times 84 z^{\prime \prime}$ deep. When used with the crossover supplied, handles the high trequencies of a 50 watt ampllfier. With larger amps, use 2 horns per wooler. Response, $2,000 / 20,000 \mathrm{~Hz}$. Use with B or 16 ohm speakers. 2,8 oz. Ceramic magnel. Shpg. Wi, $11 / 2 \mathrm{lbs}$.
32 P 49521
Net 14.95

- Upgrade Your Present Equipment
- Designed For String Bass Instruments. Electric Guitars, Electric Organs
- Reproduces Crisp Brilliant Highs, And Full Ciean Lows
- Massive Magnet Structures Up To $171 / 2$ Lbs.
- Rugged Heavy Cast Aluminum Frames
- $3^{-}$Aluminum Edge-Wound Voice Coils

MOOEL 4178C-12" Protessional Quality Instrument Speaker. Power: Will work with ampllifers rated up to 75 walts, Impedance: 8 -ohms Voice Coll: $3^{\prime \prime}$, Magnet Structure: $104 / 2$ lbs., Diameter: $124 \%^{\prime \prime}$. Depth: 55 mm .5 hpg , wt., 16 Jbs.
32 P 38 Sobw No Money Down*
Net 85.00
MOOEL 418 - $15^{\prime \prime}$ Protessional Quality Instrument Speaker. Power: Will work with amplifiers fated up to 100 watts. Impedance: 8 -ohms, Voice Coll: $3^{\prime \prime}$, Magnet Structure: $101 / 2$ lbs. Diameter: $15 \mathrm{~K}^{\prime \prime}{ }^{\circ}$ Depth: $7^{\prime \prime}$ Shpg. wt. $141 / 4 \mathrm{lbs}$.
32 P 38516 W No Money Down*
Net 95.00
MODEL $421 \mathrm{~A}-15^{\prime \prime}$ Professional Quallty Instrument Speaker. Specifically designed for the BASS INSTRUMENIS . . Bass Cuitars and Organs. Power: Will work with amplifiers rated up to 100 wafts. Impedance:
 Depth: $6 \mathrm{v}^{\prime \prime}$ " Shpg, wt., 25 lbs.
32 P 38524W No Money Down* .
Net 115.00

# LAFAYETTE 25 -Watt Solid-State P.A. Amplifier 

## ${ }^{\text {outr }} 6995$

- 25-Watts Continuous Power (RMS), 50 Watts Pealk
- Tape Recorder and Booster Amplifier Outputs
- Master Volume Contral
- Outputs for 4, 8 and 16 ohm Speak. ers and 25 Voll and 70 Volt Constant Voltage Speaker Installations
- Mierophone Precedence Switch
- Anti-Feedback Networt
- Switchable Kigh and Low Level Mike Input

Lafoyefte's PA-25A, 25. Watt sotid-state PA amplifier will more than satisly your requirements for dependable performance for medium size meefing rooms, classrooms, entertainment cen. ters, etc. The PA-25A incorporates all the desirable PA features plus several other sophisti. cated characteristics found in much more expensive equipment, l.e.s Controls: Separate alass and Treble, Master Volume, Microphone Volume, Auxiliary-1, Aux biary-2, Anti-feedbach for minimizing feedbact and for protection of speakers, and Microphone Precedence for direct or remote muting of auxiliary inputs when onty mierophone input is desired. In the rear, the PA.25A features a tape record output jach plus a separate output jack for tape recorder or booster amplifier, 2 speater output sochets and impedance matening terminals for 4, 8, 16 ohms and 25 -Volt and 70 -Volt constant outputs, an $A C$ convenience outlet. and $A C$ and $C C$ uses, Complete with micrort constam outpurd 2 plug in speater connectors. For 105-125 Volts. 60 Mz . Size $151 / \mathrm{WW} \times 5 \mathrm{~N} / \mathrm{AH} \times 1012^{\circ}{ }^{\circ} \mathrm{D}$. Imported. Shps. wt . $22 \% \mathrm{lbs}$.
99 P 46377 W No Money Down
99 P 46095 Desk microphone for remote mite precedence operation $\mathbf{W t} .24 / 2 \mathrm{lb}$.............................................. 69.95

## 25-WATT INDOOR P.A. SYSTEMS with HEAVY DUTY 12" SPEAKER

Inciudes PA-25A 25-watt P.A. amplifer; Rugged, specially designed hi-power 12" PA. speaker; Polished walnut wooden wall bathe; hafayefte 99 p 45874 shm crystal mictophone with on-off locking switch, desk stand, lavalier cord, cable and removable type floor stand and desk stand adapter; 35 fL speaker cable. Shpg. wt., $33 \mathrm{~m} / \mathrm{tbs}$ 44 P 92187 WxM No Money Down*

Net 86.50

## with COLUMN SPEAKERS

Same P.A. system as above except with $30 \mathrm{t} / 4 \mathrm{x} 733 \mathrm{han}$ column speaker instead of $12^{-}$speaker and wall batfie. Attains extra efficient sound reproduction with 6 internal speakers. Shpg. wt., 37y/4 ibs.
44 P 92195 xM No Money Down* ............................iet 104.95 Above system with extra column speaker and cable. Shpg. Wl., 51 lbs . 44 P 92203 WXM No Money Down*

## 25-WATT PORTABLE P.A. SYSTEMS

A complete 25 -watt P. A portable system that in addition to Lafayette's fine 25 -waft P.A. amplifier, includes a heavy duty $12^{\prime \prime}$ P.A. speaker; a rugged excellently constructed carrying case that serves as an efficient speaker baffle and housing for the amplifier, optional phonotop, micro. phone, cables and up to $2.12^{\text {- }}$ speakers; Lafayette 99 . 45874 hist impedance slim crystal microphone with on-off locking switch, with cable, dest stand, removable swivel type 1100 stand adapter, and lavalier cord: and 35 Ht . speather cable. for 105.125 volts 60 Hz . AC: Shpg. wt., $47 \% \mathrm{M}$ lbs.
44 P92211wxM No Money Down*
Net 101.95
Same as above except with $2=12^{\prime \prime}$ heavy-duty 15 -watt Pa speakers plus $35^{\prime}$ speaker cable. Shpg. wt., $531 / 4 \mathrm{lbs}$.
44 P $92229 w \times m$ No Money Down*
Net 111.50


Phono Turatable
4.speed ( $16,33 \mathrm{k} .45$, and 78 RPM) phonograph turntable. Used alongside of PA-25A. PA-50A, and PA-100A. Takes records up to 12". Ceramic pichup turnover type with dual synthetic sapphire stylus. Power requirements: 15 watts, 117 volts, 60 Hz AC . Durable finish. Size: 12\%/493642/2"0/a, Shpz. wt. 5 lbs 44 P Ol048w

## LAFAYETTE 50-Watt Solid-State P.A. Amplifier



50-WATT INDOOR PA SYSTEMS
Excellent for Large Halls, Department Store Paging Systems, Auditoriums, Supermarkets, etc. WITH 12" HEAVY-DUTY SPEAKERS WITH $8^{\prime \prime}$ SPEAKER-BAFFLE COMBINATIONS


- Lafayette PA-50A 50-Watt PA Amplifier
- 2-12" 30 -Watt ( 60 watts peak) Heavy-Duty Speakers. Each with Tough Industrial Type $14 / 2^{\prime \prime}$ Voice Coil and $11 / 4 \mathrm{lb}$. Ceramic Magnet for Excellent Efficiency
- 2 Sturdy, Attractive Walnut Wall Baffles for Speakers
- Choice of Deluze Dynamic Mikes
- 2-35' Lengths of Speaker Cable Abave system with Lafayette 99. 46039 dual impedance dynamic microphone and $99-45999$ desk stand. Can also be hand held or used with standard floor stand. 110 -130 VAC $50 / 60 \mathrm{~Hz}$. Shpg. wf, 49 lbs. 44 P92294WXM ........Net 144.50 Same as above with Shure Unisphere A dynamic "pop-proof" cardoid mike instead of Lafayette microphone. Shpr. wt., 471/4 liss. 44 P 92302 WXM ........Net 172.95

$8^{\prime \prime}$ Speaker Baffie Combinations
 Mike with 9945999 Desk Stand


AS LOW AS

## 186

No Money Down*
Consists of:

- Lafayette PA-50A 50. Watt PA Amplifier
- 4-8" Speaker-Baffle Combinations, each with Matching Transformer for 25 and 70.7 Volt Constant Voltage Outpuls, plus Volume Control
- Choice of Deluxe Dynamic Microphones
4-35 Lengths of Speaker Cable
Complefe PA system as above with Lafayette 99-46039 dual impedance dynamic microphone and 99.45999 desk stand. Mike can also be handheld or can be used with slandard foor stand. Shpg. wt., 56 lbs. 44 P 92096 W XM .........Net 186.50 Same as above except with Shure Unisphere A dynamic cardioid "popproof" microphone instead of Lafay. efte microphone. Shpg. wi., $55 \frac{1}{4}$ tbs. 44 P 92104 WXM ........Net 214.95

ONE Year Guarantee: All parts guaranteed against defects in material and workmanship for one year. Ship defective part to

## 50-WATT OUTDOOR PA SYSTEMS



## 50-WATT PORTABLE PA SYSTEMS

## with Dual Speakers

For the Majority of Sound System Applica. tions... School Auditoriums, Churches. Theatres. Oance Halls, Studios, Lec. ture Halls, etc.

## ${ }^{154} 4^{50}$

No Money Down*
Consists of:

- Lafayette PA-50A 50 Watt P.A Amplifier
- Two 30 Watt Heavy Duty 12" P.A. Speakers
- Lafayette 9946039 Dual Impedance Dynamic Microphone \& Desh Stand

Latayette 99-46039 $99-45999$ Destr 5tand

- Attractive, Slurdy Carrying Case for Amplifiers, Speakers \& Accessories. Serves As Efficient Bafle
- Two 35' Speaker Cables

Complete System as above. Shpr. wt.. 62 lbs.
44 P 92112 WXM $\qquad$ Net 154.50 Same as above system except with Shure Uni. sphere Cardioid Oynamic Microphone instead of Lafayette microphone. Shpg. wt. 61啚 lbs.
-1 P P2120wxM $\qquad$ Net 182.95

## LAFAYETTE 100-Watt Solid-State P.A. Amplifier Model PA-100A



## Only <br> $126^{00}$

- 100-Watts (RMS) at Less Than $5 \%$ Distortion (200-Watts Peak Power)
- Switchable High \& Low Level Mike Inouts
- Microphone Precedence Switch
- Anti-Feedback Network
- Tape Recorder and Booster Amplifier Outputs
- Master Gain Control
- 25 Volt and 70 Volt Constant Voltage Outputs

Lafayette's 100 -watt solid-state P.A. amplifier features outstanding solid.state circuitry design for truly dependable public address long life pertormance. Its high power and special features make it ldeal for use in large meeting areas, factories, department stores, airports, churches, temples, outdoor areas, etc. where maximum coverage is essential. Some of its salient features are separate bass and treble controls, efficient master gain control, separate microphone volume controls for microphone 1 and microphone 2. mixer control for both auxiliary inputs (phono, tuner, etc.), 2 switchable high and low level microphone inputs, a switchable anti.feedback nefwork to minimize feedback and to protect speakers against burnout. In addition the PA-100A incorporates a microphone precedence switch that permits muting of auxiliary inputs when only microphone input is desired, as well as separate mike precedence terminals to permit remote switchable microphone precedence with suitable microphone: one tape record output jack plus a common tape record and booster amplifier output jack; 2 speaker output sockets for 4,8 and 16 ohm speakers, and 25 volt and 70 volt constant voltage speaker outputs for a constant level sound system, The PA-100A also includes power-on indicator light, AC convenience output and push-to-reset circuit breaker. It is professionally designed for attractive appearance as well as for exceplionat utility. Complete with microphone connector and 2 plug-in speaker connectors. For $105-125$ volts, $60 \mathrm{~Hz}, 190 \mathrm{VA}$. Size $151 / \mathrm{wW} \times 51 / 4 \mathrm{H} \times 104 / 2 \mathrm{D}$. Imported. Shpg. wt., 29 lbs. 99 P 46401 W No Money Down*

Net 126.00 Desk microphone for remote mike precedence and standard operation. 99 P 46096 Shpg. wi., $21 / 2 \mathrm{lbs}$

## 100-Watt Indoor Public Address Systems

Excellent for: Department Stores, Auditoriums, Airports, Large Meeting Halls, Churches, Temples, olc.



Wall-Mount Speaker Baffe Combinations with $25 \mathrm{~V} / 70.7 \mathrm{~V}$ Transformers

Complete 100 -watt indoor PA system as above with Lafayette 99. 45981 deluxe dual impedance dynamic "pop-proof" microphone with on-ofl switch, desk stand and 6 ft . detachable cable. The microphone can also be hand held or mounts on any standard floor stand. Shpg. wt., $731 / 4$ los.
44 P92138wXM No Money Down* $\qquad$ Net 252.95

Same as above system except with famous Electro-Voice 664 dynamic cardloid microphone with 15 ft . of cable instead of 99.45981 microphone. Shpg. wt., 74 lbs.
44 P92146WXM No Money Down*
Net 291.95

## with COLUMN SPEAKERS As Low as $20 \begin{gathered}\text { No Money } \\ \text { Down* }\end{gathered}$

- Lafayette PA-100A 100-Watt Solid State Pa Amplifier
- Two 30-Watt 6-Speaker Sound Column Speakers for Optimum Voice and Music Reproduction
- Choice of Delure Dynamic Microphones
- Two 35 ft. Speaker Cables

Above 100 . watt PA system with Lafayette $99-45981$ deluxe dual impedance dynamic "pop-proof" microphone with on-off switch and desk stand. Column speakers are $301 / 4^{\prime \prime}$ $H$ : 7 W : $34 \mathrm{~m}^{\circ} \mathrm{D}$. Shpg. wt., $59 \mathrm{y} / \mathrm{lbs}$. 44 P92153WXM ...Net 201.50

$\qquad$ Same system as above except with 2 Lafayette deluxe 60 -watt 6 .
speaker $411 / 2 H \times 71 / a w \times 5 " 0$ sound speaker $411 / 2 \mathrm{H} \times 71 / 4 \mathrm{~W} \times 5^{\circ} 0$ sound column speakers instead of 30 watt column speakers. Shpg. wt., 78 lbs.
44 P92161wXM No Money Down* $\qquad$ Net 237.50 Same system as $44-92161 \mathrm{WXM}$ except with Electro-Voice 654 dynamic cardioid microphone with 15 ft . of cable instead of 99.45981 microphone. Shpg. wt., $78 \frac{1}{2}$ lbs.
44 P92179wXM No Money Down*
Net 275.95

LAFAYETTE P.A. AMPLIFIER GUARANTEE one year. Ship defective parts to us prepaid for replacement or ship amplifier prepaid for repair

## 100-Watt Hi-Power Outdoor P.A. Systems

Ideal For Large Area Coverage

## Consists of:

- Lafayette PA-100A 100-Watt Solid State PA Amplifier
- 2 Electro-Voice PA30A 30-Watt Outdoor Speakers
- Choice of Deluxe Dynamic Microphones

This outstanding outdoor PA system with Lafayette 99.45981 deluxe dual-impedance dynamic "pop-proof" microphone with on off swittch, desk stand and 6 -ft. detachable cable. Microptione can also be hand held or mounts on any slandard floor stand. Shpg. wt., 46 los. 44 P 92237WxM No Money Down* ........................Net 183.50 Same system as above plus 2 additional E-V PABOA projector speakers. Shpg. $\mathrm{wt} . .58 \mathrm{l} / 4$ los.
44 P 92245 wxM No Money Down*
.Net 231.95
Same system as 44.92237 WXM except with famous Electro-Voice 664 dynamic cardioid microphone instead of 99.45981 microptione. Shpg. wt. 46 lbs.
44 P 92252wxM Nn Money Down* ........................Net 222.50 Same system as $44-97245$ wxM encept with Electro. Voice 664 dynamic cardioid microphone instead of $99 \$ 5981$ microphone. Wt... 61 lbs 44 P $92260 W X M$ No Money Down ${ }^{\circ}$........................Nel 270.95


## 100-Watt Portable P.A. Systems With Dual Speakers

## Consists of:

- Lafayette PA. 100 A 100 Watt PA Amplifier
- Two 30-Watt Heavy Duty $12^{\prime \prime}$ P.A. Speakers
- Choice of Deluxe Dynamic Microphones
- Attractive. Sturdy Carrying Case and Baffle for Amplifiers, Speakers, and Accessories.
- Two 35 Speaker Cables

Complete 100. Watt portable PA system as above with Ladayette $99-45981$ delure dual-tmpedance dynamic "Dop-proof" microphone with on-off switch, desk stand and 6 ft . detachable cable. The microptone can also be hand-held or mounts on any standard floor stand. Shpr. wt. $65 \frac{1}{2}$ tbs.
44 P $92278 w x M$ No Money Down*
..Net 181.95
Same as above system except with famous Electro-vcice 664 dynamic cardiold microphone wift 15 ft . of cable instead of 99.45981 microphone. Shide wt. 66 los.


## Lafayette Portable P.A. Case

- 2 Baffles in One Case
- Room For Two $12^{-1}$ Speakers

A sturdily constructed case for amplifier and two 12" speakers. Made of heavy plywood with reinforced metal corners. Case splits into 2 baffles each with heavy duty plastic carrving hande. Covered with attractlve grill cloth. Has " 2 " hooks in each half for carrying speaker cables and provisions for mike and mike base. 4 snap locks. In addition to room for two 12" speakers. there is ample \$pace for any amplifier and phono top measuring up to $16 \geqslant 4 \mathrm{Wr} 11 \geqslant 4 \mathrm{Dz} 10^{\circ} \mathrm{H}$. 173 ; $127 / 4 \mathrm{~m} 22^{\circ} 0 . \mathrm{D}$. Snpg. Wt., $182 / 7$ ibs.
44 P 01618 Wx
Net 21.95
Buy Any Complete P.A. System on This Page and SAVE MONEY


# PA Projectors, Trumpets, Paging Spaakers and Drivers 

## Lafayetite miniature horn paging speaker



## 950

- Mounts Easily
- $90^{\circ}$ Dispersion - Weatherproof

An excellent general purpose paging speaker of amazingly compact size. Ideal for portable PA systems, patios, etc. Long-throw projec. tion of $90^{\circ}$ dlspersion offers maximum speech intelligibility in high noise areas. Compact size enables it to be mounted anywhere in almost any position. Frequency response $490 \cdot 12,000 \mathrm{Mz}$. Impedance 8 ohms. Power handling capacity 5 watts, 8 watts maximum. With mounting bracket. Horn diameter $51^{\prime \prime}$ Depth $4 x_{4}^{\prime \prime}$. Imported. Shog. wt., IV/ los.
99 P 45080
Net 9.50

## E-V PROJECTORS AND PAGING SPEAKERS


(A) Model sata. COMPOUNO DIFFRACTION PROJECTOR-a wide range horn and driver system using two way driver plus high and low trequency horms coupled to both sides of diaphragm. Delivers wide angle sound with extremely low distortion. Outer horn is fabricated of flberglass and polyester resin for strength and resistance to corrosion. Ela sensitivity Rating 57 db . Power handling capacity; 30 watts program. Response: $150-10,000 \mathrm{~Hz}$. Impedance: 8 ohms. Dispersion: $120^{\circ}$. Universai $U$ Mounting bracket. Dimensions: $101 / 2 \times 20^{1 / 2}$ 20ㅇ․ 44 P 2564 iw Shpg. wt., 17 lbs. No Money Down* ${ }^{*}$.. Net 60.7 S
(8) Model PM-12. 12-WATT PAGing SPEARER. Fiber-polyester canstruclion. Round reentrant design. Wide dispersion. Freq. Response: $325 \cdot 14.000 \mathrm{~Hz}$. Impesance: 8 -ohms. Power Handing: 12.watts. Sire: $\frac{325-14.000}{72} \mathbf{~ H 2}$.
44 P 25765
Net 17.40
(C) Model PA-30A. 30-WATT PAGING PROIECTOR. Rugged. Migh-impact horn. Rectangular horn design for maximum versatility, wide dispersion. Smooth response for both voice and music: $250 \cdot 14,000 \mathrm{Mz}$. : 30 watts. 8 ohms. Dispersion: $120^{\circ} ¥ 90^{\circ}$ Ela sensitivity rating 63 db. 11 H z $64 / 2 \mathrm{~W}$ x $81 / 2^{\circ} \mathrm{D}$. Shpg. Wt., $63 / 4 \mathrm{lbs}$.
44 P 25153
Net 25.50

## ATLAS MOBILE PA MARNE AND CB SPEAKERS



Model M0-1 Weatherprool speaker with speciat, rigid, one-piece cast bracket for fall-safe use on venicles or boats. Concealed wiring and special one piece horn discourage tampering. High efficiency for use with mobl radio transceivers. Ideal for shipboard cabin-top mounting. Power: 25 watts. Impedance: 8 ohms. Response: 300.13,000 Hz . Dispersion: $130^{\circ}$. Size: $71 / 4^{"}$ bell diameter, $6^{2} \%{ }^{\circ} \mathrm{D}$. Shpg. wt., 6 lbs.

## 44 P 10346 No Money Down*

Net 31.14
Model MO-2 Compact, weatherproof moblle communications speaher with welded steel brackef for concealed, limited space use In vehicles or on boats for bulkhead or cabin-top mounting. Power: 25 watts. Impedance: 8 ohms. Response: $300-13,000 \mathrm{~Hz}$. Disperston:

44 P 10353 No Money Down*
Net 30.84

## UNIVERSITY LINE MATCHING TRANSFORMERS

Model 5433-30 watt. Primary 45/165/200/250/1000/2000 ohms; secondary 4, 8 and 16 ohms; 70 volt line taps $30 / 25 / 20 / 10 / 5 / 2.5$

44 P 80166 Shpg. wt., $31 / 4$ lbs.
Net 6.68
Medel 5434 15-watt. Primary 45/325/500/1000/2000/4000/8000
ohms; secondary $4 / 8 / 16$ ohms; power taps with 70 volt line

44 P 80174 Shpr. wt., 11/4 lbs.
Net 5.60

- See Page 23 for Full Details on Easy Pay Plan

LAFAYETTE REFLEX HORN SPEAKER


## Only $9^{95}$

- Weatherproof
- Non-Ferrous, Non-Corrosive
- Ideal for Indoor, Outdoor, and Marine Communications

Miniature weatherproof reflex speaker that is ideally suited for outdoor and marine paging and portable P.A. systems. Its compact size makes it adjustable to all areas where space is limited. Adjustable non-corrosive swivel bracket permits mounting practically anywhere, and enables rotation of speaker within a $90^{\circ}$ arc. Impedance 8 ohms Power handling capacity 5 watts. Fpequency eange 400.12000 Hz Size: Horn diameter $5 \frac{1}{2 \prime \prime}$, Depth $3 \mathrm{t} \mathbf{2}^{\prime \prime}$. Imported. Shpg. wt., 2 tbs. Size: Horn diameter 54/4", Depth 31/2". Imported. Shpg. wt., 2 年s. 9.95
99 P $\mathbf{4 6 4 3 5}$

## UNIVERSITY REFLEX TRUMPETS AND DRIVERS


(A)
(8)

Mighly efficient air column directional reproducer to give maximum intelligibillty in areas of high noise level. Design of unlis listed below provide oplimum sound distribution pattern, increases sound intensity along speaker axis dependent upon dlameter of horn. Made of heavy gauge spun aluminum, weather proof, gray finish. With universal "U" type mounting brachet. less driver unit. Type GH: 85 Hz cut off for music. Types LM and PM: 120 and 150 Hz cut off for general use. Trpe SMM: 200 Hz cut off for voice only. For Drivers See Listing Below. No Money Down*

REFLEX TRUMPETS

| Stock Mg. | Model | Diam. | Lng. | Air Col. | Shpt. mi. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 44 P80125WX | 6H | 30\%" | 277" | 61/2" | 231/4 ibs. | 65.85 |
| 44 P 80133Wx | IM | 25\%" | 19* | 412" | 1944 lbs. | 42.30 |
| 44 P 80141w | PH | 204/4" | 1574* | $31 / 2$ | 111/4 lbs. | 30.63 |
| 44 P80158W | SWM | 164/4 | 12" | 212" | 8 lbs . | 26.30 |
| DRIVERS |  |  |  |  |  |  |
| Stock No. | Model | Power |  | mp. | Wt. | Net |
| 40 P 90315 | 10-404 | 40 watts |  | 6 hm | 41/2 lbs. | 20.06 |
| 40 P 80182 | 10-20 | 20 watts |  | ohm | 21/2 lbs. | 18.15 |

UNIVERSITY PAGING/TALK BACK SPEAKERS


Compact sized, weatherproot, highly efficient speahers for all PA fixed, and mobHsinstaliations. With patented "Omni-Loll" swivel mount quichly converts for fitting to $1 / 2{ }^{\mu}$ plpe.
Model MILAT-Response: $350-13,000 \mathrm{~Hz}$. Impedance: 8 ohms. Ideal tor low power systems requiring high efficiency. Mandles 10 wafts. Dispersion: $120^{\circ}$. Size: $71 / \mathrm{K} \times 6 \%{ }^{\prime \prime}$. Shpg. wt., $31 / \mathrm{lbs}$
44 P 80067
Net 21.80
Model 18 .all. Ideat for till in applications in high power sound sys tems and as the main speaker in low to moderate power systems. Response: $250-13.000 \mathrm{~Hz}$. Mandles 30 watts. Impedance: 8 ohms. Dispersion: $90^{\circ}$ Sire: $10 \times 914^{\prime \prime}$. Shpe. wt.. $4 \%$ Ibs. 44 P 10034

# PA Sound Columns, Speakers, and Megaphones 

## LAFAYETTE 6 Speaker Directional Sound Columns

[A]

[B]

- Reduces Reverberation and Feedback Problems
- Concentrates or "Focuses" Sound Where Needed

Speclally designed, matched and balanced speakers stacked In a vertical array. By widely directing sound in a horizontal plane cover a large audience, and by narrowing the vertical plane they reduce normal acoustic feedbach and reverberation from floor and celling reflections, resulting in crystal-clear voice and music reproduction.
(A) Lafayette 30 Watt Sound Column - Six $41 / 3^{\prime \prime}$ speakers handle up to 30 watts power. Frequency response $200-10,000 \mathrm{~Hz}$. Dispersion $120^{\circ}$ horizontal, $30^{\circ}$ vertical. Impedance 16 ohms, Attractive vinyl covered wood cablnet. Dimensions $31^{\prime \prime} \mathrm{Hz} 71 / a^{\prime} W \times 3 / 4{ }^{\prime \prime} \mathrm{D}$. imported 99 P 46146 W Shpg. wt., $13 \mathrm{t} / 2 \mathrm{lbs}$.
...Net 34.25 (8.) Delure Lafayette 60 Watt Sound Column-Six powerful $6^{\prime \prime}$ speak ers handie up to 60 watts power. Sire: $411 /{ }^{\prime \prime} \mathrm{H} \times 7 y_{1 / 2}{ }^{\prime W} \mathrm{~W} 5^{\circ} \mathrm{D}$. Fre. quency response $70.10,000 \mathrm{~Hz}$. Dispersion $120^{\circ}$ horizontal, $30^{\circ}$ vertical. Handsome vinyl covered wood cabinet. Impedance 8 ohms. 99 P 46252 wx Shpg. wt., $22 \frac{1}{2}$ Ibs. No Money Down* Net 52.95

## Weatherproof Outdoor Public

 Address and Hi-Fidelity Speakers
E.V SONOCASTER $24^{50}$

(B)

HI-FI SPEAKER $34^{95}$

(C)

UNIVERSITY MLC

(A) ELECTMOVOICE SOwOCASTER I Lightweight, rulged and wealherproof for extension or portable use anywhere. Special fadax coaxial $8^{*}$ speaker provides amazingly wide fang response, $70 \cdot 13,000 \mathrm{Mz}$. Ideal for use with existing sterec system. Improves performance of any portable radio, record player, recorder, etc. Btach molded hous. ing similar to fine air travel luggage; can't chip, fade or peel. Acces. sory hangup bracket Included. Molded-in handle. 8 ohms. 30 watts peath. $161 / 4 \mathrm{Hx} 17 \mathrm{Wx} 57 / \mathrm{m}^{\text {"D Wt. Wt. } 7 \mathrm{lbs}}$

## 21 P 30300W

## Net 24.50

 (B) DELUXE NIGH FIOELITY OUTDOOR WEATHERPROOF SPEAKE负 Designed to be used with outdoor home high fidelity and stereo music systems on patios, lawns, terraces, and around swimming poot areas. The magnificent projecting speaker consists of a special $61 / 2^{\prime \prime}$ full range speaker mounted in a totally seated, infinlte baffle-type compression chamber with the speaker diaphragm drlving on one piece, flberglass reinforced polyester, folded, front loaded horn. The woofer compression chamber is made of spun aluminum. Comes with adjustable and serrated " $U$ "' brackel which permits $180^{\circ}$ variation in mounting position. Dispersion $120^{\circ}$, Response, $100 \cdot 15,000 \mathrm{~Hz}$. Power Handing 20 Wafts. Impedance 8 ohms. Size: $12 \frac{1 / 4}{}{ }^{\circ} W \times 9 \frac{1}{4}{ }^{\prime} \mathrm{H}$. Finish -light Grey. Shps. wt.. 8 Ibs.44 P 80307W No Money Down* $\qquad$ Net 34.95 (C) Univensity mLC Ideal for coverage of moderate size areas of crowds-or for sound reinforcement where smooth, clean wide range musical reproduction and even distribution are important. fiberglass reinforced polyester housing with movable mounting bracket. Excellent reproduction from $150-15,000 \mathrm{~Hz}$ with a power rating of 15 watts. System has a 2000 Mz crossover. $120^{\circ}$ dispersion; 8 ohms impedance. Dimensions: $121 / 4 W \times 91 / 6 H x 15 \$^{\circ} 0$. Shpe. wt., 1Q Ibs.
44 P Bo018w No Money Down*
..Net 46.76

## LAFAYETTE 8" 10 -Watt Multi-Tap PA Speaker System



- Built-in Volume Control
$19^{95}$

- 70 Volt and 25 Volt Line Matching Transformer with Taps for $10,5,2.5$, 1.25, and . 625 Watts

An $8^{\prime \prime}$ multi-iap PA speaker completely prewired in a finished wood baffle. Ideal for any type of indoor sound system. Heavy duty speaker has 4.64 ol. Alnico magnet. Power rafing: 10 -watts. Transformer is mounted directly on speaker frame. Taps are $10,5,21 / 2,11 / 4$ and $5 / 4$ watts for connection to 70 volt and 25 volt ampliffer output, Terminal board with screw terminals is provided at the rear of baftie for easy connections. Speaker has its own volume control for setting volume levels as desired at speaker location. Size: 11 Wx $9 \%$,Hz610"D. Imp ported. Shog, wt. $61 / 2 \mathrm{lbs}$.
99 P 46310 W
Net 19.95

## POWER MEGAPHONES

## FANON MV-3 Transistorized Megaphone



Lightwelght aluminum. Baked enamel finish for durability. Anti-howt damping element. Pistol grip. Ni/Lo volume switch. $5^{\prime \prime}$ reflex air column. $81 / z^{\prime \prime}$ bell. Power output: 3 watts peak - 1.5 watts rated. Range: 200 yds. Batteries: Four " $D$ " cells (not Included) give over 6 hours continuous operation. Convenient carrying strap. Size: $9^{-\pi}$ 13". Imported. Shpg. wt., $41 / 2 \mathrm{lbs}$.
44 P 30260w No Money Down*
Net 33.95 90 P 63661 W Long-Life " $D$ " Batteries (4 req'd) ....Ea. 28

## FEDTRO Powerhouse Transistorized Megaphone



Rustproof Waterproor - Range Up to 1200 Feet

Thls land and sea meraphone teatures all aluminum construction, superb clarify and tonal quality, a durable handy carrying strap, instant battery loading, a noise-cancelling microphone, fingertip volume control and power-packed amplification. It is capable of 5 watts output and operates off 4 optional flasnitght "D" cells. The bell is profected and cushioned with a polyvinylchioride bumper rim. Finished in brilliant red and ebony black. Imported. Dim.: 71/4* Dia. $\times 12 \mathrm{M} 4^{\prime 2}$.
44 P 27027 W Shpg. wt, $41 / 2$ lbs. No Money Down* ..Net 44.95 99 P 63661 Long-Life " $D$ " Batteries (4 Required) ..Ea. 28

UNIMETRICS 20-Watt Portacall


- Range 3600 ft .
- Red Emergency Light
- Blast Siren Signal

Extremely rugged and rellable. For long range voice communication. Water resisiant and corrosion proof. Transistorized amplifter. Brilliant red emergency light. Powerful built-in emergency siren. Pistol grip. "C'I Batieries (not included) with cal. Built In mike. Operates on 8 "C" Balteries (not included). With carrying stpap. Imported.
40 P 69118 w Shpg. wi., 6 tbs.
"C" Batteries for above (8 required)
99 P 62572
Net 74.50
Net ea.

## LAFAYETTE PA Speakers - Lowell Baffles

## LAFAYETTE CEILING 8AFFLE with SPEAKER

- Wide Range Hi.FI Response
- Measures Only 21/4* Deep
- 1202 . Magnet Structure
The pertect speaker to furnish music of paging throughout your home, office or factory, this unique ceiling and wall baffle speaker offers tine audio reproduction, Highly attractive mint cool green. beige color that blends harmoniously with any celling or enclosure. Onity $21 / /^{\prime \prime}$ deep with its own metal balfle plate. It easily mounts in any wall, celling, closet or ordinary wood enclosure. Two are perlect for stereo. Yoice coll is I" Diam. Frequency Response: $90-9,000 \mathrm{~Hz}$. Impedance: 8 ohms. Overall sire including metal batlle is $912^{\prime \prime}$ Requires 6 st wall cutout. Imported. Snpg. wt., 3 los.
99 P 45056
Net 7.50


## UTAH OM-10 OMNJ-Directional $8^{\prime \prime}$ WALL/CEILING SPEAKER

- $8^{-1}$ Wide Range Speaker
- Radiates Sound

For a Full $360^{\circ}$
fasten to celling or hang on wall. Will not overpower people directly in front or under speaker. Handsome walnut grained ballie. Supplied L.Pad type control and all necessary hardware. Impedance: 8 ohm . Power 8 watts ( 15 watts peak). Site: $11 \times 11 \times 42 / \mathbf{n}^{\prime \prime}$. 44 P 20030 W Shpr.wt., 4 libs. Net 15.95

## LAFAYETTE PA SPEAKERS

## 8" PA SPEAKER <br> - Handles 20 Watt Peak

The $8^{-1}$ favorite of professional sound installers; with 5.5 oz. ceramic magnet and $3^{\prime 4} 4^{4}$ volce coil. Magnet assembly bonded with GF-cured epoxy, can't shift Internal magnet seal for added dependability. Han des 10 -watts program, 20 -watts peak. Impedance, 8 -ohms. Only $2 \%{ }^{3}{ }^{-3}$ deep, fits Inside walls. A popula speaker at a popular price
44 P 01030 Shpg. wt. 214 lbs.
Net 5.95

## 12" PA SPEAKER

- Handles 36 Watts Peak Highly efficient magnet and voice coil combination for maximum sound output per watt: 10 oz. ceramic mapnet and $l^{\prime \prime}$ voice coll. Magnet assembly bonded with RF-cured epoxy, can't shift. Internal maznet seat for added dependability. Handles 18 -watts proElam, 36 watts peak. Impedance, 8 ohms. $47,0^{\prime \prime}$ deep. Shpg. wl., 5 lbs
44~01022 w
Net 8.95


## DELUXE HEAVY DUTY 12" PA SPEAKER <br> - Handles 60 Watts Peak $L$

Hifh Power handling ability for farge instaflations. Tough industrial type $14 z^{\prime \prime}$ volce coil. 20 oz . ceramic magnet for excellent efficiency. Accepts all popular line-fo-voice coil transformers. Power handiling 30 watts ( 60 walts peak). 1 mp . 8 ohm. Overall Diam.
 44 P 01600w

Net 12.95


Decorative high impact Styrene plastic balfles: White finish. Lightweight and durable - will not fade. chip or mar-Model ADS80.P has full $360^{\circ}$ dispersion. Self-tapping speaker mounting screws sup. plled.

| Stock N0. | Tipe | Oescription | Wt. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 44 P 50144 | ADS8OP | for $8^{\prime \prime}$ ceiling Sphr 10x $10^{\prime \prime}$ | 1007. | 5 |
| 44 P S0151 | CR8OP | For $8^{\prime \prime}$ celling \% wall Spkr 10x10* | $80:$. | 1.43 |
| 44 P 50169 | L35P | For 348" intercom Spkr $44 \% 2 \times 7^{\prime \prime}$ | 508. | 94 |

44 P 50169 135P
For $34 \mathrm{z}^{\prime \prime}$ intercom Spkr 44\%x

AL


AS and AL ceiling batlles are ideal for instaltation in homes, oflices, restaurants, efe Spun aluminum materiat has lacquer protected satin finish. Model AL teatures dlffusef cone for full $360^{\circ}$ sound dispersion, RequIRE PROTECTIVE SPE员ER ENCLOSURES (TYPE CP ANO XCP LISTEO 8ELOW).

| Stoch Mo. | Type | Deseription | Lbs. Net |
| :---: | :---: | :---: | :---: |
| 44 P 50011 | RS.6A | For $6^{-1}$ speaker $10 \% \times 7 \%$ | $3 / 4.2 .53$ |
| 44 P 50029 | RS-8A | For $8^{\prime \prime}$ speaker $125 /{ }^{\prime \prime} \times 1 /{ }^{\text {a }}$ | $1 \quad 2.50$ |
| 44 P 50037 | RS8AW | Same as above but wh. enam. | 12.50 |
| 44 P50045 | RS-12A | For 12 " speaker $16 \% \%^{\prime \prime}$ 男" | $11 / 4 \quad 3.85$ |
| 44 P 50052 | ALGA | For 6" speaker 1D7a" Dia. | $1 / 4 \quad 5.06$ |
| 44 P 50060 | AL8A | For $8^{\prime \prime}$ speaker 129\%" Dia. | 18.66 |
| 44 P 50078 | AL12A | For 12"speaker 164*" Dia. | $2 \quad 10.95$ |

## PROTECTIVE MOUNTING ENCLOSURES

Protect against damage from falling mortar, dust, rodents, etc. 22 ga . steel welded construction. Exteriors are rust-prooted with zinc chromate; interiors are heavily under coated to prevent resonance. CP series used
 for new constructlon. XCP for existing ones. P875X for either, Shipg. wt.: Types CP1012, XCP1012-8 ibs.; CP84, $\mathrm{XCP8A}, \mathrm{P} 875 \mathrm{X}$. CW.8-344 lbs.; CP.6, XCP-2!; lbs.; P22X-1 lb.

| Stock No. Type | Fer | 1.5 | 0.0. | Oepth | Met |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 44 P 50086 CP-6 | AL6.A. AS6.A | $7{ }^{\circ}{ }^{\circ}$ | 111/4* | 47\% | 3.67 |
| 44 P 50094 CPg4 | A18.A, RS8-A, M8 | 8\% ${ }^{\text {c/ }}$ | 1315* | 414" | 4.21 |
| 44 P 50102 CP1012 | AL12-A. RS12-A | 121/3 | 1712" | 710" | 8.45 |
| 44 P $50110 \times$ XP6 | AL6-A, RS6-A | $7{ }^{\text {\% }}$ | 10\%" | 42\%" | 3.68 |
| 44 P $50128 \times$ XP84 | AL8-A. MSE-A, M8 | 859 | $1134^{\prime \prime}$ | $4 Y_{4}^{\prime \prime}$ | 4.07 |
| 44 P $50136 \times$ XPP1012 | AL12-A, RS12-A | 125** | $16^{\circ}$ | 7 | 9.32 |
| 44 P 50177 P875x* | ALB A A, RSB-A. M8, ADS80-P, CR8O.P | - | - | 34. | 3.76 |
| 44 P 50185 P22x** | 135P | - |  |  | 3.05 |
| 44 P 50227 CP. 200 | CW. 8 | $10^{\circ}$ | 134** | 5 | 5.71 |
| - Size 873x83*" | Size 6V4x4" |  |  |  |  |

Type Ma- Square steel type. Designed to match and replace standard $12 \times 12 \times 1 / 2^{\prime \prime}$ acoustic tite blocks. Permits a completely hidden speaker system - for $8^{-}$speaker mounting hardware is furnished Baffle is zinc chromate undercoated and finished in flat white lacquer $12 \times 12 \times 1 / 2^{*}$. FOR PROPER ENCLOSURE SEE ENCLOSURE LISTPROP
PNC.
44 P 50193

## Extension, Outdoor, and TV Remote Control Speakers



## Deluxe LAFAYETTE "Decorator Type" Extension Speaker System

## - Powerful $61 / 2$ " Wide-Range Speaker <br> - Handles Up To 6-Watts Music Power <br> - Handsome Oiled Walnut Wood Enclosure

Our finest quality extension speaker system. Powerful $6 \mathbf{1 / 2 "}$ sich sounding wide-range speaker is housed in a handsomely styled oiled wainut wood enclosure with a decorative black grill cloth. You can enjoy fine hl-fi music everyywhere in your home as well as enhance the decor of your home. Use 2 for stereo or place these systems in every room of your house. Also ideal for use in backeround music systems in ofices and restaurants. Handes up to 6 -watts. Impedance 8 ohms. Size: $71 / 2 \mathrm{~W} \times 92 / 4 \mathrm{H} \times 5 \mathrm{Li}{ }^{4} \mathrm{D}$. Imported 99 P02032w shog. wt.. 5 tk lbs.

## MISCO Weatherproof Speakers



- 31/2" and $8^{\circ}$ Models
- Gimbal Type Mounting Bracket - For Patio, Paging, or Mobile Applications
Model M5.3.3日B. Compact. weatherproof, dustproof. Ideal for use to moblie communications, for intercom paging, and as an extension speaker. Can be immersed in water. Power rating 3-watts. Resp: 100 to $10.000 \mathrm{~Hz}: 8$ ohms imp. $44 / 2 \times 448 \times 298$ with bracket. Wt., $17 / 4$ lbs, 44 P 52017

Net 6.30
Model MMS-aF. Similar to above but win $8^{\prime \prime}$ speaker. Power rating 8 watts. Resp: $70-13,000 \mathrm{~Hz} .9 \times 9 \times 4 \mathrm{~V}_{4}^{\circ}$. Shpg. wt., 5 lbs 44 P 52025
Relax with music outdoors at patio, porch or poolside. Prewired with $25^{\circ}$ cable for easy connection to radio, phono or hi.fi system. Unaffected by dampness or rain. Durable steel enclosure with bakedon finish. Convenient, step-saving volume control. 8 ohms; 20 watts oeak; $40-15.000 \mathrm{Mz}$.: $10 \% \times 10^{7 / n R 534}{ }^{\circ} \mathrm{D}$. Shpg. wi., 7 ios 44 P 33058 W $\qquad$ DELUXE VERSION of above with heavy-duty speaker featuring 1002. ceramic magnet and co-axially mounted high-frequency cone for 35-19,000 $\mathrm{H}_{2}$ response. 15 watts normal, 30 watts peak. 44 P 33066 w Shpg. wt., $71 / 4$ lbs.

LAFAYETTE Extension
Shelf-Speaker System


## - Attractive Walnut Finished Wood Cabinet

Ideal is an extension spealker for your den, basement, tiltehen or bedroom. Use iwo for stereo or with your TV and Radio. Housed in - besutiful walnut finished wood cabinet. 5-watt $4 \times 6^{\prime}$ speaker is designed to wort. from either 4. or 8 -ohm output. Supplied with 25 feet of cable. Size: $91 / 2 \times 7 / 4 \mathrm{x}$ $31^{\circ} \mathrm{D}$. Imported. Shpg. wt., 3 lbs.
s) P45502
.Net 8.95

## LAFAYETTE 4" Paging Speaker System

 Only $5^{29}$ - Includes 25-Ft. Speaker Cable With PiugFor use in multi-speaker low power paging systems, intercom systems, auziliary bench speaker, etc. 4" PM speaker with heavy mag. net. Mounted in 2 -tone walnut and black wood baffle. The baffle has sloping-front and enclosed-back acoustic construction and has 25 bultt-in jack for plug. in connection of the 25 ${ }^{\circ}$ cable and plug supplied. Speaker voice coll is 4 ohms. Size: $5 \mathrm{~W} \times 5 \mathrm{5} / \mathrm{H}^{\circ} \times 314 \mathrm{O}^{\circ}$. Imported. Shpr. wt. $11 / 2$ lbs.
99 P 45510

## LAFAYETTE Extension Wall Speaker System



- 6" Speaker
- Oiled Wainut Wood Finish
- Volume Control
Fine sounding ano handsome looking extension speaker system with brachets for hank. ing on any wall. Outstanding tonal quality from a wide-range $6^{\prime \prime}$ speaker makes it ideal for HI-Fi extension speaher use. Features volume control. Exceltent for P.A. and pag. $\mathrm{ing} .9 \% \mathrm{HH} \times 9 \% \mathrm{hW} \times 4^{\circ} \mathrm{D}$. $\mathrm{Imp}: 8$ ohms. Imoorted.
99 P 45494 Shpg. wt., 3 lbs. ....Net 9.95


## Deluxe 2-Way Remote Control TV Speaker

## Only <br> 



- Contral Both TV Set Speaker and Remote Speaker From Your Armchair
A large $4 \times 6^{\prime \prime}$ full-range speaker mounted In a larger cabinet for improved tonal qual. Ity. With 2 fader controls so that you may listen to either the TV speaker, this remote speaker, or both be lended to the volume level you desire for each. You can turn off volume an both speakers without turning off the set. Attractive walnut finished cabinet which measures $93 / 4 \mathrm{~L}, 6 \mathrm{M} / \mathrm{H} \geq 33 / 4{ }^{-} \mathrm{D}$. Complete with $20^{\circ}$ of cable. Imported. Snpk. Wt., 3 lus. 99 P 45965


## LAFAYETTE Desk Type Extension Speaker System



- Walnut Decorator Baffle with Cane Grille
Versatile extension speaker sultable for desk or shelf use. Attractive irt-angular shaped, ulled walnut finished cabinet. Powerful 4: $6^{*}$ oval speaker provides fine tone. Complete with volume control and 22 ft . of wire. Impedance 8 ohms. Size: $77 / 4 W \times 5 / 4 H \times$ $51 / 2=0$ (at the base). Imported. Wt., 2 lbs. 99 P 01216 Net 7.05
PICTURE-THIN Extension NEW! Speaker System


Only $10^{* *} \times 15^{*} \times 344^{*}$ deep! As easy to in. stall as hanging a picture. Features widerange $5^{*}$ high-compliance speaker with 5.5 0r. magnet. Power handling capacify: 12 watts. Rich walnut wood finish cabinet. Im. pedance 8 ohms. ShPg, wt., 7 lbs. 44 P 33074 W

Net 14.95

# Mixers-Preamps-Equalizers 

## LAFAYETTE TRANSISTORIZEO STEREO/MONAURAL MIKE MIXER <br> $10^{19}$ <br> - Up to 4 Input Channels <br> - Matches High Impedance Mikes

In monaural position, can be used to control up to four different signals into a single output. In the stereo position. it can be used to feed two separate signals into each of the lefi and right out. puts. Each mike control independent of the other, permits tading of one input while Increasing others. Controls high impedance microphones, recorders, phonographs or tuners. Output jach fits standard RCA type phono plugs. Inputs are siandard 2 -conductor phone plugs. Less battery. Size: $6 \mathrm{~W} \times 2 \mathrm{Y} / \mathrm{HH} \times 31 / 2^{\prime \prime} \mathrm{D}$. Imported.
99 P 45635 Shpg. wt., $11 / 2$ lbs.
Net 10.79
99 P 60212 Battery for above
Net 31

## LAFAYETTE SOLID STATE STEREO MIXER/PREAMP


"All-Transistor" stereo-mixer/preamp! For use with any Dower amplifier not incorporating iow. level inputs for maznetic cartridges. tape heads and low-mpedance microphones. Raises the output of any low level source without affecting the signal.to-nolse ratio. Features: 2-mime, 2 chono, 2 -tape inputs, volume controls lor leftl right channel; equalization switch; power off/on swilch; mode switch; Duiliti $9 V$ DC power supply, or operates off $112 \mathrm{NV} 50 / 60$ Hz AC . Input impedance: 50 K ohms. Output impedance 5 K ohms

99 P 01786 Shpg. wi., 242 lbs.
Net 19.95 99 P 60212 Replacement Battery Net . 31

## BOGEN MOOEL MXGA.T MIXER — PREAMPLIFIER



FEATURES: Any 4 channels may be used simultaneously, each individually controlled for mixing and fading. Connecis to high impedance radio/phono input of any amplifter, tape recorder or microphone. SPECIFICATIONS - OUTPUT VOLTAGE: 2 Volts and 04 volts at $0.5 \%$ distortion; FREQUENCY RESPONSE; $50.20 .000 \mathrm{Mz} \pm$ 2 do : GAIN: Mic -60 db , phono - 20 db ; HUM: -68 db below 5 volt; OUTPUT IMPEDANCE; 2200 ohms; CONTROLS: 2 Mic volume, 2 Mic or phono volume, on-off; SEMICONDUCTORS: 6 transistors. 2 dlodes (all sllicon); POWER CONSUMPTION 1.2 W at 117 VAC. $50-60$ $\mathrm{H}_{2}$ : OIMENSIOWS: $94 / 4 \times 6 \geq 2 \mathrm{H}^{\circ}{ }^{\circ}$. ShDR. wt. $5 \neq 4$ los. 44 P 12201 No Money Down"

Net 52.45

## SHURE LIVEL-LOC CONTROLLER



[^12]
## LaFAYETTE TRANSISTORIZEO MIKE MIXER



Miner controls high impedarice shagals from mites, phonos, recorders or tuners. Standard 2 -conductor phone inputs, standard RCA type phono pin plug output, 9 volt batiery. Imported.
99 P 45353 Monaural Mixer. Shpg. wh., $11 / 2$ lbs.
Net 5.98
99 P 60212 Battery for above
Net .31


The Shure M68 is a fully transistorized professional mixer providing for the utmost flexibility in use. It has four microphone channels plus an auxiliary channel. There are five gain controls (an individual one for each channel) plus a master gain control. There is instantaneous and independent selection of high or low impedance on each of the microphone inputs. Male Cannon type input receptacles. Outputs to match high or low impedance microphone inputs or high imp.g high level auxiliary input. Size: $2 \%$ 天 $11 \%$. $55 \%_{0} "$.
44 P 75588 No Money Down*. Shpg. wt. 5 lbs. ....Net 84.00 m00sL M68FC. M68 above but with female Cannon-type receptacles. 44 P75851Y No Money Down*

Net 90.00
REVEREERATION MIXE
MOOEL ME8RM. Similar to M68FC above, except has built-in adjustable intensity reverb for special effects. Master volume control. Four inputs, and can be combined with M68 or M68FC for more inputs. Jack for use with remote reverb. 28 VDC jack. $40 \cdot 20,000$ Hz . Sire: $21 / 2 \times 113 \times 51 / 4^{\prime \prime}$. For $105-130$ volt AC, $50 / 60 \mathrm{~Hz}$. 44 P 75877 Y No Money Down*. Shpg wt., 8 ibs...Net 117.00

## SHURE STEREO MICROPHONE MIXER



Model M6sif. Designed for use with stereo lape recorders and sound reinforcement systems. It has four dual impedance microphone inputs three switchable to elther left or right channel and the fourth with a pan control. Individual volume controls plus a stereo master volume control. Mono/Stereo switch. Stereo high impedance. high level outputs. 120 VAC or 30 VOC operation. Shpg. wt.. $61 / 2$ tbs. 44 P 76115 Ne Money Down*

Net 114.00


MODEL ME3. For maximum contref flexibility with any hish tevel inpul source. Worts in confunction with the Shure M68 Series mirers. Provides the means for correction of room acoustics, to reduce feedbach, to provide special sound effects, for recording. to reduce stand and stage nolse, etc. Has Vu meter to monitor audio level. Five types of outputs: 600 ohm balanced line, high impedance high level, high and low impedance microphone levels, and headphone jach for monitoring. Variable high pass and low pass 6 db per octave filters. Bass and treble tone controls. Two 30 VDC jacks and an $A C$ receptacle. Frequency Response: $20 \cdot 20,000 \mathrm{~Hz}$. Size: 2 y x 113 K = $5 \%$. For $105-130$ volts. $50 / 60 \mathrm{~Hz}$. AC or 30 VDC . 44P 75844 No Money Down*. Shps. wit. $4 \%$ lbs. Net 96.00

## Best Quality Dynamic and



# Speciality Microphones 

## LaFAYETTE Entertainers Mikes

For Musical Instrument Amplifiers

## (A) CARDIOID OYNAMIC MIKE

A supert dynamic microphone designed for applications where location of performer in relation to speakers causes feedback and reverberation. Highly directional cardoid pattern. Oual impedance: 50 K or 600 ohms, selectable by switch. Response: $100 \cdot 10,000 \mathrm{~Hz}$. Mylar dlaphragm. On/off switch. Modern design. satin chrome finished die-cast case. For hand-held or stand use. Size: $81 / 2 L \times 11 / 2^{\prime \prime} 0$ head. With swivel stand adaoter and 20 ff . detachable cord with phone plug at other end. Imported. Shpg. wt., 13/4 lbs.

## 99 P 46294

Net 14.75

## (B) DELUXE BALL DYNAMIC MIKE

## - For Hand and Stand Use

Modern design features dual impedance-High 50K ohms, or low 250 ohms. Omni-directional, $100 \cdot 10,000 \mathrm{~Hz}$. Has on-olf switch. Ball screen insures against "pop" and wind blast. Die-cast, finished in satin aluminum. Size: $6 y_{4}{ }^{* \prime}$ long, max, diam, of ball $2^{1 / n^{\prime \prime} \text {. Complete with }}$ detachable 20 ft . cable and phone plug. Black metal desk stand and
 99 P 46203

## LAFAYETTE FM WIRELESS MICROPHONE

A transistorized FM transmitter and microphone which transmits up to 150 feet with perfect clarity to any 88.108 MHz FM recelver. Has hundreds of practical uses-for entertainers and theatrical productions, in-plant communications, baby sitting, inventory and survey situalions and many other remote sound pick-up applications with. out interfering connecting cables. Has sensitive built-in microphone and is fully shielded against interierence. Approved by FCC. Tunable from 88-108 MHz. Operates on inexpensive 9 V transistor battery (not supplied). Compact: $43 / 2 \times 1 \times 1^{\text {² }}$. Lightweight: only $31 / 202$. Includes antenna, tuning taol and operating instructions. Imported. Shpg. wt. 10 oz.
99 p 45391 Net 19.95
59 P 60212 9V Battery- 1 required

## LAFAYETTE DYNAMIC PA MICROPHONE W/SWITCH

The pertect companion microphone to the solid state moblle PA amplifier. Features a high impact styrol case, hane. up clip and flexible single conductor shielded cable. omnidirectional pattern mike has output im. pedance of 300 ohms and output level of -73 db at 1000 cps. Frequency Response: 3002500 cps. Grey and black case with push-to-talk switch. Imported. Shipg. wt., $13 / 4 \mathrm{lb}$.
${ }_{59}^{1 / 4} \mathrm{P} \mathbf{4 5 7 7 5}$

## LAFAYETTE PA DYNAMIC

 An excellent general purpose dynamic microphone for PA and paging, etc. Designed for flexibility in use, it may be hand-held, mounted on any the". 27 stand. Frequency range $100 \cdot 10,000 \mathrm{~Hz}$. Output -58 db . high impedance ( 50 K ohms). Omnidirectional pick. up pattern. Has on-off slide switch. Gleam. ing black body with chrome head. Tapared body size $63 / 4^{\prime \prime}$ long, max. 0.0 . $11 / 4^{\prime \prime}$. Complete with $41 / 2 \mathrm{ft}$. defachable cable with milke connector. adapter for stand mounting. Imported. Shpg, wt., $11 / 2 \mathrm{lbs}$. 99 P 46369Net 7.95

## LAFAYETTE 3-WAY

## DYNAMIC

Uni-directional microphone has cardioid palterm. Encellent for general use wherever feedback or unwanted pickup is a factor. May be hand-held, slipped into its own dest stand or used on lavalier cord. Frequency response $200 \cdot 10,000 \mathrm{~Hz}$., output -61 db . High impedance ( 50 K ohms). Case is high impact plastic finished in blue and gray. Chrome plated desk stand. Really " Fl y . weight". mike measures onty $3 \mathrm{~s}^{\prime}$ " $\mathrm{Lx} \mathrm{l}^{\prime \prime}$ max. diam. Complete with 5 ft . cord. stand and lavalier cord. Imported. Shpg. wi., $1 / 2 \mathrm{lb}$.

## 99 P 45866

.Net 7.95

## LAFAYETTE HEAVY-DUTY DYNAMIC

An especially rugged dynamic microphone featuring a wide response of $100 \cdot 10,000 \mathrm{~Hz}$. and output of -55 db . Migh impedance ( 50 K ohms). Omnidirectional pattern. On-olf slide swifch. Very heavy die cast case. Finished in satin chrome. Mounts on any standard sis" 27 stand. Size: $4^{\prime \prime}$ tralxi. With 18 ft . detachable cable with mike plug on one end. Imported. Shpg. wt., 2 lbs. 99 P 45908 ................................Net 10.95


## 3 <br> <br> Economy Mikes and Miniature Mixers

 <br> <br> Economy Mikes and Miniature Mixers}

TINY CRYSTAL MIKE


- For Oesk-Top, Hand-Held Use
- Full - 55 D8 Output Level
- Excellent Frequency Response

An attractive, specially engineered general purpose crystal mike for destetop or handheld use. Excellent frequency response. Output level - 55 db . Only $15 \mathrm{~s}^{\circ}{ }^{\circ}$ in diameter. Includes 5-ft. of shielded cable for connection to tape recorders. public address ampllfiers and radios. Chrome plated stand. Imported. Shpg. wt., 6 uzs.
99 P 45437
Net 2.48

## LAFAYETTE MINIATURE



A sensitive general purpose crystal micro phone designed to attach to your lapel for situations requiring both mobllity and the full use of both hands. Only 1 sa" in diam. eter. Excellent frequency response. Output level -55 db . Chrome plated case and clip for attaching to lapel. Includes 5 ft . shielded cable. Imported. Shpr-wt., 4 oz.
99 F 45106
Net 1.55

## MIKES \& CARTRIOGES

## (4) miniature otmamic mike

Rugged-metal encased-to resist mechanical shock and varjations in heat and humidity. Measures only $1 \mathrm{~K}_{0}{ }^{*}$ dia. x $5 / 16^{\circ}$ thich. High sensitivity in the voice range. Frequency response 300 to 5000 iiz . 000 ohm impedance. Output -73 db. Includes 4" flexible lead terminals. Imported. 2 oas 99 P 45270 Net 2.16
(B) SUBMIWIATURE CRYSTAL MICROPHONE An extremely sensitive and small crysial microphone similar to the round types but for replacement use in hearing aids where a rectangular shape is required. Measures $17 / 21 \times 1 / 4 *$ deep. Imported. Shpg. wi.. 2 ozs. 99 P 45189

Net 1.29

## (C) CAYSTAL CARTRIDCE

Crystal microphone cartridge with heavy flexible rubber cushioned rim designed for speedy, economical repair. Replacement for Astatic, Shure, and many other popular microphones. Overall diameter $2^{\prime \prime}$, depth $1 / 2^{\text {* }}$. Output -52 db . Excellent frequency response. Imported Shpg, wt., 3 ors.
99 P 45130


60 Lavalief Cord and Bracket and Floor Stand Adapter Designed for every possible type of mounting, this stim mike may be hand-held, mounted on the desk stand, used as a chest mike with the lavalier cord and bracket, or mounted on any standard $5 \mathrm{~s}^{\sim}-27$ moor of desk stand with adapter supplied. Good clean eproduction. Frequency response $50-9.000$ Hz . Output, -65 db . Equipped with on-of switch which may be used as press-to-tallh or locked into "on" position. Brushed aluminum body is $5^{\circ}$ long with $54^{-3}$ cord. Blach oval base is $33 / \mathrm{al}^{\prime 2} 2 /^{\prime \prime} \mathrm{W}$. Imported
99 P 45874 Shpg. wt.. 1 ih.....Net 5.60

## LAFAYETTE MINIATURE AUDIO MIXERS


(B)
A) Performs any mixing operation where 2 high impedance input channels are connected to a single. mixed high impedance input channel. Each input has its own level zontrol. Momentary switch protects speak or while inserting into system. Snielded. chrome plated housing. Has 2 RCA-type fe male input jacks and an RCA-type male phono plug output. $23 / 4 \times 13 / 4 \times 7 /{ }^{\prime \prime}$ overall. Imported. shpr. wt., $1 / 4 \mathrm{lb}$.
+e P 10134
Net 2.29
(b) Same as above except output is standard phone plug, $31 / a \times 1 \% / 4 \times 11 \%^{\prime \prime}$ overall. Imported Shpg. wt., i/t lo.
99 P 10142
Net 2.39

input mi-impedance miners Record sound
-impedance mixers, Record sound on-sound. Record music direct and dub your voice at the same time. Record from 2 milkes at once. Separate gain controls for each channel allow fading. Shielded housing. Size: 2terl'3xalhe". Shpg. wt 6 ars.
Type 310. Two 2-cond. phone jach input: to 2 -cond. phone plug output.
24 P 88656
Net 5.8 .
Tyoe 311. As above but has long output plue to fir recorders with recessed jachs.
24 P 89674
Net 5.88
Type 313. As above but with short Revere plugs and jacks for std. or short phone plugs for all Revere/Wollensak recorders.

## $24 P 82518$

Net 5.80
Type 320. Mate mike connector inputs and female mithe connector output
24P88659
Net 5.8

# RECORDING - MUSICAL NSTRUMENT - CONDENSER MIKES <br> LAFAYETIE RECORDING MICROPHONES <br> LAFAYETTE MUSICAL INSTRUMENT MICROPHONES 



## DELUXE GUITAR MICROPHONE

- Individual String Controls - 2 Pickups Tone Control - 2 Volume Controls


## (A)LAFAYETTE PROFESSIONAL DYNAMIC

- Specially Designed for Transistorized Recorders Recummended for all high qually recorders and particularly solidstate units. Has a wide frequency response of $80-15,000 \mathrm{~Hz} \mathrm{High}$ impedance (10K ohms) with an output of -65 db . Die cast satin-black body with aluminum trim. Slim tapering design. May be hand held, used on desk stand supplied or mounted in any $5 \times{ }^{5}=-27$ stand. Black stand with aluminum trim. Mike is $51 / 2^{\prime 2} \mathrm{I}^{\prime \prime}$ dia. with 8 ft . attached cord and standard phone plug. Stand is $44 / 3 \times 21 / 2^{*}$. Imported. Shps. $w t ., 1$ lb.

Net 16.95

## (B) LAFAYETTE DELUXE DYNAMIC

For fine recording and general use, this silm beauty may be hand. held, placed on its own desk stand, used as a lavalier mike or mounted on any standard $5 / 8^{m} \cdot 27$ stand. Omnidirectional patterm gives wide coverage. Wide range response from 100 to $10,000 \mathrm{~Hz}$. Dual impedance: 50K and 250 Ohms. Output -64 db . All metal. Die case base and mike finished In handsome satin-chrome. 5 ft. cable. Mike only $3 \%^{\prime \prime} \mathrm{L} \times 3 / 4^{\circ}$ diam. Stand $3 \% 0^{-} \times 2^{1 y^{\prime \prime}}$ with stand, lavalier cord and bracket and stand adapter, imported. Shpg. Wt.. 1 lb. 99 P 45924
.Net 9.35


Only
31/4" Long
(C) LAFAYETTE STANDARD DYNAMIC

An outstanding value, this featherweight dynamic microphone is attractively styled in a tapering design, and linished in handsomely contrasting black with aluminum trim. If may be hand-held or used on the small desk stand supplied. The omni-directional pattern pleks up sounds from all sides. Assures wide coverage. Impedance is 10,000 ohms. Frequency Response is 70 to $9000 \mathrm{~Hz} \pm 7 \mathrm{db}$ and the output is -67 db . Has a built-in on-off switch. Comes complete with 6 ft . cord with standard phone plug. Size: $61 / 2 \mathrm{~L} \% / /{ }^{\prime \prime}$ " diam. Imported 95 P 46161 shpg. wi., I lt.

## (D) LAFAYETTE TINY DYNAMIC MIKE

## - For Solid State Recorders

This is an excelient quality dynamic microphone which may be set on table or desk top or hand held. Impedance is 600 ohms and is designed for use with solld-state recorders requiring reiatively low impedance dynamic microphones. Used with many lafayette recorders. Size is $31 / 4 \mathrm{~L} \times \mathrm{m}^{\circ} \mathrm{O}$. Supplied with 5 ft . of cable terminating In standard phone plug. Imported. Shpg. wt., 8 oz. 99 P 46302

Net 5.95

## LAFAYETTE REMOTE CONTROL CASSETTE MIKE



Remote control dynamic microphone for table 100 or hand use. Impedance is 200. 600 ohms for cassette recorders requir. ing low Impedance mikes. Response: 100 to $9,000 \mathrm{~Hz}$. Was on-of switch. Size: $41 / 2 \mathrm{~L}$ $x \geqslant-$ dia. With 5 ft . cable terminating in dual miniature plugs for mike and remote control. Miniature $\mathrm{l}_{\mathrm{i}} \mathrm{s}^{-1}$ and subminiature $\mathcal{K}_{\boldsymbol{\prime}}{ }^{\prime \prime}$ plugs fit most cassette record. ers. Complete with prop stand. Imported. Shpg. wt., 502

Net 4.35
This unusuat microphone gives the utmost in versatility of tonal effects. Each of the 2 sensitive magnetlc pickups has 6 adjustable heads so you may vary the power of each individuat string. Each pickup has its own separate volume control. Combining these with the overall tone control makes avadiable an almost infinite adjustment of sound for any requirement. Comes complete with 6 ft . removable cord with mike plug at one end and standard phone plug for amplifier at other. For $F$ hole guitars. Size: $10 \frac{1}{2}$ long. With bracket and mounting accessories. imported. Shpr. wt., \$/ 16.

## 99 P 458.33

Net 9.95

## ROUND HOLE GUITAR MICROPHONE

For use with Spanish gultar, ukuleles or other round hole instruments. Magnetic pickup with 6 adjustable heads so you may vary the power of each string. It has separate tone and volume controls. 7 ft . cable with standard phone plug for musical amplifier. Finished in blach and gleaming nickel. Simple to mount, easlly adjustable. Imported.
99 P 46351 Shpg. wt., 1 Ib. ....Net 7.15

## MUSICAL CONTACT MICROPHONES

Easily attached to all stringed instruments. Provides rich reproduction. Clamp slips un der sounding board cutout. With 8 ft cable. $13 \mathrm{~m}^{*}$ long. Imported. Shipg. wt. 4 oz.
99 P 45767 with volume control ... Net 2.15
HARMONICA CONTACT MICROPHONE

This is a fine quality, sensitive, crystal contact microphone with a high output that is especially designed to fir harmonicas. Instaltation is simple. It is sturdity buitt and
 with 7 ft . shielded cable. 1mported. Shpg. wt., 302.
99 P 45163
...Nef 1.60

# 160 

## ELECTRO-VOICE ELECTRET CONDENSER NEW! <br> MICROPHONE $75^{00}$

## MODEL

- Self-Powered FET Circuitry
- Cardioid Unidirectional Pattern

This E-V Model 1751 electret condenser microphone is suitable for protessional recording, high quality PA and discriminating home recordings. Cardiold single 0 design emphasizes close.up bass use. Mas $60.15,000 \mathrm{~Hz}$ response, -43 db output level, on/ off switch and built in pop filter. Output impedance is balanced 150 ohms. Rugged aluminum case with anodized beige finish. Powered by inexpensive AA cell (nol supplied) with 1200 hour battery life, 18 -ft. shielded cable. Lengith $8^{\circ \prime}$, supplied with clamp stand adapter. Very low shock or handling noise permits hand held use. Shog. wt., 2 lbs.
44 P 25815 Less Battery No Money Down* ......Net 75.00 Long-life $14 / 2 \mathrm{~V}$ "AA" battery (1 required)
99 P 63703
Net 18

## LAFAYETTE Top Performing CB Microphones <br>  <br> CB CRADLE HANO SET <br> Modernize your present fized or mobile CB

## © OYMAMIC CB MICROPHONE

- For Use With Low Impedance Solid State Transceivers
Super elficient low Impedance dynamic microphone. Housed in atractive, professionally styled gray and black, high impact plastic case. fitts snugly in palm of hand. Top-performing colled cord consists of 3 conductors plus shield and terminates in 4 prong miniature plug. Wired for relay switching. Mates directly with microphone input chassis socket of Lafayette He-500. HB-500A. H8-555, H8-525, HB-525A. HB5258. HB-525C, HE-625, H8-23, HE-201. HE-20D, HA-450T, MB-600, and Telsat 23. Size: $356 \times 274 \times 1 \mathrm{k} \mathrm{k}^{\prime \prime}$. Imported
99 P 46187 Shpg wt., $7 / 4 \mathrm{lb}$
Net 7.95


## HOISE CAMCELLING CB MIKE

A high output ( -48 ob) low noise cardioid pattern PTT ceramic mike ezceltent for mobile and base applications. Minimires noise dickup from rear to avoid interference with audio input. Rugzed, high-impact Cycolac darh erey case with 3 conductors (one conductor shielded) coiled cord. Fits comfortably in palm of your hand. Frequency re. sponse 3003000 Mz . For use with lube. type ce equipment. Whth hang-up clip. less plug. Shpe. wt., \% th.
44 P 45011 $\qquad$ Net 7.69

Miniature Microphone Plug. For connection to Comstat $19,23,25,25 A, 258$, HB-444. A. and Comstat 23 Mark V. Mark vi. Imporied. 99 P 62630

Net 1.59 MICRDPHDNE MOUNTING CLIP
slandard microphone mountine clip. Accommodates most stud mounting CB and Ham mierophones. Attaches to metal case or dash board with 2 screws.
Shpor. wt. 3 ot.
99 P 3184
Net 50

## [C] CB BASE STATION CERAMIC MICROPHONE

For tube type CB transceivers. Efficient, attractive high impedance desh ceramic microphane. With convenient push-10-talk button plus lock-switch for prolonged transmission. 3-conductors plus shield for normal relay or electronic switching. 3 Jan $53 / 173 / 4^{\prime \prime}$. Imported. Shipg. wt., $21 / 2$ ibs. 99 P 46070 Less plug ...........Net 13.75

Miniature Microphone Plus. For connection to Comstat 19, 23, 25, 25A. 258, MB-444. A. and Comstat 23 Marm $v_{0}$ Mark vi. Imported. 99 P 62630

Net 1.59

## (D] BOOM MIKE/HEAOSET

Frees hands for safe driving. Pertect answer to your CB and Ham mobile needs. For use with vox or foot switch for transmitrecelve changeover. Lightweight and comfortable with 8 -ohm earphone. Crystal mike for high output and fult modulation. Boom and head. band adjust to indiliduat preference. Mike mounted on swivel. Findshed in chrome and two tone plastic. With 5 ft ., 4 -conductor cable. Imported Shpg. wt., 13 oz .
for tube transceivers
99 P 25652
Net 5.98

## MAGNETIC MICROPHONE HOLDER

- For CB, Ham and 89응 Commercial Mobile Radios


Euher ctip to microphone for ready-to-use magnetic mike or attach to any steel surface and slip microphone in halder. Fits most microohones, Im. ported wis 402.

- Pusses
station with these telephone style handsets. Attaches to dashboard. side of unit or wall of fixed station. Switch in the cradle auto matically disconnects the speaker when the handset is lifted. The microphone is activated by means of a push-bar, push-tolalt switch. ldeal for use in heavy Pratic. Ioud background nolse area, at home or in the office for privacy. Shpeg. wt. 2 lbs.
For Solid State Jranscelvers
42 P 65039
Net $\mathbf{2 6 . 5 0}$
for Tube-Type Transceivers
42 P65047
Net 26.50
Microphone plug for connection to solid state H8-500, A. HB-555, HB-600, A. HB-525 A, B, C, D, HB-625, HE-20T, M823., Telsat 23. 50. 150, Micro 12. Imported.

99 P $623^{8}$ $\qquad$ Net 1.08 Speaker Plug for insertion into external phone/speaker jack. Imported.

## 99 P 62101

.Net 27
Microphone plus for connection to tube-type Comstat $19,23,25,254,258,48-444, A$. Comstat 23 Mark V. Vi. Imported.
93 P 62830 $\qquad$ Net 1.59
Speaker Plug for insertion into external phone/speaker jack. Importied
99 P 8218
Net 32

## [F] "MITY.MITE" CB CERAMIC MICROPHONE

Ceramic microphone eapertly designed and professionally styled for real performance. Fits snugly in paim of hand for eifortless operation. Features a "tong life" ceramic element. Three conductors plus stield con. nected for elecironic switching. Includes instruction sheet for conversion to relay switching. For all high impedance input CB transceivers (fube type). Migh impact plastic case and 4 foot coiled cord. InI $1 / 43 \mathrm{M}^{\prime \prime}$. 59 P 45791 Wt. 9 oz. Imported Net 5.50 Miniature Microphone Plug. For connection to Comstat 19. 23. 25, 25A, 258, H8-444. A. and Comstat 23 Mark V. Mark Vi. Imported.
99 P 62630
Nel 1.39

## MEW! MODEL T-UG8 STAND

Permits use of the popular Astatic D-104 mike with transistorized equipment with im. pedance match and gain control for full modulation. Printed circuitry uses rugged silicon Iranslstors. Internal slide switch for choice of reiay or electronic type control. Powered by ineapensive 94 battery supplied. Moise free silyer contacts. Mas coiled cord conductor cable. Shpg. wt. 3 los.
44 Pl4is ..Net 23.37
Replacement 9 V Long Life Battery. wt., 3 oz. 99 P63729

## MDDEL T-UG9 0104

The 0104 microphone with the T.UGS stand for use with transistorized amateur of CB equipment. Microphone and stand described in this section. Shog. wt. 3\%/ los.
44 P 14124 No Money Down* Net 39.00 TG MOAPYOR KIt. Mic preamp kit adapts Astatic G grip-to-talk stand for use with transistorized equipment.
44 P 14132 Shpg. wt., 6 oz. ....Net 5.04 TU AOAPTOR KII. Mic preamp kit adapts Astatic UGB stand for use with transistorized equipment.
44 P 14140 Shpe. wl., 6 oz .....Net 4.35
Used extensively by radio amateurs for ifs high intelligibility and "punch." Responds with rising characteristics from 500-4.000 Hz. Migh output sealed crystal element. Out. Dut level - 46 db . Chrome ilnished mesh grifle and body. With 5-1t. cable and adaptes to $56^{6 \prime}-27$ thread. Shpg. wt. $17 / 4 \mathrm{lbs}$.
44 P 14017 Less Stand
MODEL C0-104. Same as 0.104 except with grid-to-talh stand. SPST switch.
44 P 14025 Shpe. wt., 3Va lbs. Net 30.72

MODEL U68 - $\mathbf{D 1 0 4}$
The 0.104 microphone with the UG8 grip-totalle stand. Described below. DPgt switeh. 44 P 14033 Shpg. wt. 3v/ Jbs. Net 33.72 MODEL UG8 STAMO
Die cast. all metal with bar activated OPOT leal-switch for elther momentary or "lochon." Two switch sections. Noise free, sitver contacts rated up to 3 amp DC. a terminals for connections. 6 It \& conductor cable. Chrome and gray. $542^{\prime \prime}$ diam. I $8566^{\prime} \mathrm{M}$. 44 P 14041 Shpg. wt. $21 / 2$ lbs. Net 17.97


MODEL 0.104 MICROPNONE

## Turner Microphones


" $M+2 / \mathrm{U}$ " MOBILE MIKE increases sidnal strenth and range. Frequency 3003000 Mz . Preamp has volume control on rear to adjusi modulation for best performance. Complete with battery, dash bracket and 5 ft . colled cord. For sets with relay switching. 44 P 70183 Shpg wt., 1 Wi lbs. Net 30.00 Same for electronic switching.
44 P 70191 No Money Down *... Net 30.00 Replacement TV . mercury battery for above. 32 P 47699

Net 1.50
MODEL M + 3 MOBILE MICROPHONE

- Transistorized Mobile Microphone with Volume Control and Modu-Gard

Transistorized moblie microphone with a compression amplifier circuit which permits full modutation and guard against overmodu. lation. Slide-action control permits volume adjustment for up to 20 db . gain. Ceramic Interior with frequency response of 300 $4,000 \mathrm{~Hz}$. peaked SSB (rising characteristics). Blue and white case with attiactive blue coiled (three conductor, one shielded) cord. Comes with 7V battery and instructions. Shpg. wt., 1 lb .
44 P 70357 No Money Down*..... Net 33.00 Same as above for electronic switching. 44 P 70365 Shpg. wt., I lb......... Net 33.00 Replacement 7 V mercury battery.
32 P 47699 Shpg. wt., 1 oz. ....Net 1.50


A new noise cancelling ceramic mobile microphone with all the most desired professional features. Peaked for SSB response from 200 to $4,000 \mathrm{~Hz}$. to really eut through the ORM. Recommended by experts for today's new AM/SSB transceivers. The nolse cancelling feature really cuts down on mobile background noise caused by passing or oncoming iraffic, truck engine roar. efc. Professional all black case whith soft rubber lip ruard and neoprene colied cord. Shpr. wt., 1 it. 44 P 70373

## MODEL 254C

Attractive ceramic microphone with OPOT push-to-talk switch plus lock switch for fixed station operation-either relay or efectronic switching. 7 foot 3 conductor (one shielded) stralght cable. Response 80.7000 Hz . Output level - 54 db . Gray hammertone finish with chrome frim. $7 \% \times 37 / 854 / 4^{\prime \prime}$ base.
44 P 70035 Shpr. wt., $21 / 2$ lbs. Net 21.00

MODEL "+2"
BASE STATION MICROPHONE

\author{

- Built-in 2-transistor preamp
}

" $+2^{\text {" }}$ BASE STATION MIKE increases signal strength and range! Frequency response of $300-3500 \mathrm{Mz}$. Push-to-tath bar with lockint switch permits normal PTT operation or VOX. Works with alt sets-Relay or Electronic switching! 3 conductor, 1 shield blue colled cord. Finished in blue and chrome. Output impedance 5000 ohms. Battery included. 44 P 70167 Shpg. wt., $23 / 4$ lbs. Net 36.00 Replacement 9 V long life battery for above. 99 P 63729

Net . 49

## Model "Plus-3" Base Station Microphone

- Transistorized Pre-amp Plus Modu-gard


## The "Plus-3" ceramic microphone has a new

 transistorized pre-amp with volume control plus a new compression amplffier circuit which allows user to talk close or far from the mike without varying the output signsl. This prevents mike splat and sputter. Response: 300.3000 Hz .3 conducfor (1 shielded) coiled cord. Touch-to-talk front bar switchink with slide lock when desired. Wiring instructions for over 100 popular transceivers. Shpe. wt. 4 lbs.44 P 70316 No Money Down* Net 45.00 Replacement 9 V . long the battery for above. 99 P 63729

Net .49

## NEW! AM/SSB SIDEKICK 100

- Specifically Designed for Solid-State Transceivers
- Buill-in Amplifier Boosts Gain Up to 40 db Solld.state amplified, base type dynamic microphone designed for solid-state AM or AM/SSB transceivers. Impedance matched specifically to transistorized units for optimum output. Integrated circuit amplifier, with adjustable volume control permits up to 40 do. gain for cutting through hash and noise. Dynamic cartridge is unaffected by temperature and humidity. Frequency re. sponse, 300.3500 Hz . Adapts to either relay or electronic switching. Output tevel: -50 db below 1 v per dyne/sq. cm. into a 100 ohm or more load. Output impedance: 100 ohms. Rugged black diecast base with polIshed chrome face. Push-to-talk switch can be locked "on". 3 conductor cable. Shpg. wt., 4 lbs.
44 'P 70399
..............................Nel 45.00
Replacement long life 9 V battery.
99 P 63729 ...............................Net . 49


## $45^{00}$

No Money Down*


## MODEL 350C

Ideat for CB use. A rugaed push-to-talk ceramic microphone wilred for relay opera. tion. Extra-tough polystyrene case; hanger button and standard dash bracket are included. Also neoprene colled cord. 11 Inch relracied. $5 \cdot \mathrm{ft}$. extended. Output. - 54 db . retracted. $5 \cdot \mathrm{ft}$. ertended. Outpul, -5
44 P 70027 Shpr. ivt. 1 V/4 1bs. Net 10.80
MODEL 454C
Single side band ceramic mike that Is Ideal for hams. Gutput level of - 52 db . Frequency response $300-3000 \mathrm{Kz}$. Push to-tafk front bar plus locking switch gives choice of PT or continuous vot operation. For electronic or relay switching. Complete with colled eord that extends to 5 ft . Size $7 \mathrm{~F} / \mathrm{Hx} 5 / \mathrm{m}^{4 \prime}$ deed. 44 P 70019 Shpr, wt., $21 / 2$ los. Net 24.00

## AEPLACEMENः CARTRIDGES

## Ceramic for " $+2^{\prime \prime}$ " and 360

44 P 70324 Shpg. wi. 3 oz... Net 6.00 Ceramic for "M $+2 / \mathrm{U}^{\text {" }}$ and " $\mathrm{JM}+2 \mathrm{U}^{\prime \prime}$
44 P 70332 Shpg. wt., 4 oz. ... Net 6.00
Geramic for $254 \mathrm{C}, 350 \mathrm{C}$. efc.
44 P 70092 Shpg. wt., 4 oz. ... Net 6.00

## MODEL 766 BALLADIER MUSICIAN'S CARDIOID DYMAMIC

A ball screen styled cardloid dynamic micro. phone designed speciflcally to reproduce the high volume sound of today's musical rroups. Ercellent cardlold performance accom. modates high levels without feedback. A high impedance microphone with $40 \cdot 15.000 \mathrm{~Hz}$. frequency range. Has on olf switch; buill-in blast filter to eliminate "pop" "howi" or wind nolse. Rugged stand adapter for In-hand on onstand use, Removable 20 it. cable with phone plug. Meavy-duty chrome finish. Packaged in individual carrying case. Shpr. wt.. 3 lbs .
44 P 70381 No Money Down* Net 45.00 MODEL 866 CARDIOID DYMAMIC
Cardioid dynamic type; high impedance. An excellent sounding mike for music and home recording. Minimum feedback, Response 100 $13,000 \mathrm{Mz}, 20 \mathrm{ft}$. cable and plug. With car. rying case. Shpr. wt., $2^{12 / 2}$ lbs. rying case. S

# SHUEEE Microphones Broadcasting-PA 



## SHURE 5A5SD "UNIDYNE III"

Slender dynamic unit with completely symmetrical unidirectionsl pattern. Performs in difficult applications without feedbach and sound boom. Acclalmed for its natural reproduction of human volce. Features a new built-in long life magnetic reed "on-off" switch. 50 to $15,000 \mathrm{Mz}$. Dual impedance. Oupputs: $50-250$ ohms. -57 ob; Mi-Z. -55 db. Chrome, black, swivel adapter, 15 ft . 3-cond cable with professional three-pin audio connectors at microphone end of cable. $51 \mathcal{K}^{\prime \prime} \times 13 / 4^{\prime \prime}$ dia. Shpg. wt., $21 / 2$ lbs.
44 P 75984 No Money Down* Net 61.20
Model 545. As above, but, without "on-olf" switch. Amphenol type connectors.
44 P 75059 No Money Down*. Net 57.60
Model 545L. Similar to Model 545 above, but designed for high quality lavalier applications and can also be used as gooseneck mounted or hand held. Low Impedance only 20 ft . non-detachable cable. Shpg. wt., 2 lbs . 44 P 76180 No Money Down Net 48.00
Model 545s. As above, but with swivel mount contained "on-of"' switch. 44 P 75042 No Money Down Net 61.20
MODEL 54550-CN. Same as 54550 but with a prowired male connector on the amplifier end of $20^{\circ}$ cable
44 P 76123 No Money Down* Net 64.20

## "UNIDYNE IV"

MODEL 548SD. This member of the Unidyne family of feedback free unidirectional dy namic microphones offers remarhable ruggedness and performance features such as a new long-llfe magnetlic reed "on-off" switeh incorporated into the case, improved shock mounting; wind, pop and blast filters: professional 3-pin audio connector; high flexibility cable, etc. Frequency: $40.15,000$ Hz. Dual (high and low) impedance with out. put of -55.5 db , swivel adapter chrome and black case, $15^{\circ} 2$-conductor detachable cable.

44 P 75992 Shpge wi., $24 / \mathrm{lbs}$. . Net 72.00 MODEL 548. Same as above but less "on. off" switeh.
44 P 75653 No Money Down* Net 69.00 MDDEL 548S. Same as above but with swivel mount contained "on-ofl" swhich.
44 P 75646 No Money Down: Net 72.00 MODEL 54aSD-CN. Same as 548SO but with a prewired male connector on the amplifier end of $20^{\circ}$ cable.
44 P 76131 No Money Down* Net 75.00

## "UNISPHERE I"

MDDEL 565S0. Oeluxe Dall-type pop-proof unidirectional dynamic microphone. Peatures new long life magnetic reed "on-aff" switch Incorporated into the case, dual impedance; fow imp. ( $50-250$ ) ohms output -57 db , high Imp. -55 db . Response; $50-15.000 \mathrm{~Hz}$. Whth swivel adapter and 15 ft .3 cond. detachable cable, with professional 3 -pin audio type connector. Size: 6\}, \%"L 2"D. Shpg. wh., 3 lbs. 44 P 76008 No Money Down* Net 67.80 MODEL 565. Same as above but without "onoff" switch. Amphenol type connectors. 44 P 75547 No Money Down* Net 64.80 MDOEL 5655 . Same as above but with swivel mount contained "on-of" switch.
44 P 75620 No Money Down* Net 67.80 MDOEL 565 SD-CN. Same as 56550 but with a 20. cable terminating in malo connector. 44 P 76149 No Money Down Net 70.80

## "UNISPHERE 8"

Mootl sessa. A dynamic unidirectional mic. rophone with popular ball-type styiling. fea. fures feedback-free cardiold pickup pattern, shock-mounted cartridge, wind, POD and blast filters, lockable "On-Otf" swlich and a professional 3-pin audio connector with $15^{\circ}$ detachable cable. Includes swivel stand adap. ter. Response: $50-13,000 \mathrm{Mz}$. Migh imp. Output: -58 db . Satin chrome. $64 / 2 \times 2^{\prime \prime}$ dia. 44 P 75893 Shpg. wt., 2 ibs. Net 39.00 MODEL salsac. Same as above but with prewired plug end assembly for use as MCIF. MCIM, of phone plug.
44 P 75885 No Money Down Net 40.20 MODEL 5ease. Same as 5885A above, but low impedance. Output: $-59.5 \mathrm{db} .15^{\circ}$ two conductor cable.
44 P 75901 No Money Down* Net 39.00 MODEL S8ESB.CN. Same as 58858 but with a $20^{\circ}$ cable terminating in male connector. 44 P 76156 No Money Down 15 Net 42.00

## "SPHER-O.DYNE"

MDDEL 533SA. Omnidirectionai dynamic probe type. Ideal for entertainers, lecturers. Spherical front with built-In wind, oreath and "pop" fitter $40-11,000 \mathrm{~Hz}$. Migh impedance. Output -55 db . On off switch, swivel stand adapter and 15 ft . single conductor cable. Chrome case. $61 \%{ }^{\circ} \times 2 \%$ " dia. 2 lbs.
44 P 75554 No Money Down* Net 34.20 MDDEL s33SAC. Same but with prewired plug assembly which can be used as MCIF. MCIM or phone plug.
44 P 75711 No Money Down* Net 35.40

## 55SW "UNIDYNE II"

A dependable rugged dynamic microphone for deluze sound systems 50 to $15,000 \mathrm{~Hz}$ response. Unidirectional pickup prevents feedback. Three-way Impedance switch. Output levels: 35.50 ohms. -5500 ; 150.250 ohms, -56 db ; $\mathrm{ht}-\mathrm{Z}$, 55 db . Complete with on-off switch, swivel mount. 15 fl . cable. $7 \%$ n $2 \%, x 3 \%$ ". Wt. $3 \%$ ibs.
44 p 75018 No Money Down* Net 58.80 MOOEL 55S. Same as above, without on-off switeh. Shpr. wt., $33 / 4$ lbs.
44 P 75026 No Money Down * Net 57.00

## "UNISPHERE A"

MODEL 5A5SA. Rugged dynamic unidirectional "pop"-proof unit with wire-mesh sphericat screen. Feedback free. Response $50-13.000 \mathrm{~Hz}$. High impedance. Output - 57 db. Chroms and black case. Has on-off switch, adjustable swivel stand adapter and 15 ft . single conductor shielded coble. Sire: $6 \% \times 1{ }^{11} / \mathrm{he}^{*}$ diam. 2 ibs.
44 P 75521 No Money Down Net 45.00 MODEL 5a5sAC. Same as above but with prewired plug end assembly which can be used as MCIF. MCIM or phone plug 44 P 75687 No Money Down * Net 46.20 MOOEL 5A5SB. Same as 585SA except low impedance, output -59 db and 2 conductor cable.
44 P 75539 No Money Down Net 45.00 MODEL 585 SAV . Similar to 5855 A but instead of on-olf switch has bulit-in volume control to change loudness without adjusting amplifier controls. Shpg. wt., 2 ths.
44 P 75612 . No Money Down* Net 49.80

## "YOCAL SPHERE"

moofl 57580 . Omnidirectional dynamic mic. ropnone with natural and intelligible voice reproduction. Ideal choice for public-address, entertaining, recording, efc. Extremely rugged. Has bullt-in wind and breath noise filters. Lockable "On.Off" switch and a broadcast-tyoe Cannon connector with 20 two conductor detachable cable. Includes swivel sland adapter. $50-15,000 \mathrm{~Hz}$ fre. quency response. Low impedance. Output: -59 db . Satin chrome and gray housing. 63 K 1
44 P 75919 Wt., 2 lbs.
Net 45.00

## "UNIDYNE 8"

MODEL 585SA. Very tow priced unidirectionat dynamic microphone with a hishly effective cardioid pichup pattern which solves feedbact and boominess. Ideal for low budget sound systems. Frequency: $80-13,000 \mathrm{Mz}$. High impedance with output of - 58 db. Mas on-off switch and swivel adapter. 15 ft . single conductor non-detachable cable. Chrome and black case. Size: $1 \% 0 . x 6 \%{ }^{2} \mathrm{~L}$. 44 P 7566 : Shpg. wt., 2 lbs.... Net 27.00 MDOEL SISSAC, Same but with prewired plugend assembly for use as MC1F, MCIM, of phone plus.
44 P 75950 $\qquad$ Net 28.20
MODEL 515SE-c18. 18* goosenech mounted low impedance version of Model 515SA. Ideal for language lab, paging and base station. Features bulit-in on-ofp* push-to-tall switeh which controls microphone and relay circuit. $51^{-}$cable. Sire: $11 / 2 \geqslant$ $25^{\prime \prime}$. Shpg. wt. $2 \frac{1}{4}$ lbs
44 P 76016 No Money Down* Net 31.80
SWIVEL ADAPTER


MODEL AZSB SWIVEL ADAPTER. For Shure models 515, 545. 548. 565. 580, and 588 microphones. For use with standard desk or floor stands. Shpg. wt. 8 oz. 44 P 76164

Net 3.90

## ElectroZoicsPopular Microphones



## 635A

## 664 "VARIABLE D" CARDIOIO DYNAMIC

A cardioid "Variable $0^{*}$ (variable distance) microphone designed for top quality PA applications. Cardioid pattern provides a sig. nificant front-to-back signal ratio to suppress noise, reverberations and feedback. Allows close talking without booming bass, air blasts or distortion. Non-metallic diaphragm is shielded against dust and magnetic particles. Resistant to extreme conditions of humidity. temperature and vibration. Response $60-15,000 \mathrm{~Hz}$. Output level- 58 db . High impedance easily lowered to 150 ohms without tools. Standard $\%$ "-27 thread. Satin chrome finish die-cast case, with ON-OFF switch and 15 It .2 conductor shielded cablé. $17 \mathrm{m"} \mathrm{dia} .714^{\mathrm{ow}}$ long. Shpg. wt., $3 \mathrm{~V} / 4 \mathrm{lbs}$. 44 P 25328 No Money Down* Net 57.00 664G Same as above but gold finish.
44 P 25336 No Money Down Net 61.20 664 A--Same as above but non-reflecting gray finish.
$44{ }^{\circ} \mathrm{P} 25351$ No Money Down* Net 57.00

## 644 "SOUND SPOT" UNI.DIRECTIONAL

 LINE MICROPHONEA combination cardioid and distributed front opening makes this the most directional-microphone ever. Has better than 2.5 times the working distance of pressure types. Cancetlation from the rear and sides exceed 20 db kiving virtually complete rejection of unwanted sound. High reduction of wind nolse and low sensitivity to shock. Smooth response from 40 to $10,000 \mathrm{~Hz}$, high output53 db .. duat high and low impedance selective. Rear diameter $2 \%{ }^{\prime \prime \prime}$, length $16{ }^{\prime \prime}$. Cable is 16 ft . Shipg wt., 3 Va ibs.

## 44 P 25476 No Money Down Net 78.15

## E-V OMNIDIRECTIONAL MICROPHONES



631A HAND AND STAND DYNAMIC
High quality entertainer's microphone, Omni. directional. Ughtwelght, rugged, shockproof. Effective 4 -stage filter allows closeup use without blasting. pops, or distortion. Silent magnefic on.off swltch with removable actuator button. Equipped with professional A3M connector. Satin chrome case. Frequency Response: $80-13,000 \mathrm{~Hz}$. Outputs $-55 \mathrm{db}, 16$ ft . cable. With stand clamp. Slize: $6^{\text {² }}$, $1 \%$ "head dia.. $3^{\prime \prime \prime}$ shank dia. Shpg wt., 2 tbs. No Money Oown *
44 P 25781 Hi Impedance.... Net 38.70 44 P 25799 Lo Impedance .... Net 38.70

## 647A LAVALIER DYNAMIC

Tiny size with big performance $70 \cdot 10,000$ Hz . High impedance. Output level, -60 db 18 ft . cable. Complete with neck cord. Size

44 P 25195 No Money Down Net 57.90

## 676 CONTINUOUSLY "VARIABLE.D"O CARDIOID DYNAMIC

Radically new design brings professional quality to public address, recording, com. munications and other eeneral purpose applications. Continuously "Variable.0" principle assures uniform, symmetrical cardioid pat. tern at all trequencies. Response 60 to $15,000 \mathrm{~Hz}$. Highest discrimination against feedback and unwanted sound. Exclusive 3 position switch offers controlled low.fre. quency attenuation to overcome rumble and feedback when microphone is used at a distance. Slim design-full view of speaker. Use hand held or with stand elamp supplied. Rugged diecast case. Acoustalloy diaphragm. 150 ohms or $\mathrm{Hl} \cdot 2$; impedance changed by new connector (no tools required). Output - 57 db . Satin ehrome finish. $16^{\circ}$ cable. Size: $7 \mathrm{yH}^{\prime \prime}$ long. $x 11^{-1}$ dia. Shpg. wt., $21 / 2 \mathrm{lbs}$. 44 P 25229 No Maney Down* Net 61.35
674 CONTINUOUSLY"VARIABLE D © CARDIOID MICROPHONE

This professional microphone has the exact specifications and all of the features of Model 676 microphone above. except that it has an on-aff switch and integral stand mounting stud instead of stand clamp adap. ter. Shog, wt. 23/4 Hs.
44 P 25724 No Money Down* Net 61. 35
TYPE 502B MATCHING TRANSFORMER

Matches 150 ohm to $\mathrm{HI} Z$ amplifier. Input $30 \cdot 20,000 \mathrm{~Hz} \pm 1 \mathrm{db}$. Size $38,3 \mathrm{x}^{21 "}$ dia, Shpg. wt. . $3 / 4 \mathrm{tb}$ 44 P 25666

Net 11.25

## SHURE MICROPHONE ACCESSORIES

## LINE TRANSFORA畮ERS

For connecting tow impedance mikes to hish impedance amptifiers. Preserves high frequencies and cuts hum pickup in long lines. Built-in MCIF and male Cannon type connectors. Type A95A
44 P 75414 Shpg. wt., 14 oz. Net 12.60 Model Ms5F Transformer. Same as Model A95A except input is female Cannon type. 44 P 76099 Shpg. wi., 9 oz. Net 14.40 Trpe A95P Same as above but with phone plug output.
44 P 75968 Shpg. wt., 11 oz. Net 13.00 Model A95FP Transformer. Same as Model A95P above except input is female Cannon type.
type. 76107 Shpg. wt., 10 oz. Net 15.60


## ISOLATION MOUNT

Provides maximum isolation from mechanical vibrations (over 20 db ) when used on floor slands, desk slands. conference tables. and lecture podiums. for Shure Models 545, 548, 565 and other microphones of having switches mounted in the handle. swivel tocks in tilted positions. Fits standard $5 \mathrm{SH}^{\prime \prime}$ a 27 thread. Shpg. wt. $11 / 4$ lts.
44 F 76172

## 627B ENTERTANEXS DYNAMIC

"Single. $0^{\circ}$ cardioid microphone ldeal for vocalists and other close to mouth applications. Low frequency response is accentuated as working distance is reduced. Equipped with professional A3M connector. Lightweight (8 oz.) ruseed construction with builtoin pap and dust filter. Response: $60-13,000 \mathrm{~Hz}$. Outputi -58 db . High impedance. With is ff . cable and stind adapter, size: $6^{\prime \prime}$ long I $112^{*}$ head dia. Shpg. wt., 2 Ibs.
44 P 25807 No Monev Down* Net 38.70
635A BROADCAST OYNAMIC
A popular design microphone. Omni-directional pick up pattern perfect for use by entertainers and vocalists. For desk or floor stand or hand held use. The rugged steel case is finished in fawn beige matte, light. weight, silm and attractively styled. 4. slare pop and dust filter eliminates need for externa! wind screen. Response: $80-13,000 \mathrm{~Hz}$ (rising). output - 55 db . Iow impedance. Supplied with $18^{\circ} 2$ cond. cable. Convenient microphone size: $6^{\circ \prime}$ Ighr $\times 1$ H/" diameter at microphone size: $6^{2}$ icm
head. Stop wt., 3 tos.
44 P 25591 No Money Down* Net 56.70


## MODEL 444T TRANSISTORIZED base station microphone

- Built-in 2 Transistor Preamp.
- Variable Output Level

Provides optimum performance for CB and other types of communications equipment including $A M$. FM, and single side band. Built-in 2 transistor preamp Increases signal strength. Controlled magnetic type with re. sponse of 200.6000 Hz . Semi-directional. Output level varlable from 2 to 45 mv . Press. to-lalk control bar for locking or non-locking operation. Height adjustable from $9 \mathrm{Ki}_{0}{ }^{\circ}$ to
 cable, Battery Supplied. shipg. wt.. $2 \%$ lbs. 44 P 75604 No Money Down Net 33.60 99 P 60212 Replacement battery... Net . 31

## MOOEL 5755 "YERSAOYNE"

Smooth response from $40-15,000 \mathrm{~Hz}$-rug. ged, Omnidirectional dymamic cartridge. High of low impedance madels. Complete with switch, stand adapter and lavalier cord. For use in hand, on stand, or used as lavalier. Single cond. 7 ft . shielded cable. $41 / 4=\mathrm{lg} . x$ $144^{-}$dia. Wt. 1 lt . High impedance model. 44 P 75174 Less stand Net 16.50 MODEL 57558 "VERSADYME." Similar to above, but impedance: $150-250$ ohms.

## 44 P 75182

Net $\$ 5.00$
IIPE SMAB DEEX STAMD. Round black base for models 575 S and 575 S8 above. 44 P 75208 Shpg. wt.. $11 / 4$ ibs... Net 3.00

# Microphone Stands - Booms - Connectors 

 ATLAS MICROPHONE STANDS AND BOOMSModel wS-10C Full Grip Mike stand. Economical mike stand featuring "Full-Grip" clutch mechanism for fast quiet adjustments without slipping and wear. Functionally designed base assures maximum stability and inctudes self-leveling, shock-absorbing pads plus 3 "anti-lip" points. Full chrome plated tube assembly. Terminates in a ${ }^{5}{ }^{\circ} .27$ thread. Base dia. $10^{\circ}$, flnished in gray shrivel. Height adf., 35 to $63^{\prime \prime}$. Shpg. wt., $103 / 4 \mathrm{lbs}$.

## 44 P 10031 w

Net 0.81
Model MS.12C. As above but heavier and tube extends to $\mathbf{6 2 ^ { \circ }}$. 44 P 10049 Shpg. wt. 6 V lbs........................ Net 9.50 Model MS-11C. As above but with full chrome finished base. 44 P 10056 Shpg. wt., 10 lbs.

Net 11.58
MODEL CS-52. Handsome, slim, low profile $15^{\circ}$ gray base with chrome fube. Helght adjusts from 34 to $62^{\prime \prime}$. Shpa. wt. 10 lbs.

## 44 P 10312

Net 10.62
Model MS.125 "Sieevo-Action" Mike Stand. New mike stand featuring a fully automalic means of height adjustment. To lower the stand. just press on the "Steeve Action" control. To raise the stand, any point on the tube can be grasped. Quiet and smooth action. Mt. 39 to $62 \cdot 10^{\prime}$ dia. gray base. chrome tube. foc-- 27 thread.
44 P 10064 Shpr. $w t_{4}, 91 / 4$ lbs.
Net 19.20 Model C5-32 Demountable Stand, Revolutionary in design. this mike stand is fully collapsible to fit in amplifier or speakeracarrying case. No tools needed. Self-leveling legs are shid.proof. Features "Full. Grip" and "velvet Action." Adjustable from 36 to 64 in. Fulty chrome plated. 5/4"-27 thread. Shpg. wt.. 51/4 tbs.

Model Cs.33. As above but with ht. adj. of $26.64^{\prime \prime}$. Collapses to $22 \mathrm{~V}_{2}{ }^{\prime \prime}$. Shpg. Wt. $43 / 4 \mathrm{lbs}$

Colrapses 10
Net 12.98

Ms-25-Protessional stand, featuring "Safety Mr Lock Cushion." Prevents accidental slippage of telescoping section, smoothiy lowers on cushion of alr. Grey and chrome base. +1 . adj. From $38^{\prime \prime}$ to $67^{\prime \prime}$. Oversize chrome tubing with $\mathrm{s}^{\circ}-27$ adapter. Shos. wt., $28 \mathrm{y} / \mathrm{k}$ lbs. 44 P 10288 ........................................................ 24.00 DS-14-Contemporary motif desh stand. Suits elongated, slim mikes. Gun metal. shrivel base with protective felt paos. $3^{\prime \prime}$ polished chrome

44 P 10296
Net 3.68
Model OS.5. "Velvet Action" Desm Stame. Same quality as floor models. Base dia. $6^{\circ}$. Gun melal sbrivel finish. Fixed ht. $4^{* \prime}$. 44 P 10098 Shpr. wL. 24/ lbs. ........................ 29 Motel OS.7. Like DS-5 but with hit. adj. 8 to 13 . Shpg. wt., 3 libs. 44 P 10106

Net 4.92
Model TS-E. Adjustable Stand. A decorative and Ife appearing stand suitable for use on a banquet table. Features quiet "Full Grip, Velvet Action" control. Adjustable from $1423^{\circ}$ to $26^{\prime \prime}$. Base diameter $8^{\prime \prime}$. Fully chrome-finished base and tube assembly. Shpg. wt.. 53. lbs. 44 - 10114

Net 9.15 Model 85-38. Professional boom stand. Has removable $62^{\prime \prime}$ boom with gyromatic swivel joint to keep mike positioned. "Safety Alp-Loch Cushion" eliminates sllppage. Super chromed tubes adjusi $48^{\circ}$ to 72* Chrome and gun metal base, Shpg. wt., 36 lbs.
44 P 10122W No Money Down*
Net 59.85 Model BS.36w. Same as above but with swivel casters. Wt., 38 Ibs. 44 P 10338 W No Money Down*

Net 67.80 Model 88.1 " "Baby $800 m^{\prime \prime}$ Attachment. Use with any mike stand. 32 " long. St" -27 thread. Chrome plated. All swivel parts are precision die castings. Shpg. wt., $4 \mathrm{~V} / 4 \mathrm{lbs}$.
44 P 10130


ATLAS MICROPMONE ACCESBORIES
 44 P 10247 44 P 10254 44 P 10023 44 P 10437
 tern top Shpg. wt., 8 ar.
44 P 10445

Mlke Flanges And Extension Rods. For neat and perm
nent mounting. Fits $5 *-27$ mithes. Base dia nent mounting. Fits $\$ 0^{\prime \prime}-27$ mikes. Base dia." $14 / 4^{\prime \prime}$. Extension rods, male on both ends. Av. shpg. wi., 8 ozs. 44 P 10155 AD. 12 Male Flange ...............Net .92 44 P 10163 AO-11 Femate Flange ...............Net 90 44 P 10171 AD-8 6" Ext, Rod ...................Net .83 Mile Adapters. For adapting special ittlings. Wt., 1002. AD. 1 H. 27 femate to $1 / 2^{*}$ male thread (hCa) 44 P 10189
A0. 2 H
 $A D-43 / 4$ "long \%*". 27 male running thread 44 P 10213 Net 50 AD-5 the-27 female to \$\%-. 27 female coupling 44 P 10221 cyromatic swivel. Permits any milue to be locked at any angle. $\mathbf{S k}^{-1}-27$ thread. $41 / 2^{*}$ long.

Net 4.47
Model SO.t "Snap-On" Mite attachment, Ouich and safe. For all mikes and stands. Two "Snap-On" sections.
Model L0.2 "Lock-On" for quick disconnect of Net 2.66 stand. Positive lock when on stand pniect of mike from
on release. M023 ...................................................Net 3.15 Model C0-1. Connect on $360^{\circ}$ swivel attachment. Mounts instrument or second microphone to mile floor stand or to table or desk top. Shpe. Wt., 8 oz.

Net 3.51
TM-1 Model TM-1. Twin mierophone mount for installation of
et 62

Net 6.00
?
,
thick. Shpg, wi., 6 ID
44 P 10148
FLEXIBLE GOOSE NECKS

Model CM-6 Goose Neck. $6^{*}$ long for complete adjusiment of mike. $\$ \omega^{*}, 27$ thread Chrome finish. Shpe. wt. 8 oz .
44 P10478 $\qquad$ ..... Net 1.76 Model GN.13. Same as GN. 6 except $13^{\prime \prime}$ lons. 44 P 10262 Shpg wt. 10 oz . .. Net 2.37 Model CN.19. As GN- 13 but $19^{\text {m }}$ long Shpg. wt., $14 / 4 \mathrm{lbs}$. 44 P 10270


Model 1. Versatile mike stand with an extremely tlexible arm , proyiding whe rance of adjustment. Swings out $36^{\prime \prime}$ in any direction. Ideal for use in radlo broadcast or recording studios, offices. alrport, switthboard, theatres, night clubs, schools, hotels. Handies any mike up to 4 lbs. In weight. Clamps of screws to any horizontal or angular surface up to $3^{\prime \prime}$ thick. Shpg. wt., 6 lbs.


## Telephone Recorders and Automatic Dialers

## NEW! COMMAND-A-PHONE Telephone Answering and Recording Machine with Remote Playback

## You Can Call-In For Your Messages From Anywhere In The World <br> ${ }^{549^{95}}$

Never miss an important call again! 24 -hour manual or remote service. You can call in anytime from anywhere and receive an instant replay of your calters' messages by remote control with accessory tone osciliator (included). As many as thirty $30 . s e c o n d$ or fifteen $60.5 e c o n d$ messages are recorded on a $1^{\text {m }}$ continuous loop computer tape. Reserve answering tape announces when recording tape is full. Outgoing messages are recorded (microphone included) on a 20 second lape cartridge (included). Unit can also automatically answer the phome while you are in your office and amplify the incoming message thru a built-in speaker. Can be used as a dictating machine. Size: $14 \times 101 / 2 \times 344^{\circ}$. Imported. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Wt., 20 lbs. 27 P 39027WX No Money Down* .....................Net 549.95 Model Ah-747 Telephone Answering and Recording Machine.
Same as above but without calli-in feature. Shpg. Wt., 20 lbs. 27 P 39001 wx No Money Down" Net 349.95 Extra 20-Second Outroing Message Tape. Shpg. wt., 6 oz. 27 P 39019

- Direct Connection to Phone Line



## DELUXE CROWN OF JAPAN CTA-4450 TELEPHONE ANSWERING AND RECORDING MACHINE


#### Abstract

- Direct InLine Coupling Facilities - Built-in Cassette Recorder for Incoming Messages - Incoming Recording Time Can Be Set At 30,60, or 90 Seconds - Outgoing Message Recording Time- 23 seconds

Crown's finest telephone answering and recording machine. Comletely selt-contalned with built-In cassette recorder. Features direct n-line coupling-the 4450 can be plugged directly into the phone line, bypassing the phone itself. Or, you can have indirect connections with the phone Itself by using the accessory phone cradie (included). Incoming Messages are recorded on 60 or 90 minute cas. sette Tapes. Recording Time per incoming call can be set, 30, 60, or 90 seconds. Beep tones will let the caller know his message is being recorded. Outgoing Messages are recorded on a separate 23 second tape (included). The 4450 is completely pushbutton operated and is mounted in a handsome wood grained cabinet. Other important features are: Automatic Record Level Control, and 3 digit tape counter with instant reset button. Size: $15 \% / 4 \mathrm{~W} \times 110 \times 43 / 1$ " $^{\text {" }} \mathrm{H}$. For 11 TVAC 60 Hz . Imported. Shpg. wt., 18 lbs . 27 P 72184W No Money Down $\qquad$ Net 249.95 27 P 72192 Extra 23 sec , outgoing Message Tapes ..ea, 4.95 Accessory Cassette Resording Tapes 28 P 01223 Lafayette 60 Min . Cassette, Imported ......Net 1.19 2 28 P 01207 Lafayefte 90 Min , Cassette. Imported ...... Net 1.99


## CROWN OF JAPAN CAD-8 AUTOMATIC SOLID-STATE TELEPHONE DIALER

## NEW LOW PRICE $99^{55}$

- Solid-State Circuitry
- Built-in Telephone Amplifier For Incoming Calls

- Automatically Dials up to 26 numbers

A solld state automatic telephone dialing system using regular telephone sockets for easy Installation to your telephone. The CAD-8 memorizes up to 26 telephone numbers (Up to 13 digits for each number). Simply select the persons code number ( 1 to 26 ) and push a button. The CAD-B automatically dials the number and connects with the person you are calling. For bustness discussions or family messages, a fllp of a switch ampllites the call, allowing everyone to hear the conversation. Telephone operates normally for incoming calls, and for numbers not coded. Preset numbers can be changed simply. Easily operated by one hand. Housed in a low proftle, decorator styled walnut cabinet which sits flat on any desk or lable. A complement to any home or olfice. Size: $11^{\prime \prime} \times 5^{\prime \prime} \times 16^{\prime \prime}$. For 110 VAC 60 Hz . Imported. Shpg. wt. $112 / 2 \mathrm{lbs}$.
44 P 41002 W No Money Down*
Net 99.95


CROWN OF JAPAN 4100 TELEPHONE ANSWERING AND RECORDING MACHINE


Optlonal RC-4 Direct Line Adapter - 19.95


Records
Incoming Mas-
sages Up To 1 Minute In ouration With Any Tapa Recorder with a Remoto Control Mike Input.
Use with phone cradle (included) or can be plugged directly into phone line using optional RC-4 Direct Line Adapter. Answers phone callers with up to 60 second prerecorded message. Incoming phone calls with optional recorder attached are recorded for up to 1 minute in duration. Can be played back at a later time at your leisure. Can also be used as message repeater. With $A C / D C$ remote control terminal, recording switch, and bulit-in mike. For 110VAC, 60 Hz . Imported. Shpg. wt., 10Y/4 lbs.

## 27 P 72143W <br> <br> N

 <br> <br> N}$\qquad$ del RC 4 .................................................................... RC-4 In-Line Adapter, Wt. $3 / 4 \mathrm{Ib}$. . Net 94.95 27 P 72101 1-Minute Message Tape For 4100 ..Net 89.95 lafayette CK . Cassette . Recorder for incoming calls. Imported 99 P 15828 L Shpg. wt., 4 lbs.

## Telephones-New and Reconditioned for Home or Office

## AUTHENTIC LAFAYETTE REPRODUCTION OF A FRENCH CRADLE PHONE



With sti. Cord and Plure

## BRAND NEWI

Brand new, modern, standard size dial telephone that is lideal for use in your home or office. Can be added to your present system o can be used for private phone systems. Telephone comes complete with standard metropolitan dial, ringer, Induction coll, and a 5 ft cord with plug to facilitate easy installation. Handset has neat coiled cord. Clossy, ebony finished base and handset. Size: $53 / 4 \mathrm{Wrgyon} 5 \mathrm{~F}^{\mathrm{H}} \mathrm{H}$. $44 P$ itos 3 Shpg. wt., 51/2 lbs.

Net 17.95
DUL TELEPHONE


- Reconditioned
- For Yelephone Systems, Intercoms, and Private Systems

Popular type dial phone. Can be used to make complete privite systems, or add to your present system. Equipment thinen from service, reconditioned and reaty to wort. Simple 3 -wire hook-up. Complete with handset, diat bell, induction coil and connecting cabie. Gemeral appeapnce may wary silighty from catalog lllustration.


## "PRINCESS-DUTCHESS" TPPE DLAL TELEPHONE



Add a touch of slefance to your decor with the "Princess-outchess" type dial phone. Can be used to make complete pivate syetemin or add to your present phone system. Comes complete with bulli. In buzzer, metropolitan dial with numbers, ear piece. transmitter, and 6 ft . colled cord with plue. Beautiful pearl white finish. $81 / \mathrm{LL}$. $4 \mathrm{w} x$ $44 z^{\prime 2} \mathrm{D}$. Imported. Shpe wi., 33 lbs.
44 P17010
Met 2x-80

## Telephone Amplifiers, Telephones and Accessories

## DELUXE TELEPHONE AMPLIFIER WITH SEPARATE $3^{\prime \prime}$ SPEAKER

- Solid-State Circuitry
- No Warm up, Instant Operation
- No Pick-ups to Connect

This deluxe amplifier is ideal for group conversations and conference calls with one telephone in the room. Easy to operate. Simply place the telephone on the amplifier, adjust the volume and everyone can listen through the separate matching speaker syslem, leaving both hands free for writing or typing. The solid-state amplifier is battery powered and features an inductive pick-up and Volume control. Separate $3^{\prime \prime}$ speaker. Imported. Size: Amplifier Section- $8 \mathrm{~W} \times 3 \mathrm{mH} \times$ $37 /{ }^{-1} 0$. Speaker section- $31 / 2 \mathrm{w}$. $21 / 2 \mathrm{H}$ 41/0"0. Supplied with batteries. Wt., 2 lbs. 4 P 19065 Net 12.95 " $A A^{4}$ " Batteries for Above (4 required). 99 P 62580

## "SNAP-ON" LAFAYETTE TELEPHONE AMPLIFIER AND TELEPHONE HEARING AID

- Ideal for Hard of Hearing
- Portable-Carry It in Your Pocket
- Solid-State Amplifier

Miniature portable, snap on telephone ampll fier because of its compact slize can be carried in a pocket or purse. Designed to fit any modern telephone. Just insert battery (supplied) into battery holder. Attach a mplifier to the recelver of the teiephone you are using-and turn up the volume control of the amplifier. IDEAL FOR HARD-OFHEARING. Specifications $4^{4}$ transistors. $2^{c}$ dynamic speaker. Size 2 \%" round, $i^{\circ}$ in depth. With battery and snapapound band. Imoorted.
snpg. wt., 1/2 lb.
99 P 92082
.Net 7.35
Eveready E90 Replacement Altaline Battery. 32 P 47541 Pkg of 2

Net 79

## DUAL PURPOSE TELEPHONE JACK-IN-A-PLUG

Only
 $\cdot \frac{1}{15}$

- Connects Two Phones to One Telephone Outlet Jack
Telephone plug with bultt-in jach. Enables 2 phones to be connected from single exist. ing jach, No reduction of power. Meets phone company regulations. Imported.
44 P 19016 Shpg. wt., 6 oz. ....Net 1.19
INSTANT PHONE OUTLET


## $1^{49}$

Converts your present square telephone junc. tion boy into a convenient telephone outlet without touching any wires or disturbing your present phone. imported. Shpg wi., $40 z$.
44 P 19057

$12^{95}$
With Batteries


# LaFTYETIE Wireless Intercoms - Plug Into AC Outtets 

NEW! Deluxe 3-Channel AM Solid-State Wireless Intercom

- For Up to 3 Simultaneous But Independent Communications Using Separate Channels
- Each Station A "Master"-Can Use As Many As Needed
- Built-In Squelch and AGC.
- Tone Call Alert Button

No Wires to AttachJust plus into Any AC Oullet and Talh. Use as Many Stations as Required.

## $26^{95}$

Our finest and most versatite 3 -channel AM wireless intercom. No wiring to install. Just plug units into AC outlets on the same electric time between offices, rooms, and even between buildings. 3-channe! design permits up to 3 simultaneous but independent communicaflons using separate channels. Units operating on any one channel will not interfere with those operafing on the others. Each unit is master, so any number of statlons can be connected to form a diverse wireless intercom system. Features a Call Button that sounds a pleasant tone to alert other units when a call is coming through on the particular channel in use. Circult design includes bullt-in pre-set squelch for noise-tree operation, and AGC to prevent overloading and provide high isolation beiween channels. Controls include Press-to-Talk Dar with "lock-talh" feature for continuous monItoring, Volume, Channei Selector, and Call Button. Dependable fused tiansformer power supply with pllot light. Handsome high impart plastic case. Solid-state design with 5 transistors and 4 dlodes. Size: 7HW $51 / 2 \mathrm{D} \times 23 / 4 \% \mathrm{H}$. For 117 $V A C, 60 \mathrm{~Hz}$. Shpg. wi., 3 libs.

# Quality Solid-State Wireless Intercom System 

- No Installation Required - Just Plug In and Talk



## 2-Stations For Only $28^{95}$

- 4 Transistors-No Warm-Up
- Plugs Into Any 117 V AC Outlet In Your Home
- Each Unit is A "Master"-Use As Many As You Need

Solid-State 2-station intercom system at an amazingly low, low price. Ideal for use in the home, office, factory, etc. wilf connect any two places that are serviced by the same electric company power line transformer. No wiring required simply plug each unit into any AC outlet and start lalking-4-transistor circuit means no warm-up time. Each unit is a "Master" with a Volume/On-Off control. Pushnto-Talk Bar with a "foch-bar" feature for continuous talking, and a pitot light. 2-tone gray-colored plastic case has rubber-tipped base that will not scrateh furniture. Overall size $61 / 2 \times 5 \times 2 \frac{1}{2}{ }^{2} \mathrm{H}$. For $110-120 \mathrm{~V} 60 \mathrm{~Hz}$. AC Imported. Shpg wh., $41 / 4 \mathrm{lbs}$.
99 P 45734 M 2-Station Intercom System ................Net 28.95 Extra Station. Imported. Shpg. wt., $21 / 4$ los. 95 P 45726
.Net 15.45

## "Mini" Solid-State Wireless Intercom System

2-Stations For Only<br>$21^{95}$

- Portable-Move From Room to Room or Between Houses-No wiring
- Push-to-Talk Button-Lock Button

A highly efficient wireless intercom system that simply plugs into standard 110 V 60 Hz AC outlets. Your voice is fransmitted thru this electric power Iline. Talk-Lock button for monitoring baby's room or long time taliaing. Solid-state circuitry for instant-on communication between any rooms in your home. Wide range speaker-microphone for fine tone quality. Operates on very low vollage for pennies weet. Each unit is a master so you can use as many Intercoms as you need. High impact styrene cabinet. On/off switch-volume controi. Pilot fight. Size: $37 / 3 W$ x $54 / 2 \mathrm{D} \times 1 \% / 4 \mathrm{H}$. Imported. For $110 \mathrm{VAC}, 60 \mathrm{~Hz}$, Wt., $71 / 2 \mathrm{ios}$. 99 P 46278

Net 21.95


# NEW Deluxe LAFAYETTE Solid-State Intercoms LAFAYETTE IM-50 Multi-station Intercoms featuring Instant Plug-In Wiring 

3 SELECTIVE SYSTEMS CAN BE HOOKED-UP

\author{

1) Master-to-Master
}
2) Master-to-Remote

## 3) Intermixed Master and Remote

Lafayette's IM. 50 Intercom System was especiatly designed for efror-free plug-in Master-to Master wiring. It is very simple to hook. up an entire system. A 50 ft . multi-conductor cable with connectors on each end is used for hooking-up Master-to-Master units. Multiple 50 ft . lengths of cable can be interconnected to extend the distance of each Master-to-Master unit. Remotes are connected to a Master by using a separate 3 -conductor intercom cable (see listing below). The 1 M .50 system provides complete fexibility and versatility with 3 separate types of installations. (1) MASTER.TO-MASTER MOOK-UP: All Master intercom Systems incorporate up to 6 Separate master stations enabling 3 private conversations of 6 station conferences to be held. Master can inlliate calls to any other Master (2) MaSTER-TOREMOTE HOOX-UP: Enables 1 Master station to communicate with Up to 5 remotes either separately or in a six station conference. (3) INTERMIX SYSTEM: Enables you to use up to 6 Masters and 30 Remotes. Each Master in a Master-to-Master system can also accommodate up to 5 remotes per Master. Each Master has Master and Remote indicator lights and a Call Button. Powerful solid-state circultry for noise-free voice fransmission. Size of each Master and Remote: 7 x $51 / 2 \times 21 / 2^{\prime \prime}$ overall. For 117 VAC, 60 Hz . Imported.
99 P 46476 IM. 50 Master Station. Shpg. wt., 3 lbs. Net 29.95 99 P 46484 RI-S Remote Station. Shpg. wt., 2 lbs. Net 12.95

## CABLE FOR 1 M. 50 SYSTEM

50 ft . 7 -Conductor Cable with plug.in connectors on each end for Master-to-Master hook-up. Shog. wt., 2 lbs. 99 P 46492
100 ft . 3-Conductor Cable for Master-to-Remste hook-up.
Net 9.95
100 ft . 3-Conductor Cable for Master
32 P 14525 Shpg wt., $24 / 4 \mathrm{lbs}$.


## LAFAYETTE FM-50 3-Channel Wireless intercom

## No Wires to Attach-Just

Plug Into Any AC Outlet and
Talk. Use as Many Stations as Required.

- Ultimate in Wireless Intercom Systems
- FM Circuitry Increases Sensitivity-

Greatly Reduces Noise Interference

- Built-In Automatic Squelch
- Tone Call Alert Button

The FM-50 was engineered for those who want the convenience of wiretess operation but the sensitivity of a professional wired intercom system. To assure background silence the FM. 50 uses FM solidstate circuitry and employs squelch circuit that prevents any audible output until an intercom signal is present. When transmitting, its nigh-power output and Fim circuitry provides clear voice transmission without noise interference. Improved selectivity reduces adjacent channel interference. Up to 3 simultaneous but independent communicatlons using separate channels can be accomplished. Channel frequencles are: " A " -240 kHz , " 8 " -200 kHz , and " C " -160 kHz . Channel Separation 40 db . Solid state circuitry: 1 IC, 9 transistors, and 7 diodes. Press-to-Talk bar with "lock-talk" feature. Handsome high impact plastic case. Size overali: $7 \times 51 / 2 \times 21 / 2{ }^{2}$. for 117 $V A C, 60 \mathrm{~Hz}$. Imported. Shpg. wt, $31 / 2 \mathrm{lbs}$.


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$39^{95}$
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# Intercom Systems for Home or Office 



## TQ SERIES-SELECTIVE RING-COMMON TALK

Allows only one conversation at a time. "Conference" feature tets you tall to as many stations at once as there are receivers in the system. Two separate models are avallable-to handle up to 6 or 12 stations. Each phone is furnished with a snarl-proof 4.ft. handset coil, and a 6.1 H . master cable with junction box for simple and easy wiring. For dest or wall mounting. Phones are housed in impact resistant beire plastic. Each TO system requires a PRS. IA Power Supply ( 117 VAC, 60 cycle). Shpg. wi.s $42 / 2 \mathrm{lbs}$, per unit.
44 P 12045 TOGA 6-Station Phone less wire.
.Net ea, 29.65
TO. 12A 12-Station Phone less wive
44 P 12052 No Money Down* 44 P 12052 No Money Down* ............................Net ea. 33.40
4 P 12060 ......................................................Net ea, 25.00
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Bogen ISL Phones will permit you to reach other individuals in their offices without depending upon an overburdened telephone swifchboant. $100 \%$ irunhage permits as many as 8 separate conversations to lake place at the same time with model TSL.16, and 4 separate conversations with the Model ISI-8. Select the station with which you wish to converse, press the ring button. When the called party lifts his handset, he is in direct communication with you. phones may be desh or wall mounted. Each phone is furnished with a 4 ft . sami-proof handset cord, and $6^{\circ}$ master cable with junction box. Phones are housed in impact-resistant beige plastic. One PRS-16 Power Supply required to power each system. Shpg. wt., 37/ lbs. 44 P 12011 TSL-8 station phone, less wire ..............Net 41.90 44 P 12029 TSL- 16 16-station phone, less wire .....Net 49.80 PRS-16 Power Supply ( 1 req. per system). Shpg. wt., $23 / 4$ ibs.
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# Deluxe Multi-Station Intercom Systems 

EMERSON-RITTENHOUSE AM/FM HOME RADIO-INTERCOM SYSTEM


## BOGEN IE SERIES SOLID-STATE 7 AND 13 STATION INTERCOMS



ALL MASTE SYSTEM; Consists of a Multiple-Conversation intercom system using up to 7 IE-7 masters or up lo 13 IE-13 masters. Any master can call one or more stations. IE. 7 and IE-13 masters have volume control, press-to-talk bar with dictate lock, rugged pushpush selector, switches, with identification strips. For 120 volt AC $50 / 60 \mathrm{~Hz}$. Wiring instructions-use unshielded cable with at least one more conductor than total number stattons in system. SINGLE MASTER-MULTIPLE REMOTE SYSTEM: CONSists of 1 IE-7 master and up to 6 RIE-I remote stations, or 1 IE- 13 master and up to 12 RIE-1 remote stations. Master can call one station-or several simultaneously. RIE. 1 remote station can orlginate calls to master, privately or non-privately. RiE. 1 remole has press.to-talk bar and privacy swith. For $120 \mathrm{VAC} 50 / 60 \mathrm{~Hz}$. Wiring requirements-use 3 conductor unshielded cable between master and each remote. Sizes of IE-7, IE-13, RIE-1 are $7 \% \mathrm{H} L \times 67 / \mathrm{WW} \times 3 \mathrm{hH}$. Shpg. WI., (IE-7 and IE-13) 33/blos. (RIE-1) $21 / 4$ lbs. EACH IE. 7 MASTER USEO IN A SYSTEM REQUIRES A JBE JUNCTION BOX. EACH IE-13 MASTER USED IN A SYSTEM REOUIRES 2 JBE JUNCTION BOXES.
44 P 12318 Model IE-7 7-Station Master 41.20

44 P 12300 Model IE-13 13-Station Master
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44 P 12292 Madel RIE-1 Remote Station
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## Complete System

COMPLETE SYSTEM INCLUDES 1-AM/FM Master Unit 3-Indoor Remote Stations 1-Entrance Remote Station I-Installation Kit with Plaster Frames For Above Equipment AM/FM Antenna, Low Voltage Transformer and 200 ft . 3-Wire Cable

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 - Includes Colored Fiber and Flame Tips - Make Decorative Tier Sprays

This expanded kit for the advanced hobbyist permits experimentation and completion of additional larger projects not possible with the Other more basic hits. Particularly significant is the inclusion of a 115 VAC power source eliminating dependence upon short-lived battery power. Preassembled AC source consisis of plug, line cord, socket and 7 -watt lamp. Kit also contains penlight source (batteries not supplied), 3 nood adapters, 3 completed colored mini sprays, colored plastic fiber ( 20 pieces each of five colors). $10^{\prime}$ coil of 200 sheathed glass fibers, $10^{\circ}$ coil of sheathed plastic fibers, $10^{\circ}$ or 40 mil plastic fibers, lens, 2 plastic balls, image conduit. $1^{\prime \prime}$ face plate, package of colored flame tips and assorted eyelets and heat shrink tubing. Includes detailed fiber optics information and instructions. Shpg. wt., $17 / 4 \mathrm{lbs}$.
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INCLUOES OC LIGHT SOURCE

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99 P62580 $142 V$ Penlite cell (2 required)
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Assemble your own handsomely
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19 P 32086 Shpg. wt., 5 oz. ....Net 4.95

## (B) SINGLE-TIER UMARELLA SPRAY

Over $2007^{\prime \prime}$ optic fibers are preformed into an artistic single-tier umbrella-shaped spray providing 200 color points.

## Fiber Optics-Black Light-Candle Kit

## FIBER OPTICS WHALE LAMP



- Continuous or Flashing Light

A truly novel fiber optics lamp utilizing a black eeramic whale whose waterspout is a fiber optic spray with 200 points of light. Safe, pow. ered by two inexpensive penite cells (not supplied). Supplied with 2 bulbs for continuous or flashing light, and a transparent multicolored disc to provide colorful enects. Overall size: $9 \times 9 \times 7$ H. shot wt., $14 / 2$ nos.
19 P 32110 Lamp, iess batteries
.Net 11.95
9562580 Penilie cells (2 required) ....................................................................

## 50 FT. COLORED PLASTIC FIBERS

## - Aad Color To Your Displays

Now you can add the fouch of color to your customized fiber optics decorative displays. The 50 ft . package of fibers cut into $25-2$ tt. iengths comes in five assorted colors which add immeasurably to the beauty of your lighting effects. Shpg. wit., 4 oz.
15 P 32025
.Net 2.49

## 100 FT. COIL 20 MIL PLASTIC FIBER



Here is the additional plastic fiber needed to expand your displays. A 100 fl . coil of 20 mil diameter light transmitfing plastic fiber. Shpg. wt. 7 oz.
19 P 32128, ...................................... 2.99

## 12 WCH GLASS FIBER LIEHT PIPE



Use additional light guides for multi-trunked light projects. Each $12^{\text {" }}$ light pipe contains 225-1.8 mil diameter glass fibers bundled into a fexible vinyl covered jachet. with polished and eyeleted ends. Shpe, wt., 4 ot. 19 P 32037
eyeleted ends. Shpe.................................... 1.00

## MAGIC-GLO BLACK LIGHT XIT



- Learn Invisible Detection
- Write Secret Messages
- Educational Scientific
- Enjoyable Interesting
The 8 lach Light kit enables you to see the invisible. Guaranteed completely sate and harmiess. This wit allows children to study the phenomena of huorescence and phosphorescence. Set contains blach light. soctiet and cord, laboratory tamp stand, 4 jars of huorescent point, invisible inim, Invisible crayon, tracer powder, 3 fluorescent mineral specimens, phosphoragram, optlcal bleach, brushes and pen. and a pactate of huorescent materials. Enables the student to perform endiess numbers of tascinating experiments. The amply lliusfrated 48 -page booklet, "The Story of Blach Light-The Unseen world Around Us," exptains the use of blach light in fields such as mimeralogy, electronics, crime detection, medicine, stamo collecting and many others.
19 P 13011 Shpg wt., 24 itos.
Net 12.95
19 P 13029 Replacement U.V. Bulb for above ............Net 3.95


## BATTERY OPERATED FIBER OPTICS LAWP KII

 $6^{35}$- Preassembled 3-Tier Fountain Spray - Flashing or Continuous Light
- Over 100 Light Points

A compact. Inexpensive fiber optics lamp in easy-to-assemble kit form. The 3 -tler fiber lountain spray is factory preassembled and transmits over 100 sparthling licht points. Attractive coral and blach base and stand. Comes with 2 bulbs-for flash. ing or continuous light, and a transparent multi-colored disc for colorful effects. Powered by 2 inexpensive penlite cells (nat supplied). Overall sire: $6 \times 6 \times 7^{\prime \prime} \mathrm{M}$. 19 P 32136 Shpg. wt., 10 oz . Net 6.95 "AA" Penlite Batteries for Above. 99 P 52580 (2 required) ..Net ea. . 10

## SET OF 5 COLOR MINI.SPRAYS

Customize and beautily your light displays with these factory assembled miniafure, colored, fan-shaped sprays. Size appror, $2 \times 242^{\prime \prime}$ each. Set of 5 , assorted coiors, with penlite hood adapter. Shog. wt., 6 oz.
19P32144
Net 1.95

## COLORED FLAME TIP KIT

- 25 Colored Flame Tips
- 25 Fibers

Achieve truly starting lighting effects with these unique colored flame-shaped tlos in decorative ifluminated displays. Kit con. sists of 25 assorted colored plastic fiber optic flame tips, 25 one foot lengths of 20 mil olastic fiber. and Instructions for mounting the tips on the fibers. Shog. wt., 4 cz 19 P 32045 ..................................... Net 1.95

## BUNDLE OF 2000 GLASS FIBERS



Packare of $12^{\circ}$ unjacheted 1.8 mil diameter glass optic fibers. Can be used for experiments, or displays and bundled into light guides. Shpr. wt., 4 oz.
18 P 32052


- Makes Dipped and Molded Candles

A deluxe kit containing everything needed to create both hand. dipped and molded, simple and ornate candles. Malhes tapered candles the traditional way, using a metal hand-dipping rig, and unique candies of varying combinations of sire, shape, scent, and color. Kit contains melting pol with two spouts, pot hoider, metal dipping ris, 8 mold forms, 6 non toxic colors, sandalwood and pine scemts, braided and fead cone wicking and 7 liss. of was. 24-page book de scribes and illus. trates how to make beautiful and unusual candies. Shpe. wt, 11 ths. 19 P 59006W

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manual Shye. wh. 5 los.


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Fun to erect and fascinating to use, this weather station kit operates with flashing neon lights to show wind speed and sirection on indoor indicator board. Includes a sensitive air tank barometer with $4-\mathrm{ft}$. indicator column, a sling psychrometer to measure relative humidity, rain gauge with scale calibrated to measure $1 / 100$ th of an Inch rainfall, cloud chart. weather map and forecasting manual. 150 ft . wire supplied, enoukh for 2 -story house. Safety power cord. All connections sale to touch. Shpg. wt., $3 \mathrm{v} / 4 \mathrm{lbs}$.
19 P 30023
Net 11.65
SKY ROVER Crystal Radio Kit

$3^{30}$
Easy to assemble, brings in loud, clear reoeption. Precision wound tuning coll. supersensillve crystal, bakelite cabinet. No batteries of electricity required. Complete with earphone with plastic ear-holder, antenna lead in wire, and hardware. Requires external antenna (not supplied).
19 P 58024 Shpg. wt., $1 \mathrm{lb} . . .$. Net 3.30 Antenna kit. Wt., $12 / 4 \mathrm{lbs}$.
32 P 30984

Net 10.99

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## A SCIENTIFIC INSTRUMEN FOR THE EXPERIMENTER $15^{80}$

Completely Wired (Not A Kit)

- Miniature Atom Smasher
- Produces 75,000 Volts
- Absolutely Safe

Be your own meteorologist and simply forecast the weather. This feluxe weather laboratory kit contains every instrument necessary for extremely accurate weather prediction. Includes: a wind vane to show wind direction and an anemometer to give its speed; a compensated aneroid barometer provides barometric pressure; a psychrometer determines relative humidity; a set of graphs for charting air pressure and temperature; a detailed weather map and cloud chart. A gauge measures rainfall to $1 / 100$ th Inch, and a detalled manual shows how to make accurate forecasts. Requires 2 " de"
19 P 34082 Less batteries
99 P 62572 1.5v C battery $\qquad$ Net 10.45 ELECTROCRAFT Master Electric Build-It Set


An advanced but completely safe educatio nal hit in the fleld of electricity that enables the student to make any one of over 30 projects includina motor driven hot rod, motor driven dune buggy, lamp, flashlight. electro-magnet. telegraph set. electric crane and many others. All prolects are battery operated. Easy-to-read, illustrated 76 -page instruction manual. Sire: $214 / 2 \times 131 / 2 \times 21 / 4 *$. Shpr. wt.. $21 / 2 \mathrm{lbs}$.
19 P 64030 Less Batteries ........ Net 8.95 Batteries For Above
99 P 62564 " $\mathrm{D}^{\prime \prime} 2$ req $\qquad$ Net ea. 19 99 P 62580 "AA" 2 req........Net ea. .19
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Contains 48 specimens of ore, organics, fossils, elements. plutonics, oxides, volcanics, hypabyssais, effusive crystals, common and uncommon minerals. Each specimen is tazked with name and classification, An excellent introduction to rock and mineral identification. Imported. Shpr.. wt.. 1/2 los. 99 P 71557
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99P71565
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Ingenlous kit for studying some basic nuclear physics by experimentation. See the vapor tralls of alpha and beta particles, and of cosmic rays. Shows exploding atoms. In. struction book covers such experiments as detecting radioactivity with a cloud chamber, with a spinthariscope, and with radioautographs; checking radioactivity with an electroscope, detecting ionization and others. kit includes radioactive materials. Shpg. wt., 31/2 lbs.
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Crushed cem Mir. A 1 lb . delure assortment of agate, adventurine chodonite, and other enotic colored rock which polishes to a jewelry like finish. Shpg. wi., 12/ tbs. 15 P 44527

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RENWAL VISIBLE V-8 ENGINE KIT


The vistble $V-8$ is a supert gulde to the study of the internal com bustion engine. Precise $1 / 4$ scale "see thru" model engine that simulates the power plam of $\mathrm{Y}+\mathrm{s}$ autos. Parts molded in 4 colors, including "clear", so that functioning pistons, connecting rods, rocker amms and properly timed sparth pluss can be observed. Powe.tul permag motor activates over 100 moving parts. Powered by two " C " batteries (not supplied). Complete with poiystyrene cement, hard. ware, screwdriver, and illustrated instruction manual which detalts how an auto entine morks. Shpi. wt. 5 lbs.
19 P 8006 Complete Kit Less Batteries $\qquad$ 99 - $635721.5 V^{\circ} C^{\text {P" }}$ Battery ( 2 required) Net ea. . 17

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- revolutionary anti-pollution automolive power plant uttlizing rola ting discs for combustion, replating the piston and cylinder in con. venifional engines. It teatures tewer parts. greater compactness and higher finciency. This see-thru Marda engine shows fashing plugs, mober fan belt and has pre-colored parts, all viscbie in operation. Powered by two inexpensive penlite balteries (not supplled). [asily assembled from instructions. On $31 / 2^{\prime \prime}$ display stand. As sembled motor is $10^{\circ}$ long $\mathrm{x} \mathrm{g}_{1} / 2^{-}$high $n 5^{\circ}$. wide. Imporfed. Shpg. wt., $24 / \mathrm{lbs}$. 19 P 41004 Complete Kit, less balteries Net 4.39 99 P 52500 AA Cells ( 2 required) ............................................ 10


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Ideal deluxe chemistry lab Mit for experimenters, habbyists, students. Conduct over 700 proframmed experiments in chemical tardening. analytical testing. spectroscope analysis, and many more, 6 modular storase rachs hold over 26 chemicals and supplies. Advanced equip. ment includes precision lab scale and weights, hydrometer, spectroscope, hydroponics lray, alcohot lamp and blow pipe, plus all basic lab equipment such as test fubes etc. Detalled instructions and lab procedures. 5 hpz . Wt., 10 M tos.

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- Easy to Fly-Ideal for Beginners
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## COMPLETE OUTFIT:

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Simple snap in wing and ready to fly radio controlled plane which incorporates true (pulse) proportional control for smoother, more realistic flight control. This plane is so easy to fly that it is recommended for beginners-no electronic or mechanical skill is required, Aircraft fuselage constructed of virtually indestructible super-impact styrene. Wings and horizontal stablizer are of super light styrofoam. rricycle landing gear assures simple tandings. High torque .049 cubic inch internal combustion engine has gas tank attached for 4 minutes of powered filight. Super sensitive 9 transistor superhet recelver combines with a powerful dual coil, twin magnet actuator

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for superior reliability, 8 transistor 250 milliwatt transmitter provides up to one mile range control. Simple guidance controls include finger fip trim for basic in.flight stabilization. Transmitter powered by eight $11 / 2 \mathrm{~V}$ penlite cells (not supplied). Complete with R/C plane, transmitter. battery charger, and illustrated flying instruction book.
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flight. Transmitter: Single Tone AM Modulated Relaytess Pulse

## Receiver: Superheterodyne. With Pulse Width Rate Decoders. <br> $71 / 12$ COMMANDO MK8B RADIO.

## $12^{95}$

- Altitude Capability Over 1000 Feet
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Here is an authentic, educational and yet entirely safe rocket kit for modeters and hobbyists which demonstrates the principles of rocket propulsion. The propellant releases no heat, is non-liammable, nontoxic and non-explosive. The $181 / 2$ inch long Valkyrie-2 which blasts off to 1000 feet. can be safely held in hand. Uses durable polished aluminum rocket. engine and parts, with real working valves, separator and parachute. At liftoff, the rocket starts slowly at 4 " $G$ ' $s$," with acceleration at burnout about 10 " $G$ 's." A timer assures deployment of the parachute which returns the rocket for another launch. May be either mechanically or electrically launched with a battery (nof supplied). Complete hit includes rocket, engine, timer, separator, para. chute, balsa nose cone fins, loading valve and hose, electric firing assembly, launch stand. one can of propellant, accessories and in. structions. Size: $181 / 2^{\prime \prime}$ long $\times 1^{\prime \prime}$ dia. Shpg. wt., $23 / 4 \mathrm{lbs}$.
19 P 75010 Complete rocket kit
15 Oz . can of propellant sufficient for 3 launchings._. Net 12.95
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6. Volt battery for electrical launching.

Net
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32 P 48184 Shpg. wt.. $13 / 4$ lbs.
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19 P 75036 Shpg. wt., 3 oz.
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wt., $31 / 4$ los.
42 P 14003 for 26.995 MHz . $\qquad$
99 P 62580 Receiver AA batteries, 4 required .....Net 94.50

32 P 47053 Transmitter 9V battery, 1 required_Net . 10 | 32 P 41053 |  |  |  |
| :--- | :--- | :--- | :--- |
| 32671 | Engine starting battery, 1 | required _Net | 1.67 |

## Mod-u-Kits-Educational,Useful, And Fun to Build



## (c) AM WIRELESS MIKE KIT

Transmits through any standard AM radio. Can be located uo to 50-ft away from set. aric 2 tiansistor circult Frequency varled tuneable coil Complete with crystal mile and telescoping antenna. Size: $3 \mathrm{~m} 2 \mathrm{x} 14{ }^{\prime \prime}$. Shog. Wis, 6 oz.
19 P 70094 Less Battery ..........Net 7.95 99 P60212 9V Battery.

Net 31

## (D) UNIVERSAL AMPLIFIER KIT

Excellent as a poriable ampllfier, gultar ampllfier, etc. Complete with all parts, case, volume control, and instructions. Works on a 6 -volt battery or power supply. Will accept almost any type of pickup device, t.e., phono cartridge, tuner, etcs; will work with any 3 ohm to 16-ohm PM speakers. $3 \times 2 \times 11 \omega^{\circ}$. 19 P 70011 Shpg. wt., 7 oz. ....Net 5.95

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Transmits your voice to be pleked up by any standard FM radio. 2-transistor circuit with an audio modulator and R.F. oscillator. Frequency controlled by external trimmer condenser. Complete with mike and tetescoping antenna. Size; $3 \times 2 \times 1 / 4^{4}$ ". Wt., 6 oz. 19 P 70102 Less Battery ........Net 8.95 99 P 602129 g Battery ................. 31

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## (E) INTRUDER SOUND-LIGHT ALARM KIT

Hovel security device detects intruders. Sounds pieked up in room or house by microphone included and sensitive amplifier turns on light or sounds alarm. Sensitivity control on light or sounds alarm. Sensitivity control sets noise threshotd. Housed in walnut
ished aluminum case. Size: $5 \times 4 \times 242^{\prime \prime}$.

19 P 70219 Snpg. wt.. 1 lb. ....Net 19.95 Electric Alarm Befl 110 VAC for above. 99 P 90235 Shpg wt., 1 1b. ....Net 3.25 line cord for bell. Wt., 40 ol .
12 P 39011 Net . 3

MOD-U-KIT PSYCHEDELIC LIGHT KITS
FREOUENCY CONTROLLED 3.CHANNEL PSYCHEDELIC CONTROL CENTER KIT

- Frequency Controlled 500 Watts Per Channel- 1500 Watts Total
A 3 -channel sound to light control center providing frequency separation of the incoming sound into 3 parts: tow trequencies 60 Hz to 1 kHz . medium trequencies - 1 KHz to 3 kHz , high frequencies - $\mathbf{3} \mathbf{~ K H z}$ to 15 KHz . Uses triacs to control 500 watts of light per channel for a total of 1500 watts. Each channel has its own sensilivity con. trol and an AC outlet. On/off neon panel indicator. Size: $5 \times 41 / 2 \times 242^{\prime \prime}$.
19 P 70185 Shpg. wt., $11 / 2$ tbs. Net 24.95


## 3-CHANNEL PSYCHEDELIC CONTROL CENTER KIT



- Responds to Intensity of Sound
- Provides 500 Watts Per Channel1500 Watts Total
Converts audio signals to 1500 watts of available external psychedelic lighting. The audio input signal is directly applled to 3 separate SCR's. Has 3 individual sensitivity controls for 3 separate channels each capable of accommodating 500 watts of externat light. Housed in walnut finish aluminum case. Size $5 \times 4 \times 2 \mathrm{ya}^{\mathrm{m}}$
19 P 70169 Shpg. wt., 11/2 Ibs. Net 12.95

WIRELESS SOUND TO LIGHT CONVERTER KIT

## SOUND 10 LIGHT CONVERTER KIT

- Supplies 100 Watts


Accepts sound from any radio, hi-fi, phono, or any amplifier and changes these direct audio signals to light keying signals. In addition to 4 colored pilot light indicators plugged into the unit, an AC socket supplies 100 watts of external psychedelic lizhling which varies with the sound. Shpg. wi.., 1 lb . 19 P 70151



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EC-2000 Battery operated one octave (8 tones) electronic organ. Supplied with a built-in preamplifier. Has outputs for mellow. bright or flute-like tones. Two or more can be played in harmany to produce chords. An excellent multitone audio generator for testing. Use with A. Shpg. wt., 6 oz.
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Net 2.50

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EC-3100. Sensitive battery-operated $\mathbf{2}$-station intercom system for room-to-room and frontdoor communication. Master and remote stations have beep-tone call signal. Kit in. cludes battery. 50 -ft. wire, and plastic cabine ts.
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19 P 66167

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 LIGHT KIT

EC. 3804 Xenan strobe light to provide the kaleidoscopic audio lighting now in use by combos, discotheques, etc. Has adjustable flash rate control. Ideal for home entertain ment, decor and display use. Easy-to-build 19 P 66225 Shpg. wt., $14 / 4$ ibs. Net 19.95

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## LOW BANO POLICE ANO FIRE CONVERTER KIT

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19 P66126
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19 P66092
Net 9.95

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EC.2500. Creates a wide variety of synthe sized tones consisting of multiple harmonics and square waves to produce the fuzz sound. Mounts on guitar amplifier with ON. OFF slide swhich which mounts on guitar Use with A. Shpg. wt., $6 \mathbf{0 z}$.
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EC-wo. Transformer operated fulf-wave bridge rectifier dower supply converts thouse current (110-125 VAC) to 6 V DC. It can power all Eicocraft hits using 6 V batteries. eliminsting battery operation and converting to AC use. Shpe wt., 13 oz .

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## EICOCRAFT KIT ACCESSORIES

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| :---: | :---: | :---: |
| B. 32 P 4118 | 6 V . Lantern Batt. | Net 1.13 |
| C. $32>40515$ | Batlery, 90 Volt | Net 298 |
| D. 99.25546 | Telegraph Key | Net 75 |
| C. 12 P 27005 | 3.2.n, 4*Sphr. | Net 1.5s |
| 307 |  | Net |

For Surtable Enclosures See pages 306, 307

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Lalayetto semiconductor modules are especially designed for many educatlonal, enjoyable, and useful projects. Each permanent module encapsulates the complete solid-state circult required for each project, less accessories. With a few additional simple connections to

## electronic siren mooule

Complete solid-stute electronic circuitry ready for Immediate use as a modern effi. cient nigh volume siren. It will drive any 8 ohm P.M. speaker to a very high level of attention-getting volume with an upward scream and downward wall. Use with: $\dot{\text { a }}$ M. I. \& See accessory list below. 19 P' 55053

Net 2.98

## FM wIRELESS MICROPNONE MOOULE

Meady for immediate use as an efficient wiretess means of transmitting your voice over moderate distances withiln a home. from a Migh impedance microphone into any standard FM radio. Use with B, C. 0. or $P$.
19 P 55277 Net 2.98
BURGLAR ALARM MOOULE WITH SIREN ALARY Protect your home, car, boat, garage, elc., with this efficient burglar alarm module. Complete electronic circultry with a built-in electronic high volume upward screaming siren as the alarm sounds. Use with: A. H. 1. K

19 P 55061
Net 2.98

## FM WIRELESS GUITAR TRANSMITTER MOOULE

Contains complete solid-state electronic clr. cuitry to transmit guitar music over moderate distances within a home from a gultar contuct microphone into any FM radio. You can play your musical instrument in one part of the house while your family and friends tisten to you on a PM radio in another room, Use with B and N.
19 P 55319
Net 1.69

## SIGNAL IMECTOR MOOULE

For RF and AF Trouble Shooting
An efficient signal injector which generates a 2Kc audio frequency signal with modulated radio frequency harmonics up to 30 Mc . Enables isolation of defective electronic stanes. Use with: D. E.
19P55269

## CE MICROPNONE PREAMP MOOULE

Effectively increases CB modulation for more dependable communications. More than dou bles the sensitivity and output of your microphone when powered by a $1 \frac{1}{2}$ volt baltery. Use with: B. C. W. AA on accessory list. 19P55152

Net 2.98

## TELEPMONE AMPLIFIER MOOULE

Compact module with complete solid-state circuitry for use as telephone amplifier. Permits group and conference listening to any phone conversation. Use with: $A, H$, Q. Y, nO .

## 19 P 55129

Net 2.98
AM WIRELESS MICROPHONE MODULE Transmit from your high impedance microphone (crystal, ceramic, high impedance dynamic into any AM broadcast band radio in your home. Meets FCC regulations. No ilicense or registration is required. Use with: license or recistration is required.
D, $\mathrm{E}, 0$ or P . B8. See accessory list.

## 19 P 55228 <br> Net 2.98

## WIRELESS CUITAR AMPLIFIER MOOULE

Electrify Your Gultar. Ready for immediate use as an efficient means of amplliying your guitar music and transmitting it into any nearby AM broadcast band radio without interconnecting cables. Conforms to FCC regulations. Use with D, E, N, BB
19 P 55244 ..................................Net 1.49
BAEY MURSE AMPLIFIER MOOULE
Will amplity not only aby's whimper, but even report his normal movements and breathing in his crib. Use with: $A, U, C C$, and 2 ea. H .
19 P 55145
Net 2.98
PUBLIC AODAESS AMPLIFIEA MODULE
Complete solid-state circuitry for immediate use as a public address amplifier and for use as a public address amplifer and for
use in portable high gain P.A. systems. Prouse in portable high gain P.A. systems. Prorooms. Ideal for smatl gatherings and business meeting. Use with: $A, G, O$ or $P, Y, D D$. mess meelln

Net 2,98

## LAFAYETTE CONVERTER MODULES

## LISTEN TO POLICE, FIRE AIRCRAFT ANO SHORTWAVE ON YOUR PRESENT AM SET

Now you can have the thrlll of listening to the excliting police broadcasts, the fire de. partment calls, communicatlons between planes and ground stations as well as international shortwave bands. Simple to connect to your present AM broadcast radio. Size:
 wt. 402.

VhF POLICE AND FIRE CONVERTER MOOULE Permits reception of police and fire calls in the 30.50 MHz band on your standard broad cast band AM radio, Use with D, E. BB, See accessory list below.
19 P $5 \$ 285$

## 85

HORTWAVE CONVERTER MODULE
Same as above but tunes 25,31 , and 41 meter bands ( 7.12 MHz .). Use with D . E. B8. See accessory list below.
19 P 55301
Net 5.00

## GUITAR TAEMOLO MOOULE

Add Guilar Tremolo to Any Guitar. Provides your guitar with a tremolo sound effect when connected befween guitar pick-up microphone and cuitar amptifier. Tremolo depth is preset to ideal level and tremolo frequency may be varied for about 4 to 15 cycles per second. Use with: D. E, $Z$.
19 P 55160
Net 1.49

## ELEETROMIC LATCHINS RELAY MODULE

For Momentary Break Contact to Operate Tamper-Proof "Lock.On'" Switch, Ideal for Burgiar and Emergency Alarms. Ready for immedlate use as an efficient latching relay for controlled switching of a 6 volt D.C. powar source into any secondary circult drawing up to 1:2 amp. Any momentary breakirg of contact at "momentary swit:h" will fire module "on" (supplying current to a secondary circuit) and will stay "on" untll manualiy reset. Use with: A, I K
19 P 55079
Net 2.98
BIRO CALL MOOULE
Bird Call Simulator
Complete electronic circuitry ready for immediate use for electronically reproducing bird calls. Capable of simulating the songs of canaries, parakeets, and other exotic warbling birds. Use with: B, C, F, I.
19 P 55178
Net 2.98

## GUITAR AMPLIFIER MOOULE

Electrify your gultar with this guitar ampli. fier mocule. Complete solid-state circuitry ready for immediate use as sensitive and efficient guitar amplifier. Use with: A. G, N Y and DD below.
19 P 55103
Net 1.49

## WIRELESS CODE OSCILLATOR MOOULE

Transmit code into any AM radio over moderate distances when connected to a small 9 -volt iransistor battery and any tetegraph key. Meets FCC regulations, no license or registration is required. Use with: D, E, M and BB below.
19 P 55236
Net 1.49

FM VHF POLICE ANO WEATMER CONVERTER MODULE
Permits reception of $150-164 \mathrm{MHz}$ FM-VHF police, lire, emergency, marline and weather transmissions on a standard FM radio. Use with D. E, U, CC, BB. See accessory ist below.
19 P 55368
Net 5.00
alachart converten mooule
Same as above but for reception of 118 to 128 MHz. Band Use with D. E. See accessory list below.
19 P 55293
Net 5.00

## ACCESSORIES FOR SOLID STATE MODULES ABOVE

|  | Slock Ne. | Pric |
| :---: | :---: | :---: |
|  | 32 P 48184 |  |
|  | 99 P 62564 | 19 |
|  | 34 P 50137 | 33 |
|  | 99 P 60212 | 31 |
|  | 99 P 62879 | 29 |
|  | 99 P 60329 | . 05 |
|  | 44 P 01030 | 95 |
|  | 32 P 22056 | 3.59 |
|  | 99 P61509 |  |
|  | 99 P 62184 | 2 |
|  | 34 P 60029 |  |
|  | 99 P 25553 |  |

## oescription

Battery, 6 Volt Lantern
Battery, $12 / 2$ Volt "D"
Holder for B
Battery, 9 Volt Clips for 0
Speaker, PM 8 ohm, $3^{*}$
Speaker, PM, 8 ohm, $8^{\circ}$
Speaker, PM, 8 ohm, $6^{\text {² }}$
Switch. SPST, On-0ff
Swlich, SPST, Push-Button. Momentary, NO.
Switch, SPST, Momenlary, NC
Telegraph Key

Stock No
N. 99 P 45767
N. 99 $45767 \quad 2.15$
0. 99 P $45106 \quad 1.95$
P. 99 P $45437 \quad 2.49$
$\begin{array}{lll}\text { Q. } 99 & P & 10340 \\ \text { U. } & 1.59 \\ \text { W } & 22510\end{array}$
U. 32 P $22510 \quad .74$
W. 32 P 22544 . 74
V. 32 P 22551 . 74

| 2 | 33 | $P$ |
| :--- | :--- | :--- | $11313 \quad 1.02$

AA. 32 P $13071 \quad 1.17$
88. 32 P $31909 \quad .49$
CC. 32 P 24052.16

DD. 32 P 24185
rice

Microphone, Guitar Contact
Microphone, Lapel Crystal
Microphone, Hand Held/Dest Crystal
Telephone Pichup Coil
Potentiometer, $5,000 \mathrm{Ohm} /$ SPST Switch
Potentiometer, $1 / 2$ Megohm with Switch Potentiometer, 1 Megohm with Switch Potentiometer 25,000 Ohms Microphona Cable, Shielded (Cut to 3 ft .) Wire, Antenna (Cut to less than 10 ft .) Knob. Miniature knob

## LAFAYETTE Solid State Audio Amplifiers and.



A more powerfil and sensitive version of the 4 -fransistor amplifler of right, this amplifier employs 3 stages of zudio driving push-pull output slage. Power output is 360 mw , designed for speakers with a voice coil impedance of $8-11$ ohms. Low impedance input has sensi. tivity of 300 microvolts. Input transformer for matching high impe. dance to the amplifier Input available as an accessory (see below). Comes with leads for low impedance input, speaker, volume control; on-off switch. Battery clips and leads supplied for 9 volt miniature battery (one required). Imported. Shpg. wt., 502.
Use with accessories below. A. D. M. or I, and J. 99 P 90375

Net 5.85
1-WATT 4-TRANSISTOR PUSH-PULL AUDIO


One of our most powerful miniature ampllfiers. It has many direct uses in audio frequency applications for tuners, test equipment, etc. Push-pull circult is very sensitive and has an output of 1 -watt! Using anly 4 transistors, it requires a 12 -volt source supplied by Standard ' 0 ' cells in series Outputs from record players with magnetic cartridge, tape heads, microphones, etc. (not exceeding 20 milli. volts) can be connected directly. Higher output devices may be easily connected with a resistor in serles. Components are neatly layed out on a printed circuit board with predrilled holes for mounting the entire unit in a vertical or horizontal position. Built-in leads are supplied for a volume control, on-off switch, battery and 8 ohm loudspeaker. Dimensions: $4 / / 2 L x l / 2 \mathrm{~Hz} 21 / 4 \cdot W$. Imported. Shpe. wt., 502.
99 P 90383 Use with accessories B and C below.
Net 6.95

## CODE OSCILLATOR MODULE

## 98 $\$$

- Matchbook Size


## - Marchboon Size <br> - Drives Any PM Speaker

Transistorized code oscillator module ready to connect to your tele. graph key, and $11 / 2$ to 6 volt battery and any PM speaker. Provides clear tone ldeal for learning Morse code. Simple connecting instructions and schematic included. Shpg. wt., 302.

Net . 98

## 4.TRANSISTOR SUBMINIATURE PUSH-PULL AUDIO AMPLIFIER



A tiny, transistorized push.pull audio amplifier with a muttitude of
 equipment to serve as a subminiature phono ampllifier, tape recorder, amplifier, etc. Two stages of audio are followed by a push-pull output stage designed to deliver 100 mw to an $8-11$ ohm impedance. Low impedances input, with a sensitivity of 0.9 mv . Input transformer for matching high impedances to the amplifier available as an accessory (see below). Includes leads for finput. speaker, and volume control/on-off switch. Battery clips and leads supplied for 9 -voll miniature battery (one required). Imported. Shog. wt.. 4 oz . Use with accessories below. A, E, H, or I. and J.
99 P 90425
Net 4.95

## 3-TRANSISTOR SUBMINIATURE AUDIO AMPLIFIER



Here is an amazing little audio amplifier with a multitude of challenging applications; lie., subminiature phono ampllifier, tape recorder amplifier, hand.held public address amplifier, telephone pick-up amplifier, etc. Output sufficient for average listening. Has leads for any one of the following inputs: Tape recorder record/play. back heads, radiotuner, erystal or ceramic phono cartridge, and crystal or ceramic microphone. Has lead terminations for ON-OFF switch, Volume Control, 4 to 10 ohm speaker, and leads terminating in clips for a 9 -volt miniature battery. Size: $21 \%$, $11 / 4$ a $7 / 4$. Can be readily mounted on chassis. Imported. Shpg. Wi., 4 oz.
Use with accessories A, C. F, and G below.
99 P 90391
.Net 3.95

## ACCESSORIES FOR AMPLIFIERS AND TUNER ON THIS AND FACING PAGE

A. 99 P $60212^{\circ} 9$ Volt Battery 3 oz. Net 31

. 5,000 Ohm Volume Control/Switch/Knob. 202. 99 P60196*
...Net . 59
. $10,000 \mathrm{Ohm}$ volume Control/Switch
32 P $22528^{*}$
100.0nn Ohm Volume Control/Switch 3 32 P $22536^{*}$ Volume Conirol/Switch, 302.
99 P $45130^{\circ}$ Crystal Microphone, 3 oz. ..............Net. 79
G. 99 P $60972^{*} 2^{1 / 2 ", 10 ~ O h m ~ S p e a k e r, ~} 5$ ors. ... Net 1.12


1. 99 P $60360^{*} 2^{n,}$ B Ohm Speaker, 3 oz
j. Matching transformer (high impedance to amp.) Net 1.03


- Imported


# ....... Accessories For Experimenter and Hobbyist 

1 WATT, 4 TRANSISTOR, DIRECT OUTPUT PUSH-PULL AUDIO AMPLIFIER


695
695

- 4 Transistors Plus Thermistor
- Completely Wired-Easy to Connect
- Direct Output-8 and 16 Ohms

Amazingly powerful miniature solid state audio amplifier with many direct uses in audio frequency applications for tuners, test equipment, as a phono amplifler. tape recorder amplifier, public address of tefephone pick-up amplifier, etc. Push-pull circult has an output of 1 watt. Using 4 iransistors and thermistor, it requires a single 9 volt battery. Direct output into : or 16 ohm speakers for minimum distortion. Can be readily mounted on chassis. Dimen-

Use with accessories $A, E$, and $M$. (See p. 222.) 99 P 90979

Net 6.95

$22^{95}$
2-1C's and 8-Transistors

- Separate Bass and Treble Controls
- Frequency Response 30 Hz to 40 kHz
- Includes Rectifier and Filter

This especially fine transistor stereo amplifier delivers 10 watts per channel continuous power (RMS) into any 8 ohm speaker. Has 2-1C's and 8-transistors. The separate bass and treble controls allow 20 do adjustment at 100 Mz and 10 kHz . The dual volume control allows dimultaneous increase in volume of both channels, while the balance simultaneous increase in volume program variations. The low nolse control allows compensation for program ras volts lor use with a preamp stage provides sensitivity of 0.5 volts for use whith ceramic phono cartridge or an AM/FM tuner. The direct coupied complementary symmetry circuit gives a $\mathrm{Hi}-\mathrm{Fi}$ frequency response of 30

## ADJUSTABLE POWER SUPPLY KIT



- Simple To Build
- Variable 0-12 VDC
- Variable 0 12 VDC
- Up to 1 Ampere Current This and Facing Page This simple-fo-bulid power suppiy is ideal for any application ro quiring a low voltage $D C$ source of power to be used as an alterna. tive to batteries. Plugs into regular 110 volt AC current and dellivers DC voltage which you can adjust from 0 to 12 volts at a current arain of up to 1 ampere. A neon indicator light is supplied to ind. cate th the 110 AC power is on. Uses a spectal transtormer that supplles approximately 16 VAC to a fuli wave bridge circult. The DC roduced is fed into a special dual tiansistor filter and regulating tircult. The base voltage of the first transistor is made variable by means of a control. Size: $4 x 4 x / 1 / z^{\prime}$ ". Shpg. wt. $13 / 4$ lts.
19P70110

Hz to 40 kMz @-3 db. Includes the power supply components except a power transiormer. Size: $7 \%$ \& $19 \% \times 4 \% / 4$ "
19 P 09159 Shpg. wt., 1 t/ lbs $\qquad$ Net 22.95

 compact mosnling. Control 2 FDO . Shpg. wh. 142 lbs

19 P 09167
ower transformef for above amplifier modules. Shps wi. it 22.95 19 P09175

ALL-TRANSISTOR BULL HORN

Only


895 Made in USA.

NOT A KIT COMPLETELY PREASSEMBLED

- Range up to 200 feet . Weighs only $21 / 2 \mathrm{l}$ lbs.
- For Hunting, Camping. Boating, Sports

A fully transistorized directional megaphone at Lafayette's low price. lightweight. It carries your voice over 60 yards or above noise. Just press the trigger ano talth. Features variable volume control and Just press the crigeer anotand "D" cells (not supplied with unit.) $11^{\prime \prime}$ long. Shpe. wt., 2 lbs.

## 4 P 15097

Net 8.95
$11 / 2$-volt $D$ batteries, 4 required. Imported. Shos. wh, 5 oz. 99 P 62564

# Selected Specialty Kits 



## LIE DETECTOR KIT GRAYMARK INFRAREO SECURITY SYSTEM KIT

- The Ideal Parlor Game
- Buzzer Indicates White Lies, Gray Lies and Giant Whopper's

Lots of fun at a party, this lie defector Indicates how big a lie is being told. Operates on the theory of hand perspiration, therefore the bifger the lie, theoretically, the greater the hand perspiration. Easy to assemble tit comes with hand probes, and built-in buzzer, nothing else to buy ercept the battery. Size: $5 ; \times 41 / 4 \times 11 / 4 \cdots$. We., $11 / 4 \mathrm{lbs}$. 19 P 70243 Complete kit, less battery Net 9.95

## GRAYMARK AM BROADCAST BAND TRANSMITTER KIT

- Broadcast Through
Any AM Radio
- No FCC License or Permit Required


This transmitter "broadcasts" voice, music code, etc., through any AM radio receiver ( 540.1620 KH ) . Simply plug in a micr phone, record changer, code osciliator, tuner, telephone pich-up coil and you are on the air. The 100 Mw maximum power requires no license. Utilizes a printed circuit board. Complete kit includes crysta! lapel microphone, telescoping antenna, 3 tubes, rectifier, low-brofile metal cabinet and all necessary parts and fittings. A detalled step-by-step instruction manual simplifies construction. For 115 VAC. Cabinet size: $21 / 4 \times 5 \frac{1}{4} \times 1014^{4}$. Imported. Shpg. wt., $416 s$.
19 P 11015 Transmitter kit
Net 17.95


- Constant Protection for Home or Business

- Invisible Operation Up To 75 Feet

An ideal security system with piercing alarm, triggered when in truder breaks invisible infrared beam. Consists of two units, lamp exciter and detector. Has internal piercing alarm buzzer but provides terminals for external bell or buzzer (not provided). Features solid-state circuitry, infrared lens, pre-focused opticil lens, sensi. tivity control and hi-intensity low vollage lamp. Easy to assemble with simplified instruction manual. Beautiful grained walnut plastic cabinets. Power requirements: tamp untt 115 VAC ; detector unit 3 "D" celts (not supplied). Cabinet sizes: lamp unit $31 / 4 \mathrm{X} 3 \times 41 / 2 \mathrm{~m}$ detector $34 / 4 \times 74 / 8 \times 41 / 2{ }^{\circ}$. Imported. Shpg. W1., $41 / 4$ tbs. 19 P 11023 Complete kit, less batteries

Net 29.95
99 P 62564 D cell ( 3 required) ............................................ea. 19

## MINISTROBE ELECTRONIC STROBE LITE



- Not a Kit-Factory Assembled - Compact Battery Operated Strobe Light - Adjustable Flash Rate
- Inexpensive Lamp Replacement

A miniature solid-state strobe light, Ideal for parties, dances, rock groups, displays, etc. Adjustable- $\mathbf{3} .10$ flashes per second. Psychedelic eflects similar to more expensive renon strobes. Use inexpen sixe $9 V$ battery (not supplied). Simply install battery and use. Size: $21 / 4 \times 413$.
19 P 53074 Strobe Lite, less battery. Shpg. wt., 7 oz. Net 5.95 99 P 602129 V Battery (1 required) Net 5.95
Net 31 32 P 62210 \#49 Replacement lamp


| HEP No. | NET | STO |
| :---: | :---: | :---: |
| HEPI | .89 | 19 P |
| HEP2 | 1.25 | 19 |
| HEP50 | . 79 | 19 P |
| HEP3 | 1.25 | 19 |
| HEPS3 | 1.15 | 19 |
| MEP54 | 1.08 | 19 |
| HEP56 | 1.44 | 19 P |
| HEP230 | 1.25 | 19 P |
| HEP231 | 1.99 | 19 |
| HEP245 | 1.99 | 19 P |
| HEP247 | 2.80 | 19 P |
| HEP251 | . 89 | 19 P |
| HEP254 | 1.13 | 19 |
| HEP310 | 1.49 | 19 |
| HEP801 | 1.59 | 19 P |
| HEP802 | 1.59 | 19 |
| HEP803 | 3.39 | 19 P |
| HEP451 | 1.49 | 19 |
| HEP556 | 3.87 | 19 P |
| HEP558 | 4.39 | 19 P |
| HEP572 | 3.90 | 19 |
| HEP580 | . 95 | 19 |
| HEP581 | . 95 | 19 P |
| HEP583 | 1.49 | 19 |
| HEP592 | 3.25 | 19 P |
| HEP104 | 1.20 | 19 |
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| HEP159 | .60 | 19 |
| HEP160 | . 75 | 19 |
| HEP162 | 1.25 | 19 |
| HEP170 | . 82 | 19 P |
| HEP175 | 1.49 | 19 |
| HEP176 | 2.05 | 19 P |
| HEP302 | 2.69 | 19 |
| HEPS1 | 1.29 | 19 |
| MEP250 | . 79 | 19 |
| HEP55 | 1.20 | 19 |
| HEPS70 | 2.10 | 19 |
| HEP582 | . 99 | 19 P |
| HEP590 | 3.99 | 19 |
| HEPS91 | 3.60 | 19 P |
| HEPS2 | . 95 | 19 |
| HEP57 | 1.20 | 19 P |
| HEP75 | 2.95 | 19 |

# Experimenter, Semiconductor, IC Kits \& Circuits 

## med integrated CIRCUIT PROJECT KITS



Requires only soldering iron. Project kits come complete with: - Active and passive components

- Predrilled primedcircuit boards - Assembly instruc. tions

KC4000 Micrephone Preamplifter. Build a high-gain, low nolse, wideband preamplifier for both iow and high Impedance microphone inputs. Snpe wt., 8 oz.
19P43752
Net 6.34
WCs001 Twe-Channel Mirer. Combine twoInput signals into single output. Channel inputs from two microphones Into a lape recorder or combine any other two phone, radio or microphone signals Into one output. 19 P 43760 Shpg. wh., 8 oz . Net. 6.84 KC4002 Audio Oscillater, Use as code-prac. tice oscillator or to test amateur radio transmitters or hi-fi and other audio equipment. 19 P 43778 Shpg. wt., 8 oz. Net 5.25 reso03 osciltator and Ampllfier, Build a 500 mw audio amplifier er a variable-fone audic oscillator. Use in portable PA systems or in applications that require a low-power, port able amplifier.
19 P 43786 Shpg. wt., 10 02. .Net 9.44 KC4500 Kit Enclosure and Hardware pach A sturdy enclosure with input and output jacts, switch and other hardware for mit projects. Use with Kits $\mathrm{KC} 4000, \mathrm{KC4001}$ and KC4002. Shpg. $w t .8$ ot. 19 P43794 $\qquad$ 19 P 40049 $\qquad$ Net 5.09 KCssoos 9 Volt Repulated Power Supply. Supplies 9 volts $D C$ output with voltage regula tion of $3 \%$ at a maximum current of 250 mA . 19 P 43661 Shpg. wt., 1 1/4 lbs. Net 10.59 acs005 intruter Alarm. A ctrcuit that develops a "whopping" signal for securlty system.
19 P 43679 Shpg wt., 8 oz. Net 7.94 nc4006 Fire alarm. A low-melting polint solder sets off this circuit for a warning device.
19 P 43687 Shpg wt. 10 Gz . Net 7.94 KC4007A I.C. Converter Mit. 118.136 MHz . Aireralt Band.
i9 P 43695 Shpg wt.. 10 oz. ANet 11.25 KC400en I.C. Converter Kit. $135-150 \mathrm{MHz}$. Ham, Gov't, Space Band.
19 P' 43103 Shpg. wt, 10 oz. Net 11.25
acsoosh I.C. Converter wit. $148-164 \mathrm{MHz}$ Maritime Mobile, Police. Fire gand 19 P 43711 Shpg. wt. 10 oz. Net 11.25 Kcsoron l.C. Caverter Kh. $160-174 \mathrm{MHz}$. Police, Flre Band.
19 P 43729 Shpg. wt. 10 oz. ..Net 11.25 LC4011 Oinital/Reasout IC MIL. 19 P44008 Shpg. wt. 802 HC4012 Ditital/Counter ic wht. 19 P 44016 Shpg. wt. $B$ oz.
.Net 5.79

5 PIECE HEAT SINK KIT

$1^{3}$ 39

- Use as a Third Hand
Set of 5 spring loaded aluminum heat sinks to protect components while solderins. Includes $11 / z^{\prime \prime}$ and $24 h^{\prime \prime}$ straight and bent jaws, and one $242^{\prime \prime}$ with magnetic base for use as a third "hand."
14 P 15017 Shpg wt., 4 oz.


## RED EXPERIMENTER'S IC VARIETY PACK



Enables the ensineer or experienced hot. byist to extend his knowledge of IC's. The pack contains 5 integrated circults: two KD21 14 transis for arrays. One MD 2115 audio ampli lies and two KD. 2118 transistor arrays. Insluded is
KD-2117 Kit foider giving 12 use Iul circuits, their schematic diagrams, parts lists, and leatures. The KD. 2114 can be used as a very wide-bandwidit video ampitier, as MHz . an l.f. amplifier with 30 db gain at 1 MHz , or as a class B audio amplifier deliver. ing almost 40 mW . The KD-7115 is a mult function power amplifier desizned for use in portable or fleed communication equipment as well as with a portable PA system. or phonograph amplifier. The KD-2118 is a 4 transistor IC connected to form iwo inde pendent Oartington pairs for very low nolse and a pain bandwidth of over 100 MHz . 19 P 53066 Shpg. wt., 3 o2. .... Net 4.92

## REA EXPERIMENTER'S KITS



One "basic" and two "add.on" hits contaln most necessary components to build the fourteen different circuits shown in the RCA Experimenter's manual. Circuits include: Lamp oimmer. motor speed control. electronic timer. time delay. Flashers. two battery charkers. model train or racer sceed control. heat controls and others.
KD2105 "Basic" hit contains one silicon control rectifier. two transistors and five rectifiers.
19 P 43000 Shpg wt. 402 .....Net 11.25 $K 02106^{\text {" }} \mathrm{Add}-0 n^{0}$ Light Sensor hit 19 P 43018 Shpg. wt., 2 oz. ... Net 2.92 KD2110 "Add-pn" Heat Sensor Kit. 19 P 43026 Shpg. wt., 3 oz. .... Net 2.50

## FAIRCHILD INTEGRATED CIRCUITS

## - For The Experimenter And Hobbyist

## 703 LOW POWEM aF AMPLIFLE

 Contains 3 transistors, 2 diodes and 2 transistors to be used as RF and IF amplifiers, harmonic mber. oscillator, eic. Useful fre quencies in excess of 100 MHz . Requires 12 VDC supply. With 12 page in struction and applications booklet containing 12 ctrcuit dlagrams. Shpg. wt., 3 oz. 12 P 25015

## M MOTOROLA HEP IC EXPERIMENTER KIT

## Contains 5 popular RTL Integrated circults

 that will function in many digital and linear applications l.e., one J-K Filp flop, one Oual Buffer, one 4 -Input Gate. and two Dual 2 input Gates, a total of 34 transistors and 48 resisfors. Also includes Integrated Cir. cuit Cross Reference Substifution Guide, "Tlips on Using IC's." and 8 IC Project Cir. cults. Shpg. wi., 302cuits. Shpg.
Net 3.95

## INTEGRATED CIRCUIT EXPERIMENTER KITS



## COMPUTER CIRCUIT EXPERIMENT KIT

- With 3-Fairchild IC's

Ingenious new experiment kit dealing with fundamentals of digital computer circuitry and technology as well as application of integrated circuits in this area. Supplied whith all necessary parts including 3 Fairchild L914 Integrated circuits and comprehensive 18 -page kit manuat. Manual contains instruc. tions, chrcult diagrams, pictorial diagrams, and thorough easy-to-fotlow discussion of Boolean algebra, lamp driver "truth meter". logic functions and eircuitry (AND, OR, NAND. NOR. AND INVERTERM, truth tables, adders, number system conversion (decimal to binary and binary to decimal), and three dif. ferent types of tllp-flops and their applications. Shpr. wt., 7 oz.
19 P 53025
Net 9.95

## AUOIO CIRCUIT

## EXPERIMENTERS KIT

- With Three Fairchild IC's

Exceltent experimenters mit for nobbyists. designers. technicians and students interested in solid state audio circuitry and applications of interrated circuits. Kit comes complete with illustrated instructions and discussion of transistor operation, common emitter class $A$ and $B$ amplifiers, phase splitter, 2 and 4 channel audio mixers, square wave audio signal generalor, code practice oscilitor, stne wave generator, complete audio amplifier, otc. With a PC boards and 16 Dare Instrugrion and circuit manual. ShPR. WL. 601.
19 P 53041
Net 9.95

## INTEGRATED CIRCUIT EXPERIMENTER KIT

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# Telex Headphones and Microphones 



## TELEX TELESET

(A) Lightweight (8 ounce) headsets tallored to the requirements of radio operators, and all general work. Fine stainless steel and plastic design dellvers Migh sensilitilty and falthful sound reproduction. Frea. Resp.: $50-10,000 \mathrm{~Hz}$. 5.ft. durable vinyl-covered cord. Shpr. Wi., 110.
40 P 59010 imp. 2,000 ohms Net 18.50 40 P 59028 Imp. $500-600$ ohms_Net 18.50 Soft foam plastic cushions. Wt., 6 oz. 40 P 59036 One pair ACT. 2 ........ Net 1.28

## TELEX MONOSET

(B) An under-chin headset ideal for secre. tarial office dictating machine use and private listening to radio, TV and recordings. Anodized aluminum tone arms are fully ad Justable and weigh onty 1.2 ounces. Frequen cy response: $50 \cdot 5,000 \mathrm{Nz}$. Single detachable 5 ft . cord with standard phone plug eliminates tangling. Shpe. wt., 702.
40 P 59044125 ohm model HMV-2 Net 9.75 40 P 590512000 ohm model HMY- 2 Net 9.75

## TELEX DYNASET

(C) This IIghtweight headset is excellent for every kind of communication use, including office equipment, radio. TV and commercial applications. A magnetic driver element pro vides clear reproduction. Sound travels through 5 ft . iubing. With phone plug. Frequency Response: $50-5,000 \mathrm{~Hz}$. Shpg. wt., 707.

40 P 59069 Model HUP-01 ....Net 12.65

## TELEX TWINSET

(D) Banishes bothersome ear pressure. Tubular sound arms plpe signal to ears. Only 1.6 oz . Complete with 5 ft . cord and standard nhone plug. Shpg. wt.. 702.
40 P 59085500 ohms HTW. 2 Net 15.65 40 P 590931000 ohms HTX-2 Net 15.65

## TELEX TELE-FI

(E) Fidelity "in depth" with only one speaker. The $1 / 2$ ounce continuous plece tone arm delays the sound to the ear opposite the speaker for one millisecond. This delay cre. ates greater depth and clarity. Unilimited applications A perfect leisure listening set for individuals with a hearing loss. 5 ft . flextble cord included. Shpg. wt. 6 oL . 15 ohm HFR-91 Net 5.95 40 P 59119125 ohm HFV-91 Net 5.95 40 P 59127 500 ohm HFW.91 Net 5.95 40 P 59135 1,000 ohm HFX-91 Net 5.95 40 P 59143 2,000 ohm HFY-91 Net 5.95

## TELEX 600 SERIES MAGNETIC BOOM MIKE HEADSETS

(F) Dual magnetic headsets with remavable ear cushlons. Light in weight-yet very rug. ged. Cholce of 600 or 2000 ohm headphone impedance. "with 250 ohm noise cancelling dynamic boom microphone. | with High Z ceramic boom microphone, All with 5 ft , cord and standard $1 / 4^{*}$ Phone plugs. Average shpg. wt., $11 / 4 \mathrm{lbs}$.

| Stock Ne. | Trpe | Impedance | Het |
| :--- | :--- | :--- | :--- | ---: |
| $\mathbf{4 0 P 5 9 3 7 4}$ | $600-1$ | 600 ohm | 19.95 |
| 40 F 59390 | $1600-4$ | 600 ohm | 21.95 |

## TELEX MAGNETIC PILLOW SPEAKER

(G) Ideal for radic or TV. Enjoy privale listen. ing in bed or in a chair without disturbing others. Great for late itstening. Only $21 / 4^{\prime \prime}$ diameter and th" $^{\prime \prime}$ thick. Maroon waterproof plastic. Complete with 5 ft . cord and stand. ard phone plus. Shpg. wt.0. 6 oz .
40 P 592342000 ohms SMY-2A Net 8.85

## FULL FIDELITY MUSIC HEADPHONES



Designed For Music Appreciation Courses, Electronic Instrument Lessons $\frac{1}{2}$ Libraries

Persona. Phone allows personal listening in churches, libraries, auditoriums, museums. exhibits, efc. Individual volume controls allow the listener to adjust to his own rearing without annoying nearby persons. Each unit has two shell type earsets which slip comfortably over the ear. Beige colored earsets weigh less than $11 / 2$ oz. and are equipped with $5^{\circ}$ cords. Unils may be used with sound systems providing 70 volt, 25
 * $2 \mathrm{~K}_{4}$ D. Shpg. WI., 4 lbs.

40 P 59507 Y No Money Down* ....Net 34.00
TELEX PERSONA-PHONE


Tele: 820 Series Headphones offer out. standing versatility and value. Frequency response of $50 \cdot 18,000 \mathrm{~Hz}$. Light.weight and attractively styled in brown with white trim and vinyl protected spring steel headband. Monaural version has 4 -ohm impedance, six foot white cord and two-circuit phone plus. Stereo version has 8 -ohm impedance. six foot brown cord and three circuit plugShipg. wt. 1 lo.
40 P 59499 Monaural ...............Net 9.95
40 P 59481 Stereophonic .........Net 9.95

## TELEX TV LISTENER

(H) Cord clips allow simple and safe attachment to any tadio or TV. The control switches turn the radio or T speaker on or off and control the volume through the earset. Listener complete with one earset, 15 ft . listener cord, and 4 ft . earset cord. Shpg. wt., 1402.
40 P 59192 LCP-90 Net 9.95 Entra earpiece ELV-98. Allows two to listen at once. Shpg, wt., 4 oz. 40 P 59333
..Net 2.95

## TELEX DYNAMIC PILLOW SPEAKER

(1) New dynamic miniature plllow speaker gives the ultimate in tonal quality without distortion. For individual and Institutional use. Safe and no complicated wiring neces. sary. Stainless steel, moisture proof housing. Size: $3 \%$ " $0 \times 11 /{ }^{\circ}$ " max. thickness. Complete with a 5 ft . cord and standard phone plug. Shpg. wt., 12 or.
40 P 592003.2 ohms SON-2A ......Net 8.85 40 P 5921810,000 ohms SDM-2A Net 11.80

## TELEX ACCESSORY CORDS



S' accessory cords with standard phone plug on one end and Teley conaector on other. - May be used with illustra. tions $D$ or I. I May be used with 8 or E. Shpg. wt. 402.

Stock No.
Description
Net
40 P 59259 CCM-2, Coiled Cord • 3.40
40 P 59267 CMM-2, Straight Cord 2.25
40 P 59275 CCT. 2 , Colled Cord + 3.25
40 P 4923 CMT-2, Straight Cord $\mid 2.25$

## TELEX 1200

FOR LANGUAGE LABS
$33^{25}$


- Meets All Language Institute \& Governmental Specifications Deluxe headset with boom mike designed for language laboratory use. Dynamic headphone response is 20.20000 Hz . Dynamic boom noise-cancelling microphone response 100 . 8000 Hz . Headset impedance 600 ohms . With $1 / 4^{\text {c }}$ phone plug. White with gray trim. Shpg. wt. $13 / 4$ lbs.
40 P 59457 Telex 1200-42 ......Net 33.25
Headset only, less boom mike.
40 P 59465 Telex 1210 -04


## Hearing Aids, Headphones and Pillow Speaker <br> SUB-MINIATURE HEARING AID



## Lightweight!

 3195 Only 2 ounces!

A high quality. completely adjustable, hearing aid which weighs only 2 ounces. Features an advanced 4 transistor circuit, wide range volume control, crystal microphone, magnetic earphone, and a 4 position tone converter control. Three tiny ear plugs and a 3 m . fiexible cord are included. Supplled with leather carrying case, eap. phone, and oattery. Shpe. wt., i/s ib. imported.


Net 31.95
Net 31.95
Net .75
Net 1.89


## PRIVATE RADIO-TV LISTENER

219 - Control Either Private Earphones or Remote Speakers

Simply insialled unit allows normal use of TV or radio while adding controltable earphones or extension speakers. The hord of hearing may control their volume while others may listen at normal Instening levels. May be operated up to 17 feet from set. Supplied complete with instructions, one earphone, and two earphone facks. Imported. Shpz. wt., 502.
99 P 91720
99 P 25488 Ektra Earphone. Wt., 402
Net ea. 2.19
99 P 2549610 ft . extension cord. Wt., 3 oz
Net ea. 59 Net .65


179

## PHLOW SPEAKER

Ideal for private listening speaker has out standing tone quality for music and speech reproduction. No danger of disturbing others -even husband or wife asleep in the same bed! $21 / 2^{-\prime}$ diameter round ivory plastic case is only "then thick. with 6 foot card. $40^{\prime \prime}$ plug and lach. Plugs into radio or TV. Imported. Shipg wt. 808.
99 F 90128
Net 1.79
10 Ft. extension for above. Shpg. wh., 3 oz 99 P 25496 ...................................Net .85

## CRYSTAL HEADSET



- Under-the-Chin Design
- Ligheweight
- Sensitive Crystal Element

This Hghtweight, under-the-chin erystal headset provides the utmost in listening comfort wherever a headset is used. This unit is characterized by a high sensitivity and is ldeal for all applications where a very high Impedance unit is required. This headset offers fine reproduction and comfortable listening in a lightwelght design. Complete with 3 ft. cord. Imported. Shpg. wt., 3 oz. 99 P 25504

Net 1.53


SUPEREX AMATEUR PHONES $24^{95}$
These earphones are made specially for the Ham and short wave ilstener. Comtortable, removable and replaceable vinyt foam ear cushions make long hours at the rig a real pleasure. Dual impedance, 600 and $4-16$ ohms, can be changed at plug. High sensitivity and a crisp clear reproduction for that hard to read station. Shpg. wt., $2^{1 / 4} \mathrm{lbs}$.
40 P 85015
Net 24.95
Model BA-200-1. Rugged, sensitive, im-

- 4000 ohm DC Resistance
- Double Permanent Magnet

A real bargain the convenience and advantages of earphone listeming at an especially low price. This is an extremely efficient, double headset with adjustable headband. for private tistening or for greater Intelligibillity when there are disinacting sounds and external noise. $\$, 000$ ohms DC resistance. Has durable permanent magnets, remov. able earpiece and $34 /$ feet of extension cord terminated whin standard headphone lips. Imported. Shps. wt. i/k lb,
99 P 25041
CLEVITE-BRUSH HEADPHONES $22^{00}$
 $8,000 \mathrm{~Hz}$. With $5^{\circ}$ cord and headband and phone alug termination. Shpg. wt., $11 / 2 \mathrm{lbs}$.
40 P 80016
Net 22.00

- Sce Page 23 for Full Details on Easy Pay Plan


## Miniature Earphones \& Headphones

## thapere

- Detachable Plug-in Cord
- Flexible Plastic Support
- Excellent Sound Reproduction A sensitive dynamic earphone of exception. ally fine quality. LIghtweight, convenient and comfortable to wear. A flexible poly. ethylene support holds the receiver securely
 in place for either ear. The practically invisible transparent cord is connected to the cased earpiece by means of a special plug. Provides clear reoroduetion with a pleasing tone quality. $6-\mathrm{hm}$ Impedance with $\mathbf{k s}^{\text {" }}$ diameter phone plug and phone jack. With 3 ff. cord. Shpg. wt., 3 oz. Imported.
99 P 25413
Net 1.29


## EXTENSION CORO FOR MINIATURE EARPHONES

Perfect for extending earphone from tran sistor and portable radios. 10 Ht . extension cord has 1 k " dia. miniature plug at one end and enclosed socket on the other which accepts $1 \mathrm{~s}^{\prime \prime}$ dia, plog. Cable comes in attractive 1 ght pinit color. Imported. Shps. wt. 302. 99 ค 25496

Net . 65
Net .

.

"CANNON-BALL" DOUBLE HEADSET
Low-priced, lightweight, with powerful Alnico $V$ magnets and double colls. Adjustable vinyl covered steel headband. 41/2 ft . cord. Type AM-15-2-2000 ohm DC, with standard phone piug. Shpg. wt., 1 lb. 40 P81113

Net 3.80

## "CANNON-BALL" SINGLE HEADSET

Single elficient phone with spring steel headband and $4 / / 2 \mathrm{ft}$. cond. 1000 ohms DC. Shpg. wt., 6 oz . 40 P 81048 AM-15-1

Net 1.65

## "CHIEF' HEADSET

8akelite phones, double coils, alnico magnets and vinyl covered headband. Diaphragm diameter $2 K_{4}{ }^{\circ} .11$ ohms DC 40 P 81063 CC11

Net 3.70

## BRANDES "ADMIRAL" HEADPHONES

"Matched-fone" headset. Large diaphragms. Double colls, chrome steel magnets. Adjustable vinyl covered headtand. $44 / 2 \mathrm{ft}$. cord. Snpg. wt. $3 / 4 \mathrm{ib}$.
40 P 81071 BA. 2-2000 ohms
Net 3.60
40 P 81097 BA-5-5000 ohms
Net 4.37

## REPLACEMENT CUSHIONS

Soft rubber cushion fits all above phones and most standard headphones. Shpe. wt., 5 ol. 40 P 59325


## REPLACEMENT CORDS, \& TIPS

Sturdy copper conauctor replacement cords with cotton insulation, $41 / 2$ feet long, with terminations indicated. Double phone cord, except - is single cord. Shpg. WI., $3 \mathbf{0 z}$.

[^14]SOUND SHELL EARPHONE WITH DYNAMMC SPEAKER

- Fits over the ear
- Less than $11 / 202$.

Unique, new listening device incorporates a wide range ( 30 to $14,000 \mathrm{~Hz}$.) speaker in specially designed plastic sound shield. Comfortabiy fits over either ear for maximum Ifstening pleasure. Impedance 8 ohms. Complete with $422^{\circ}$ cord and $1 / \mathrm{h}^{\prime \prime}$ dila. miniature plug. Imported. Shpg wt., 1/4. 16.
99 P 2614 Net ea. 2.95

## SUPER POWER DYNAMIC EARPHONE FOR TRANSISTOR CIRCUITS

- Powerful Efficient Magnet

Extra efficient construction and a powerful magnet provides excep tional performance. Ideal solution to the problem of low output in transistor circuits. You'il be amazed at the difference in volamazed at the difference in vol-
ume, as well as its qually of reproduction, when you use this dynamic earphone. AC impedance 6700 ohms. DC resistance 3000 ohms Snap on ear-plug, Complete with 3 ft , detachable plug.in cord with miniature $1 / \mathbf{p}^{\prime \prime}$ diameter plug. Imported. Shpe. wh, 2 ot. 40 P 78010


## ECONOMY ALL.PURPOSE DYNAMIC EARPHONE

- For Transistor and Subminiature Receivers
- For Silent Radio and TV Listening

A sensitive all-purpose earphone which is Ideal tor use with TV and radio sets, ampllitiers, and transistor receivers. Lightwelght and equipped with a practically invisible support which is comfortable over either ear. Impedance 6 ohm, with a miniature $1 /{ }^{\prime \prime}$ diameter phone plug and a 3 ft. cord. Shpg. wt., 3 oz. Imported

Net .59
40 P 79018
Net .59

## STETHOSCOPE TYPE MONAURAL HEADPHONES

Monaural magnetic unit, are equipped with single removable transducers and may be used as earphone with a snap on earplece which is included. Complete with $1 / 8^{\circ}$ dia. plug and jack. Imported. Shpg. wt., 5 ot. 5 ohms impedance
99 P 25462
Net 1.95

## SUPEREX SENSIPHONES

Desugned for comfort and durability. Double alnico $V$ magnetic coll assem. blies provide high sensitivity and clear response. Adjustable wide vinyl covered spring steel headband. Single headphone cable with standard molded phone plus. Impedance $\mathbf{2 0 0 0}$ ohms. Shpg. wt., io oz.
40 PR 85023
Net 3.95


# "TECHNIQUES" PRINTED CIRCUIT KITS AND SUPPLIES 

\author{

- For The Bullder-Experimenter-Student- Technician
}


SCREEN PRINTING
KIT NO. 5006 FIG. $A$
This Screen Printing Kit provides an accurate and rapid means for making larger sample quantities of even short production puns of printed circuits. Frame measures $8^{\prime \prime} \mathrm{al}^{\circ \prime}{ }^{\circ \prime}$. It comes with sill a already stretched and is hinge mounted on durable formica covered pirwood base. Neoprene squeegee is mounted in sturdy all wood handie. Photo stencll fitm and all chemicals necessary for making stencils. Complete with screen process etch resistant ink, blockout medium, tape mash. ing, solvent, spare bottie and complete in. structions. Shpg. wt., $121 / 2$ los.
19 P se24iow
Net 29.95
1:1 NEGATIVE ARTWORK KIT FIG. A
Photo reversing hit converis black line artwork to "clear" line artwork for exposing presensitized panels. Wit contains pressure sensitive, actual size pattern of transistor pads. IC pads. fingers, lines, dots, etc. Press desired pattern onto mylar. connect dots with tape, add fingers. etc.. place in contact with reverse film and expose to bright lirht. Swat developer onto fitm and the result is an accurate $1: 1$ negative ready to use to expose any number of presensitized P.C. boards. No darhroom (subdued Ityht only. camera, tanks or trays needed. All supplies to make two for more if smaller she) $41 / 2^{\prime \prime} \times 6^{\prime \prime}$ negatives.
19668502 Shpg. wt., 11 oz . Net 12.95 Extra Developer and 4 sheets of film 19 P 68510 Shpg wt., 11 oz. Net 6.50 Extra Patterns. Tape and Dots
19 P 68528 Shpg. wt.. 11 02. Net 7.95 BALL POINT TUBES
Make resist patterns directly on copper clad boards. As easy to use as a ball point pen. Deposits line $x^{-}$" wide. No need to "lay-aut" colors of resist for color coding eircuitry.

| Stock No. | Tyoe | Coler | Met 1. |
| :---: | :---: | :---: | :---: |
| 19 P 68395 | PRLT | Red | 1.25 |
| 19 P 68403 | PRLT | Black | 1.25 |
| 19 P 68411 | PRLT | Bluc | 1.25 |
| 19 P68429 | PRLT | Green | 1.25 |
| 19 P68437 | PRLT | Yellow | 1.25 |

## BAKELITE MOUNTING STRIPS <br> 

 H M Whang i chaty $x$ portaticy

1 [95085 40
Cadmlum plated steel luas spaced $3 / 8^{\circ}$ on centers. Bakelite strip is $3 / 8^{\circ}$ wide $x .062$ In. thick. Ideal for supporting and folining electilcal components. Type marked have grounding lugs in addition to the number of ferminals indicated below. Mount with Mo. 6 screw. Avg. wh., 3 az. 5 per pket.

| Stock No. | Term. | Fig. | Net Per Plk. of 5 |
| :---: | :---: | :---: | :---: |
| 32 P 12051 | 1 | A | . 18 |
| 32 P 12065 | 2 | B | . 20 |
| 32 P 12073 | ${ }^{*}$ | C | . 20 |
| 32 P 12081 | 3 | 0 | 28 |
| 32 P 12095 | 3* | E | . 30 |
| 32 P 12107 | 4 | $F$ | . 31 |
| 32 P 12115 | 4* | G | 33 |
| 32 P 12123 | 5 | H | . 35 |
| 32 P 12131 | 5* | , | . 38 |
| 32 P 12149 | 6 | K | . 39 |
| 32 P 12156 | 6* | $L$ | . 40 |

TECHNICIANS KIT
NO. 5003 FIG.C
Contains 10 assorted single and double clad Xxxp and epoxy gless boards from $42 / 2 \times 6^{\prime \prime}$ to $3 \times 21 / 4$ "; 1 tape resist; 1 liquid resist; eyelets: 1 drill, etching solution and directions. In plastic box sire: $71 / \mathbf{e}^{\prime \prime} \times 5^{\circ \prime} \times 2^{\prime \prime}$
19 P8064 Shpe. wt., 4 lbs.....Net 9.75
EXPERIMENTERS KIT NO. 5002


A good hit to start off tearning the technique of etched circuitry. Contains 6 copper clad boards from $41 / 2 \times 6^{\circ}$ to $3 \times 21 / 4^{\prime \prime}$; Dots; I paek etchant; 1 tape resist; eyelet assortment; drill and directions. In plastic box size: 74" x5"x14".
is P 61072 Shpe. wt., 1 Hh lbs.
Net 4.75

## PRESENSITIZEO

## COPPER CLAO PANELS

All are $k_{0}$ " thich copper clad one side. Except is both sides. are xxap laminate. $t$ are C10 epoxy-glass iaminate.

| Stock Mo. | 17pe | Sire | Met Ea |
| :---: | :---: | :---: | :---: |
| 19P60031 | PXC.F* | $6^{\prime \prime} \times 9^{-1}$ | 2.00 |
| 19 P 68049 | PXC 8* | $6^{\prime \prime} \times 41 /{ }^{\prime \prime}$ | 1.00 |
| 19 P 68056 | PXC-C* | $3 \times 41 / 2{ }^{\text {a }}$ | 75 |
| 19 P 68254 | PXE-F | 6"x9* | 4.00 |
| 19 P 58262 | PXE-Bt | $6^{\prime \prime} \times 41 / 2{ }^{\prime \prime}$ | 200 |
| 19 P 68270 | PXEC $\dagger$ | 3'x41/2" | 1.00 |
| 19 P68445 | PXC-FF* | 6"x9" | 3.00 |
| 18 P 68452 | PxC.88. ${ }^{\text {m }}$ | 6"x4y\% | 1.50 |
| 19 P68460 | PXC-6C | $3 \times 4 y^{\prime \prime}$ | 100 |
| 19 P68478 | PXEFFT/ | $6^{\prime \prime} 1^{\prime \prime}$ | 5.00 |
| 19 P 68486 | PXE B8\% | $6^{\prime \prime} \times 1 / 2{ }^{\prime \prime}$ | 2.50 |
| 19 | PXECCH | $3^{\prime \prime} \times 4{ }^{\text {a }}$ " | 1.25 |
| PROCESSING MATERIALS <br> Type PX0-8 elight ounce developer |  |  |  |
|  |  |  |  |
| 19 P 68023 |  |  |  |
| Type PXY-1 one ounce dye.IfP fe28s |  |  |  |

## INOUSTRIAL LABORATORY

KIT NO. 5100 FIG. 0
Ready to use presensitired copper clad laminate cuts time to make prototype printed circults. Kit contains 20 -pieces single and double clad $X x X-P$ and epory floerglas laminates in assorted convenient sizes, pre. sensitized and uncoated. 20 assorted printed circuit tube and transistor sockets. 2 polls tape resist strip Ko $_{0}{ }^{\circ}$ and $1 / \mathbf{s}^{\prime \prime}$ wide. 200 diecut iape resist circles $1 / 4^{\prime \prime}$ and K" " diameter. $^{\text {" }}$ Bottle liquid resist and brush, Ball-point resist pen. Package of printed circult eyelets and terminals. \#51 drill, layout paper, exposure clamp, developing and efching solutions with trays. Fuli instructions and tech. nical bulletins
19 P 68015 Whpg. wt., 9 lbs. Net 29.95

## PRIMTED CIRCUIT ACCESSORIES

Basic components for the experimenter-de-signer-lab-limited production -tc. in printed circult construction. Highest quality mate-rials-indospensable tor prototype wort.

## TAPE RESIST

320* Rolls of Tape Resist (Black) Average Shpe wt., 2 oz.

| Stack No. | Type | Width | Net Es. |
| :---: | :---: | :---: | :---: |
| 19 P68122 | PRT1 | k" | . 85 |
| 19 P68130 | PRT2 | $4{ }^{\prime \prime}$ | . 75 |
| 19 P 68148 | PRT3 | 为 ${ }^{\prime \prime}$ | . 90 |
| 19 P68155 | PRT4 | 4" | 90 |
| 19 P68296 | PRT8 | 1/4** | 1.00 |

19 P 68163 PRTD-618 P 68304 PRTD-8 tim dia.75
TOUCH-UP RESIST
18 P 68171 PRL one-ounce jar ..... 50
EVELETS
19 P68114 PEY12 125 Asst, Eyelets . 60
PRINTED CIRCUIT TERMINALS
19 P 68312 PTEIO Pkg. of 10 ..... 40
ETCHANIS
19 P68098 PE16 Pint
19 P68106 PE32 Quart ..... 1.25 ..... 2.25

## HEAY DUTY SCREW COLLAR STRIPS


3) bakelite. 74 wide Nickel Plated Brass Screw Terminals, tinned solder lugs. Avg. shpe. wt., 3 ot.

|  |  | MET [ACH |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stoch Mo. | Term. | 1-9 | 10.99 | 100 |
| 12 P 64486 | 2 | . 20 | . 16 | . 16 |
| 32 P 64496 | 3 | . 25 | . 22 | . 20 |
| 32 P 64504 | 4 | . 30 | . 27 | 24 |
| 32 P 64512 | 5 | . 36 | . 32 | . 29 |
| 32 P 64520 | 6 | . 41 | 37 | . 33 |
| 32 P 64538 | 7 | 46 | . 41 | . 37 |
| 32 P 64546 | 8 | . 52 | . 47 | . 42 |
| 32 P 64553 | 9 | . 60 | . 54 | 49 |
| 32 P 64561 | 10 | . 63 | . 57 | . 51 |

KIT OF 48 SOLDER LUG STRIPS

## TERMINAL STRIPS <br> 

High quality bakelite terminal strips. Solder lugs mounted on Kis thick insulation. Avaif. able whith 2 thru 10 solder lugs and serew terminals. Mounting holes for 6 -32 screws. Avg. shpg. wh., 6 02, 5 per Fackage.

| Steck Ms. | Tern. | Net Pit |
| :---: | :---: | :---: |
| 32 P 12164 | 2 | 45 |
| 32 P 12172 | 3 | 83 |
| 32 P 12180 | 4 | 78 |
| 32 P 12196 | 5 | . 93 |
| 32 P 12206 | 6 | 1.10 |
| 32 P 12214 | 7 | 1.28 |
| 32 P 12222 | 8 | 1.45 |
| 32 P 12230 | 9 | 1.65 |
| 32 P 12248 | 10 | 1.85 |

149


1

Handy assortment of 48 solder lug terminal strips with 8 of each type from 1 thru 6 lugs. shog wt., 8 o2. Imported. 99 \& 61111

# Printed Circuit Components-Experimenters Items 

## PERFORATED COPPER-CLAD AND UNCLAD BOARDS

\author{

- Ideal for Transistor and Subminiature Circuitry
}

These sturdy perforated boards afe the ideal base for bullders, experimenters, and labs to mount miniaturized components. Two types avallable: either high grade bakelite for wired circuits, of one side copper-clad for "printed" circuitry. Holes are K" diameter with *" between hole centers. All boards are sicm thick. For contacts, the flea cllps listed on this page are ideal. Avg. shpg. wt., 9 oz .

| PERFORATED CLAD |  |  |  |  | PERFORATED |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| stock No. | Net Exch Lots of |  |  | size | No. of Hales | Stock Mo. | $\begin{gathered} \text { Net Each Lots O1 } \\ 1 \quad 100 \quad 250 \\ \hline \end{gathered}$ |  |  |
| 19 P 35012 | . 39 | 4 | 17 | $23^{16 \times 3}$ | $17 \times 12$ | 19 P 36053 | 27 | 22 | 19 |
| 19 P 36020 | ${ }^{68}$ | 55 | . 50 |  | 35x19 | 19 P 36061 | 49 | 43 | 38 |
| 19 P 36038 | 1.37 | 1.14 | 1.04 |  | 39x35 | 19 P 36079 | . 6 | 11 | 65 |
| 19 P 36046 | 2.05 | 1.54 | 1.43 | 101247\% ${ }^{\text {a }}$ | 56x38 | 19 P 36007 | 1.28 | 1.15 | 1.04 |
|  |  |  |  | 18x7\%** | 95x38 | 19 P 36095 | 2.14 | 1.92 | 1.71 |



## UNPERFORATED COPPER CLAD LAMINATE

Unpertorated, finest quality XXXP bakelite and C-10 epoxy glass bases one side copper laminate clad boards for printed circuit work. Avg. shipg. wt.. 14 oz.

| Stoct No. | XXXP Eakelite | Net | Stoch Me. | Epoxy Class | det |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 15P71019 | $9^{* \prime \prime} 12^{*}$ | 1.50 | 19 P 37044 | $9^{\prime \prime} \times 12^{\prime \prime}$ | 4.20 |
| 19 P 71027 | $6^{\prime \prime \prime} \times 4 y^{\prime \prime}$ | . 49 | 19 P 37051 | $6^{\circ} \times 442^{2}$ | 1.24 |
| 19 P 71035 | $3^{\prime \prime} \times 442^{\prime \prime}$ | 30 | 19 P 37069 | $3^{* \prime} \times 4 \nmid 2{ }^{\text {c }}$ | 61 |
| 19 P 71043 | 2" $41 / 2{ }^{\prime \prime}$ | 25 | 19 P 37077 | \%"x 412 " | 40 |
| 19 P 71050 | $3^{\prime \prime} \times 24{ }^{\text {m }}$ | . 24 | 19 P 37085 | 5* $21 / 4{ }^{\prime \prime}$ | 14 |

FLEA CLIPS FOR
TRANSISTOR AND
SUBMINIATURE
CDNTACTS
minlature work. Fit perfectly in holes in pep.
forated copper-clad and unclad boards with
Ko" dia. holes. Made of beryllum capoer,
silver piated finish. Simply insert wire thru
hole for positive ario contact.

$$
\begin{aligned}
& \text { "Flea" cllos are specially designed for sub-19 P } 33027 \text { Package of } 1000
\end{aligned}
$$

## POLYSTYRENE RODS, <br> TUBES AND SHEETS



Feature high dielectric strength. dimensional stability low loss. arc-resistance. and insulating properties. Moisture proof. Easlly sawed, drilled and tapped. Sheets and rods are transparent. tubing satin finish.

| Stock No | Size Inch | Thich Inct | SHDE. w. | $\begin{gathered} \text { Net } \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| 13 P 51014 | $12 \times 12$ | \% | 902. | 4.07 |
| 13 P 51022 | 12112 | ${ }^{6}$ | 1002. | 4.70 |
| 13 P 51048 | $12 \times 12$ | $\%_{6}$ | 1002. | 7.01 |
| 13 P 51055 | $12 \times 12$ | 1/4 | $17 / 4 \mathrm{lbs}$. | 7.95 |
| 13 P 51063 | 12x24 | Y | 14 oz . | 7.64 |
| 13 P 51071 | 12.24 | \% | 14/2 lbs. | 8.97 |
| 13 P 51089 | 12124 | \% | $13 / 4 \mathrm{lbs}$. | 10.29 |
| 13 P S1097 | $12 \times 24$ | \% 6 | $21 / 2 \mathrm{los}$. | 12.18 |
| 13 P 51105 | 12 z 24 | 1/4 | $34 / \mathrm{lbs}$. | 15.34 |


| Stock Me. | $\begin{aligned} & \text { Size } \\ & \text { I EDiam. } \end{aligned}$ | ShPE. m. | $\begin{aligned} & \text { Wet } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 13P51113 | $12^{\prime \prime} \times 1 /{ }^{\prime \prime}$ | 3 oz . | . 15 |
| 13 P51121 | 17"x\%" | 302. | .17 |
| 13 P 51139 | $12 \times x$ \%" | 302. | . 20 |
| 13 P 51147 | $12^{\prime \prime} \times 1{ }^{\text {cos }}$ | 3 oz . | 21 |
| 13 P 51154 | $12^{\prime \prime} x^{3 / 4}$ | 402. | . 32 |
| 13 P 51162 | 12"n1/2" | 402. | 47 |
| 13 P 51170 | 12"n\%" | 502. | . 71 |
| 13 P 51188 | 12"x/4" | 602. | . 98 |
| 13 P 51196 | 12"1/4* | 8 az | 1.39 |
| 13 P 51204 | $12^{\text {¢ }}$ 1 | 902. | 1.86 |


| 12" POLYSTY置EME |  |  | TUBES |  |
| :---: | :---: | :---: | :---: | :---: |
| Stect M4. | 0.0. | 1.8. | shop. w. | $\begin{gathered} \text { Met } \\ \text { Eact } \end{gathered}$ |
| 13 -51212 | 1/4" | 40" | 302 | 20 |
| $13 P 51220$ | \%0" | \% | 3 er . | 23 |
| 13 P 51238 | 16" | 4" | 3 OL . | 28 |
| 13 P 51246 | $1 / 2$ | **" | 302. | 33 |
| 13 P 51253 | \% | 12 | 302. | 35 |
| 13 P 51261 | ** | ** | 308. | 44 |
| 13 P 51279 | $8^{\prime \prime}$ | 7/4" | 402. | . 60 |

VECTOR PUSH-IN TERMINALS
AND INSERTION TOOLS


Type Ts.4, Brass, tin plated with serrated slots, fits .093" hole.
19 Pg 3014 Phg of 100
1.49

туре P1228 Insertion toot 19.4 terminals. 19 P B 3410 Net ea. 1.60
Type T 2 terminal beryllium copper, tin plated. fits hole slite .062"
19 P83022 Phg. of $100 \quad 1.61$
Type T285. Same as T. 28 except silver plated. 19 P8 3618 Pkg. of $100 \quad 1.72$ Trpe P91. Insertion tool for T28 and T28S terminals.

## 19 P 83063

Type T30N- 2 Springclip terminal holds up to six wires without soldering. Nickel ptated brass body with nickel plated steel music wire spring, fits hole size $093^{\text {m }}$

| 19 P83048 | Phg of 10 | 1.04 |
| :--- | :--- | :--- |
| is P 83030 | Phg of 100 | 7.59 |


| I9 P 83030 | Phg. of 100 | 7.59 |
| :--- | :--- | ---: |
| is P 83394 | Pkg. of 1000 | 52.96 |

p92A Insertion tool for T30N-2 terminals. 19 P 03055
als.
Type T42.1 Micro-Klip Push-In terminal for $.042^{\prime \prime}$ holes, beryllium copper, tin plated. ISP $15158 \quad 1.82$ Trpe k24C Inbord Pin. Push in for 042" diameter holes. Phospher bronze tin plated. 19 P83774 Pkg. of 50
Type $144.025^{\prime \prime}$ square wire wrap pin with slotted top fits $.042^{* \prime}$ diameter holes.
19 P 03750 Phg. of $100 \quad 2.96$
is Paja08 al3 insertion tool for T44 1.69

## G-C CHEMICALS FOR PRINTED CIRCUITS

paint-kote silver paint. Pure silver com pound. Aif orying. Used to repair printed circuit "wles" and touch up connections. 1/2 Troy or. Shpe. wt., 4 ors
13 P 60106 GC-21-1
Net 4.75
PRINT.KOTE COPPER PRINT. A Migh cOnductive, fast drying compound to touch up and repair printed circuits. With brush-cap in 2 or. botties. Shpr. wt. 7 ot.
13 P 61146
Net 2.23

## POLYSTYRENE CEMENT ANO COIL DOPE

Pure polystyrene dissolved in thinner. For coating. dooling, sealing coils, and for cementing polystyrene to polystyrene, 2 OZ , bottle. Shpg. wheo 708
13 P COD31
TMINNE FOn ABOVE. 6 oz .co 13 P co04s

## MASONITE BREADBDARD

- Ideal for Kit Bulfiders Tempered masonite board with holes spaced $1 / 2^{\prime \prime}$ apart to facilitate mount. ing of parts. Size 7 75ax $11 / 3 x^{1 / 4} 5^{\prime \prime}$ thick. Holes $1 / 4^{\prime \prime}$ diam. Shpg. wt., 802. 15 P 17012

Net 24

## SPACER ASSORTMENTS

BRASS SPACERS
Package of 16 cadmium plated brass spacers 4 each of $1 / 4^{\prime \prime}-1^{\prime \prime}-74^{\text {ec }}$ a $1^{\prime \prime}$ length. All accomodate $=6$ screw. $1 / 4 * 0.0$.
Shps. Wt., 10 oz
32 P12263 ...........
Assortment of 12 fibre spacers 4 each of $1 / 4^{m}-1 / 2^{-} 8^{\circ} \mathrm{I}^{\mathrm{m}}$ tenglhs. All have $1 / 4^{\prime \prime}$ outer diameter and accommodate $=6$ screw. Shog. wt. 3 oz.
32 ค 12255
Net per pkg. 1.10

## VECTOR INTEGRATED CIRCUIT KITS



Vector's hardware kits provide maximum flemibility for hooking up all kinds of iC cir. cuits as well as discrete components. Kits are bultt around pre-punched epoxy paper Micro-Vectorboard chassis which has .042" holes on $11^{*}$ *. $1^{-}$centers plus solder type push-in Miero-Kiip tenminals and various ac. cessories, such as Micro bus strip, wire cessories, such as Micro bus strip,
wrap terminals, chassis supports, etc.
wiap terminals, ehassis supports, eic.
Wit $10 x$ M Micro-Vectorboard chassis $4 / 2$ $81 / 211 / 16^{\circ}$, wooden chassis supports, 100 T42.1 terminals.

## 19 P 83691

Net 4.50
Wh 30x Micro-Vectorboard chassis $41 / 2 \mathrm{X}$ $81 / 2$ I $1 / 16^{\circ} \cdot 2^{-\quad}$ hign extruded alumimum chassis ralls (which can form box with aded. tion of cover plates), 100 T 42.1 terminals and installing tool, bare and solder thru hockup wire, layout paper.

## 19 P 83709

Net 18.75
Kit $31 \times$ same as $30 X$, with addition of Micro bus styip, wire wrap ierminals and inbord pins, pot and swith brackels.
19 P 83717
Net 17.50

# international rectifier b3M SELENIUM SOLAR CEIL 

Photo Cells-Trimmers-Service Parts

Ratings (in full sunlight) Output 0.2 to 0.4 volts. $11 / 2$ to $21 / 2$ militamps. Plastic case with adhesive disc
 wt, 201. 19 P 29033 ........Net 2.40

## INTERNATIONAL RECTIFIER B2M SUN BATTERY



Average suntight generates 2 ma . current under lo-ohm load. With milli. ammeter can be used to measure light. In series or series-parallel will drive transistorized equipment. 60 miero. amps © 100 foot eandies with 55 ohm load .5 volt in average sunlight. 25 volt at 100 foot candles. Shpg. wt. 2 oz.
19 P 29017 ............................Net ea. 2.30


## PHOTO CELL ano SUN bATtERY assortment

This interesting special package contains 4 selenium photocells with outpuis from is 10 t/ volt and 0.5 ma to 3 ma in bright sunlight. Complefe with 24 page instruction and project manuat. Shpe. wt., 4 oz. 19 P 29108

Nel .95


Sturdy closed back Barrier strips moulded in black gakelite are ideal for permanent installations, as well as breadboard and experimental worm. Sturdy barriers befween terminal strips insure against accidental shorts. Fwo mounting holes on each end of strip insure ease of installation. See headings doout each series for size specifications. Avg. wt. is 50 or.

TYPE 14009-15 AMP
Leakage path befween terminals is $3 / 8^{\prime \prime}$. Base is $7 / 8^{\circ}$ wide $\times 13 / 32^{\circ}$ high.

| Stock No. Contacts |  | $1-49$ | $\begin{gathered} \text { Net fach } \\ 50.99 \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 33 P 86018 | 1 | .16 | . 13 |
| 33 P 86026 | 2 | 17 | . 15 |
| 33 P 86034 | 3 | 20 | .17 |
| 33 P 86042 | 4 | 25 | 21 |
| 33 P 86059 | 5 | . 31 | 26 |
| 33 P 86067 | 6 | . 36 | . 30 |
| 33 P 86075 | 7 | . 41 | . 35 |
| 33 P 86083 | 8 | . 47 | . 40 |
| 33 P 86091 | 9 | . 52 | . 44 |
| 33 P 86109 | 10 | . 59 | . 50 |
| 33 P 86117 | 11 | . 63 | . 53 |
| 33 P B6125 | 12 | . 70 | . 59 |
| 33 P 86133 | 13 | . 74 | 62 |
| 33 P86141 | 14 | . 80 | 67 |
| 33 P86158 | 15 | . 86 | 72 |
| 33 P 86166 | 16 | . 91 | 76 |
| 33 P 86174 | 17 | . 97 | 81 |
| 33 P86182 | 18 | 1.02 | . 85 |
| 33 P 86190 | 19 | 1.07 | . 90 |
| 33 P 86208 | 20 | 1.13 | . 95 |
| 33 P 86216 | 21 | 1.20 | 1.00 |

## international rectifier SIM SILICON SOLAR CELL

Output rating 0.3 to 0.4 volts and 10 to 16 milliamps in full sunlight. Plastic ease whth pressure senslive adhesive disc. Sire: 1her 1 14x $x_{0}$ ". Shpg. wt. 2 or.
19 P 29041
Net 2.40

## S4M SILICON SOLAR CELL

High effictency version of above SIM Same output voltage of 3 to . 4 volt with output current of 25 to 40 mA . Shpg. wt., 402. $19 P 20124$

TIER


Precision motor with anti-friction bearings. Ideat for the experimenter and science project enthusiast. Direct operation from power supplies utilizing solar cells. Recommended driving cell is type S4M of two S1M's in parallel (see itsting immediately above). Operation from 0.35 to 1.5 volt. Shpg. wt., 402.

19-29132
Net ea. 3.95

## PIONEER COS CELLS



FI6. (700 Series) FTE. ( 900 Serits) Hermetically sealed high sensitivity cadmium sulphite cells. Types ending in 01 thru 04 are suggested for use with slowly changing daylight; types ending in 10 thru 13 especially suited for industrial photo. control operations depending on interrup. tlon of an incandescent source. Maximum dinsipation on 700 series is $1 / 4$ watt con tinuous or 1 -watt intermittent (1 min. periods): 900 series is $1 / 2$ watt conlinous, 2 -watts intermittent. Wean output is photocurrent at 50 VAC and simulated daylight of 1 FC; range varying $\pm 33 \%$ of mean. Maximum dark current measured at 100 V . 5 seconds alier 50FC light extinguished. Photosensitive areas of 700 series is .1 sq . In. 900 series is 44 sq . in. Average shpg. wt., 3 or.


## INCANDESCENT TYPES

| Stoch No. | type No. | Mom.剈量 Ohms | Min. Dark Res | Mar. Dark Volt | Nat <br> Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 19 P 47052 | 710 | 1330 | 4 mer. | 500 | 1. 40 |
| 13 -47100 | 711 | 670 | 4 mes. | 500 | 1.40 |
| 19 P 4711 | 712 | 330 | 2.5 mea. | 350 | 1.40 |
| 19 P 47125 | 910 | 1330 | 4 meg. | 1000 | 1.25 |
| 19 P 47134 | 911 | 670 | 4 mer. | 1000 | 1.25 |
| 19 P 47142 | 912 | 330 | 2.5 meg. | 700 | 1.25 |
| $19 \cdot 4715$ | 913 | 165 | . 5 meg. | 500 | 1.25 |

## LAFAYETTE PHOTO CONOUCTIVE CELS

Conductivity of these sensitive cells varies with intensity of light. All rated at 20 ma at 200 volts. Wave length 4000 to 8000 angstroms. Resistance at 0 ft . candle is 10 meg for type A, 5 meg for type B. Other chart ratings approx. $\pm 50 \%$. imported. Shpe. wt., 2 oz.

| Steck Ne. | Resistance in thms at IFC 10FC 100FC |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 99 P 63218 | 25,000 | 4.500 | 700 | . 95 |



## LafayEtte SELF generating SELENIUM CELLS

- No external power needed

Sensitive to a wide spectrum including white, colored or uftraviolet light. All unmounted; complete with teads. Outputs of $100 \mu$ taken at 100 toot candle illumination with 100 ohm load. Shpg. wt. 2 02. Sire: $11 K_{0}{ }^{\prime 2} K_{5}{ }^{\prime \prime}$. Imported.
95 P 52432
Net 59


Base of 10 .loss ceramic. $13 / 2 \times 3 / 4 \times 5 /{ }^{\prime \prime}$ in sire. $13 / a^{\prime \prime}$ mitg. ctrs. Capacity fanges de. rived from 3 turns open to fight setting. Av. shpg. wt.. 2 oz.

| 5 Steck Na | Of | $\begin{aligned} & \text { Each } \\ & 1224 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 2548 \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| 34 P61386 | 15-15 | . 35 | - 3.3 |
| 34 P 60295 | 2.7-40 | . 35 | . 32 |
| 34 P 68303 | $5-80$ | . 35 | . 32 |
| 34 P 68311 | 10. 180 | . 40 | . 36 |
| 34 P 68329 | 25. -280 | . 48 | . 43 |
| 34 P 68337 | 50. 380 | . 54 | . 49 |
| 34 P 88345 | 75. 480 | . 60 | . 54 |
| 34 P 68352 | 105. 5880 | . 68 | . 61 |

COUPLERS ANDEXTENDERS

(A)
(8)

Brass couplings ( $A$ ) and extenders ( $B$ ). Diam. eter of extender or coupling may be equal to, greater than, or less than diameter of shaft entended. Extender shaft length. $\%$ over-all length 1th" Average shps. wt., 3 02. All are coupters except * which ate en. tenders.

| Stock No. | Size | Each |
| :---: | :---: | :---: |
| 32 P64124 | $1 / 4 \times 1 / 4{ }^{\prime \prime}$ | . 30 |
| 32 P 64132 | $1 / 4 \times 1 / 2$ | 30 |
| 32 P64140 | $38 \times 30$ | . 30 |
| 32 P64157* | $1 / 4 \times 1 / 4{ }^{*}$ | . 40 |
| 32 P 64165* | 74. $\times 1 / 4{ }^{\text {a }}$ | 40 |

## dDE PANEL BEARING ASSEMBLY

Use with rigid or flexible coupling when mounting. For up to $\mathrm{K}_{0}^{--}$panels. Av. shpg. wt., 402.

| 32 P 64058 | $3^{\prime \prime}$ long. $1 / /^{\prime \prime}$ shaft | .40 |
| :--- | :--- | :--- |
| 32 P $640666^{\prime \prime}$ long. $1 / 4^{\prime \prime}$ shaft | .60 |  |
| 32 P 64074 Bearing only | .15 |  |

## EXTENSION RODS

For $14^{4}$ dia, extensions. Av. shpg. wt. 402
32 P 64082- $6^{*}$ Nickel Plated 35
32 P 64090- $6^{\prime \prime}$ Fibre
32 P 64108-12 Nickel Plated $\quad .75$

# Dials-Knobs-Variable Condenser 



VERNIER LOGGING DIALS

Precision planetary drive vernier dials with approximately 7 to 1 ratio. Ideal for test equipment, calibration instruments, amateur equipment, etc. $V_{4}{ }^{\prime \prime}$ diam. shaft extending from rear may be easily coupled to another drive shaft. Type A has tramed wire hair line, type $B$ has polnter. Alt with 1 log scale and blank scales. Fluted knob. Imported.

| Stock Mo. | Fig. | scelt | $\begin{aligned} & \text { Lex } \\ & \text { setio } \end{aligned}$ | Plum | $\begin{aligned} & \text { slee } \\ & \text { everem } \end{aligned}$ |  | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 P 25660 | $B$ | 4V4" | 0-180 | 5 | $5 \times 3 \mathrm{x} 11 / 2$ | 10 or . | 2.59 |
| 99 P 25686 | A | 71/4' | 0-200 | 6 | 81/21544x21/4 | 142 lis. | 3.95 |



Fig. c

## PRECISION VERNIER DIALS



AS LOW AS $99^{\text {c }}$

Precision planetary drive vernier dials with approximately 8 to 1 ratio. Mounts on panel surface and has accurately centered metal inserts for $1 / 4^{2 \prime}$ shafts. Metal dials are brushed silver finish with deeply eiched and black filled engraving to provide maximum legibility even under poor lighting conditions. Reads counter-clockwise 0 to 100 in $180^{\circ}$. Uses tough scratch resistant fluted molded knob and housing for sure grip. Phosphor bronze and brass utillied lor internal parts, Imported. Average shpg. wt., 7 ors.
Fig. E. 36 MM ( $14 / \mathbf{2}^{\prime \prime}$ ) Diameter Vernier Dial, $1 \mathrm{Kt}^{\text {" }}$ ' from front to back 99 P 60311
FIg. D $50 \mathrm{MM}\left(2^{\prime \prime}\right)$ Diameter Vernier Dial, 1 from front to back 99 P 60303
Fig. C $70 \mathrm{MM}\left(27 / \mathrm{m}^{\prime \prime}\right)$ Diameter Vernier, $14{ }^{2}$ "from front to back
99P 60295
Net . 99

## TINY TUNING CONDENSER-with DIAL

 - For Transistor and Miniature Circuits - Only 1" Square, Ki" Deep - 385 pF . Polyethylene Dielectric A new "Poly-Vari-Con" model for use in TRF broadcast-band and experimental receivers. Complete with good tooking clear plastic tuning dial with caliorations from 530 to 1600 mHz . Capacity variable from 10 to 365 pF . Knurled dial is $114^{\prime \prime}$ diam.; rotation is $180^{\circ}$ Dial is mounted to condenser shaft br Ko" diam, chrome.plated threaded retainer. Imported. Shpg. wit., 3 oz.
## 99 P 62176

## nATIONAL BALL REDUCTION

 DRIVE FOR PRECISE TUNINGEffictent drive in ratlos of $5: 1$ and 10:1. Shaft size $1 /{ }^{\prime \prime}$ : Efemale coupling one end, $\uparrow$ male shafts both ends.
 Shipg. wis, 4 to 8 oz .


Slock No. Type Reduction Net E.

| $32 P 51352$ | NBD1-1 | $5: 1$ | 4.28 |
| ---: | ---: | ---: | ---: |
| $32 P 51360$ | NBD1-2 | $5: 1$ | 4.81 |
| $32 P 51378$ | NBD2-1 | $10: 1$ | 4.93 |
| $32 P 51386$ | NBD2-2 | $10: 1$ | 5.43 |

## DIAL CORD

Handy spools of pre. stretched nyton dial

cord in sizes that cover almost all replacement needs. Breaking strength medium is 35 lbs., standard 20 lbs., thin 15 lbs. Average shpg. Wt., 402.

| Stock No. | Type | Diameter | Net. |
| :---: | :---: | :---: | :---: |
| 32 P 80187 | Medium | 040' | 2.60 |
| 32 P 80195 | Standard | .028" | 2.60 |
| 32 P 80203 | Thin | .025* | 2.60 |
| 25 Foot Spools |  |  |  |
| 32 P 80211 | Medium | .040 ${ }^{\prime \prime}$ | 83 |
| 32 P 80229 | Standard | .028" | . 3 |
| 32 P 80237 | Thin | .025" | 83 |

Plastic knobs with knurled bodies for general application. All have molded hole with set screw for mounting $V^{\prime \prime \prime}$ round or flatted shafts. Fig. C has white indicator tines. Av. shpg.wt., 2 ors.

| Stock No. | Fig. Di | Color | $\begin{array}{\|c\|} \hline \text { Net } \\ 1.24 \\ \hline \end{array}$ | $\begin{aligned} & \text { Each } \\ & 125.99 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 32 P 24177 | A $1^{\prime \prime}$ | Walnut | 18 | . 16 |
| 12 P 24165 | A $1^{\circ *}$ | Black | 17 | . 15 |
| 32 P 24201 | C 11ヶ2" | Black | 23 | . 20 |
| 32 P 24219 | C ${ }^{14 \%}$ | Black | 21 | . 11 |
| 32 P 24227 | B 3/4 ${ }^{\text {c }}$ | Maroor | 15 | 10 |

## minIature KNOBS

Plastic knob, only 5" diameter fits you shafts, for miniature components such as Ferri-loop-stich, sub-miniature pots, etc. Avg. shpg. wt.. 202.
32 P 80237 Thin .025" . 81
Make Lafayette Your One Dependable Source for Everything in Electronics

## COMMUNICATIDN RECEIVER <br> KNOBS

Molded of Tenite with easy grip knurling These knobs are 13 "i" over-all diameter with chrome plated bevel skirts. Depressed numerals are black enamelled on chrome plate. Designed to ilt $1 / 4^{\prime \prime}$ shafts. Numbered 0-10 through an arc of $300^{\circ}$ clockwise. Imported. Shps. Wt., 302.
99 P 61053
Net ea. . 36
POINTER, BAR AND LEVER KNOBS


Black knobs molded of high quality plastic. All have set screw for $1 / 4^{\prime \prime}$ round or flatted shaft, and white indicator lines. Items marked - have brass insert. Size shown is length. Av. shpg. wt., 2 or.

| Net Each |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Fis. | Size | 1.24 | 25-99 |
| 32 P 24110 | A | 2" | . 22 | . 20 |
| 32 P 24128 | C | 11/4" | . 14 | 12 |
| 32 P 24136* | C | 11/4" | 21 | .19 |
| 32 P 24144 | D | 11/4" | 17 | . 14 |
| 32 P 24151* | 8 | 15" | . 30 | . 21 |
| 32 P 24169 | E | $1 \%_{0}^{\prime \prime}$ | 17 | . 15 |

## MATCHED KNOB KITS

- Molded From Hi-Impact Plastic
- Brass Screw and Shaft Insert
- For $1 / 4^{\sim \prime}$ Round or Flat Shaft


Trim distinctive, ruoctionally styled knobs. Finished in an attractive steel gray and molded from tough hi-impact plastic, the knob is of cyllinder design with sure-grip fluted sides and an aluminum ring set in a recessed lace. Rugaed brass screw and mounting shaft insert will accept $1 / 4^{\prime \prime}$ round or flat shaft. Each kit contains 5 knobsall same size. imported. Shpg. Wt., 5 oz.
 99 P 61145

Net .69
1" Diam., "Ko" Deep Kit of 5
99 P 61160 Net .89
FLUTED KNOBS


Black fluted knobs, with and without skirt. Made of thermosetting plastic with high gloss finish. All have recessed brass insert and set screw. Mount on $1 / 4$ " round or flatted shaft. shpg. wt. 3 ors.

| Stock No. | Fit. | Diam. | Mght | $\begin{gathered} \text { Net } \\ 1-24 \end{gathered}$ | $\begin{aligned} & \text { Each } \\ & 125.99 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 24060 | A | 1293 | \% ${ }^{\text {" }}$ | . 33 | . 31 |
| 32 P 24078 | A | 134* | 130* | . 37 | . 34 |
| 32 P 24086 | A | 15** | 3/4* | . 39 | . 36 |
| 32 P 24094 | B | $11 / 2$ | 1\%" | . 12 | . 65 |
| 32 P 24102 | 8 | 2K." | ${ }^{137101}$ | . 8 | . 72 |

# Coils－Coil Forms－Coil Winder 



A



## UNSHIELOEO MIMIATURE TRANSISTOR OSCILLATORS

（Fis．A）The 34 P 88012 oscillator coil（Re－ vised 5 －lug）is designed for use in a con－ verter osclilator circuit．The 34 R 87022 os－ cillator coll（ 6 －lug）is tor use where a sep－ arate transistor is used for the oscillator and another transistor for the mixer．I．f．Freq． 455 mHz ．Ave．Shpg．wt． 302. Dimersions： $3 / \mathrm{spg}^{*}$ y $\mathrm{j}=\mathrm{high}$

| Stock No． | Miller | Capacity | Net |
| :--- | ---: | ---: | ---: |
| $\mathbf{3 4}$ P 88012 | 2020 | 365 mmf | 2.10 |
| 34 P 87014 | 2022 | $78-100 \mathrm{mmf}$ | 2.10 |
| 34 P 87022 | 2023 | 365 mmf | 2.10 |

MILLER WIDE RANGE AOSUSTABLE INOUCTORS


For immediate application in many proto－ type designs where the exact value of the required mductance is not known．Induc－ tion measured at 1000 Mz ．Dimensions： max．dia． $3 / 4^{-x} \times 11 / 4^{-}$lone．Specifications for tapped are identical to untapped of refer－ ence types shown．Column headed＂Ratio＂ refers to the tolat number of turns on the coil to the number of turns to the isp． Shpg．wt．， 3 oz．

| Untapped |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock He． | Trpe | 1 Min． | 1 Max． | N |
| 34 P 89846 | 9001 | $40 \mu \mathrm{~h}$ | 240 MM | 1.59 |
| 34 P 89053 | 9002 | ． 180 MH | ． 800 MH | 1.80 |
| 34 P 89861 | 9003 | ． 570 MH | 2.80 MH | 2.16 |
| 34 P 89095 | 9006 | 12.0 M ${ }^{\text {M }}$ | 40.0 MH | 3.27 |
| 34 P 89911 | 9008 | 78.0 NH | 240．MH | 3.39 |
| 34 P 86511 | 9009 | 180．MH | 750．MH | 3.54 |


| Stoch Me． | Tapped | Ref． |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Ippe | Ratio | Wet |
| 34 P 89937 | 9012 | 9002 | 204／68 | 2.16 |
| 34 P 89945 | 9013 | 9003 | 376／128 | 2.52 |
| 34 P 8997 | 9016 | 9006 | 1480／493 | 3.27 |
| 34.89994 | 9018 | 9008 | $3860 / 1286$ | 3.70 |
| 34 P 86529 | 9019 | 9009 | $6100 / 2030$ | 3.95 |

## －STANDARD ADJUSTABLE

 CERAMIC FORM AND R．F．COILSPermeablity tuned coils wound on sillicone impregnated ceramic forms．Hardware neces－ sary for assembly is supplied．
 fong．Shpg．wt．， 3 oz．

| Steck We． | Type | Marohenries | Mel |
| :---: | :---: | :---: | :---: |
| 34.85515 | 4400 | Form Only | 2.15 |
| 34.87535 | 4404 | 1．6－3．1 | 2.66 |
| $34 P 87543$ | 4405 | 3．3－6．5 | 2.70 |
| $34 P 87550$ | 4406 | 7．3－14 | 2.77 |
| 34P1558 | 4407 | 16－29 | 2.84 |
| 34 P 87576 | 4408 | 33－66 | 3.02 |
| 34 P 87584 | 4409 | 74－124 | 3.10 |
| 34 P 87592 | 4410 | 138－238 | 3.13 |
| 34 P 87600 | 4411 | 270－451 | 3.17 |
| 34 P 87634 | 4414 | 1400－2000 | 3.24 |



10．7 MHz TRANSISTOR I．F．＇s
（fit．F．）A complete series of IF Transform． ers specifically designed for operation with transistors．Single funed If＇s and double tuned ratio detector．Size：if－${ }^{13} \mathrm{~cm}^{\prime \prime}$ sa．\＃
 $1 / 2^{\sim}$ high．shipg wL， $30 \%$ ．

Met Ea．

| $34 P$ 80145 | 2070 | 1st IF | 3.42 |
| :--- | :--- | :--- | :--- |
| $34 P$ 89152 | 2071 | 2nd If | 3.42 |
| $34 P$ 80t60 | 2072 | 3rd If | 3.42 |
| $34 P 88178$ | 2073 | Ratio Def． | 4.07 |

## HORIZONTAL LINEARITY AND WHOTH CONTROLS

Iron core variable inductance colls for line－ arity and width adjustment．Wound on a bakelite form $7 \mathrm{H}^{\boldsymbol{m}}$ in diameter．MLs．clip fits K＂hole，6300＇s－phenolic form．Avg． shpg．wt．， 4 oz．



## 3－SECTION R．F．CHOKES

Sire： 3 ／＂dia．I $3 / /^{* *}$ long． Shpg．w1．， 3 oz．
Takes advantage of hugh permeability of fer． rite cores．This choke combines hish induct－ ance and low O．C．resistance．
stock wo．Miller mh ohms Max ma Met $\begin{array}{llllllll}34 & P & 88293 & 4852 & 1.0 & 19.8 & 125 & .95\end{array}$

RESINITE ADIUSTABLE R．F．CDILS

iResinite is a phenolic impregnat． ed tubing which can be certitied to MIL．P． 798 type PBG．Combines good mechanical and electrical characteristics．Dimensions： $1 / 4{ }^{\text {＂}}$ dia．$x$ 1／4s long．Avg．shpe．wis．

## MINIATURE ADJUSTABLE R．F．COILS

| Stock No． | Miller Type 20a－ | Min，$\mu \mathrm{h}$ ． $\pm 5 \%$ | $\begin{aligned} & \text { Max. } \mu \mathrm{m} . \\ & \pm 10 \% \end{aligned}$ | Atet |
| :---: | :---: | :---: | :---: | :---: |
| 34 P 89440 | 107日̄в | ． 088 | 120 | 1．c9 |
| 34P 89416 | 157RBI | ． 108 | 180 | 1.58 |
| 34 P 99374 | 687RBI | 508 | 816 | 1.76 |
| 34 P 8935 | 106R8｜ | 885 | 1.20 | 1.76 |
| 34 P 99368 | 156RBI | 1.08 | 1.80 | 1.78 |
| 34 P 89333 | 226R81 | 1.62 | 2.64 | 1.76 |
| 34 P 89341 | 336R日I | 2.38 | 3.96 | 1.78 |
| 34 P89325 | 696R日 | 5.08 | 8.16 | 1.7 |
| 34 － 89275 | 155日81 | 10.8 | 18.0 | 1.38 |
| FOR SELECTION OF MAGNET WIRE See Page 282 |  |  |  |  |

## COILMASTER OELUXE ACCURATE COIL WINOER

Latest redesigned model gives even greater accuracy than ever to meet modern requirements．Easy－to－use set winds honeycomb，spiderweb ald solenoid coils of various widths and diameters－equat in appearance to a factory job．Also sultable for winding chokes．trans－ formers and filter inductors．Indicator counts number of turns on coil．Uses 22 to 40 wire．Supplied with accessories including wood spools，metal pegholders and exfension lor making long solenoid coils．Instruc－ fions incfuded，but less coll form and pegs．Shpg．wt．． 32 p a7018

UNIVERSAL ADIUSTABLE OSC．COIL
（Fig．D．）Adjustable iron core oscillator coll for general replacement use．RF freq． 500 － 1800 kHz ，If freg． $100-500 \mathrm{kHz}$ ．Dimenstons

34 P 97048 miller Type 71 －OSC

## HIEH－Q R．F．COHLS

（Fis．E．）A complete line of unshtelded per－ meability tuned colls for replacement use or as the front end components in new receiver design．Ranges shown are for use with a 365 mmid variable tuning condenser．

Stech Mo．Willer No．
－
Use
LONG．Wave colls（140－420 kHiz） 34 P $97063 \times-5495-A$
34 P a7071 X－5495－RF
34 P $17089 \times-5495-\mathrm{C}$ 34 P ajose x－5495－C standard Of AF Stage 34 P 17097 X－5496－C Tepord Osc． 455 kHz Any of above

Net ea．3．42
BROADCAST BANO COILS（ 540.1700 hHz ） 34 － 07105 A．5495－A

Antenna Stage 34 P 07113 A－5495－RF AF Stage 34 P B7139 A－5496－C Tapped Osc． 455 kHz

MEDIUM WaVE COHS（ 1.75 .5 MHz ） 34 P 87147 B－5495－A Antenna Stage 34 P $071548.5495-R F \quad$ RF Stage 34 P 87162 B－5495－C Standard Osc． 455 thz 34 P 88186 B－5496－C Tapped Osc． 455 kHz SHORT WAVE 8ROADCAST COILS（S－18 MNI） $34 \mathrm{P} 07519 \mathrm{C}-5495 \cdot \mathrm{~A} \quad$ Antenna Slage $34 \mathrm{P} 07170 \mathrm{C}-5495$－RF RF Stage 34 P 8110 C －5496．C Tapped Osc， 455 kHz

HIGH FREQUENCY COILS（12．36 MHz） $34 \mathrm{P} 87204 \mathrm{D}-5495$ A 34 P 87212 D－5495－RF

Antenna Stage
34 P 07238 D－5496－C Tapped Osc． 455 kHz Any of above

## HIGH－Q FERRITE ANT．COIL

（Fig．6）Highly efficient broadcast band an－ tenna coil for use in small receivers where no erternal antenna is desired．High－per－ meability low loss ferrite tuning core．Freq． range， $540-17004 \mathrm{~Hz}$ ．Supplied with mounting bractet and $18^{\prime \prime}$ polyethylene insulated an－ tenna wire．Size： $3 / 8^{-} \times 2 \mathrm{Y}_{4}{ }^{*}$ ．WL， 3 oz ． 34 P $\quad 7055$ Miller $6300 \times 24$ ．Net 1.52
SUBMINIATURE AOJUSTABLE R．F．COILS
These compact adjustable coils offer a minimum two－to－one in． ductance range with relatively small changes in 0 ．The tuning adjustment is accessible from either the tap or boftorn of the coil assembly．Magnetic and elec－ trostatic shielding．Printed circuit terminats Size： $1 / 2^{\prime \prime}$ sq．$\times{ }^{5} \mathbf{y s}^{\prime \prime}$ high．Avg．Shpg．wt．， 3 oz． Multer Typical
Type Dist．
Stoch Mo．No．L Min．I Max．C（Dif）Net 34 P $895129054 \quad 28.0 \mu \mathrm{~h}$ 60．0 9 h h 11.02 .77 34 P9598 $9056120.0 \mu \mathrm{~h} 280.0$ h h 9.02 .77 34 P19614 $9058650.0 \mu \mathrm{hh} \quad 1.3 \mathrm{Mh} 8.02 .14$ 34 － $896229059 \quad 1.3 \mathrm{Mh} \quad 3.0 \mathrm{Mh} 16.02 .84$ 34 P $89630 \quad 9060 \quad 3.0 \mathrm{Mh} \quad 10.0 \mathrm{Mh} \quad 7.0 \quad 3.13$ 34 P $9640 \quad 9061 \quad 8.0 \mathrm{mh} \quad 20.0 \mathrm{mh} 7.0 \mathrm{3.13}$ $34.895559062 \quad 15.0 \mathrm{Mh} 40.0 \mathrm{Mh} \quad 7.03 .13$ 34 P $8963 \quad 9063 \quad 20.0 \mathrm{Mh} \quad 60.0 \mathrm{Mh} \quad 10.0 \quad 324$

## ECONOMY ADHSTABLE

## R．F．CHOKES

A recently developed nylon molding process makes possible an inexpensive line of ad－ justable chohes．They are adjustable from elther the pop or the bottom，giving you design flexibility．Mounting is achieved by way of a metal clip in K Ka＂Mole．Dimen－ stons：tha1\％＂long．shpg．Wt．， 3 oz．

| Steck Ne． | Miller Type | Mierehenries | Wet |
| :---: | :---: | :---: | :---: |
| 34 P 99507 | 4200 | Form anly | 98 |
| 34 P 99762 | 4202 | 1－2．5 | 1.30 |
| 34 P 89770 | 4203 | $2 \cdot 5.5$ | 1.34 |
| 34 P 89788 | 4204 | 5.12 | 1.37 |
| 34 P 89796 | 4205 | 10－25 | 1． 40 |
| 34 P 89804 | 4206 | 20.55 | 1.49 |
| 34 P 99812 | 4207 | 50.140 | 1.53 |
| 34 P49820 | 4208 | 120.330 | 1.56 |
| 34 Pe9838 | 4209 | 310.860 | 1.30 |

## Coils and Chokes

## MILIER COMMUNICATIONS I.F. TRANSFORMERS

esigned for experimental use in communications equip ment where selectivity and stability are important. The $100 \mathrm{kHz} \mathrm{I} . \mathrm{F}$. Iransformer and BFD coll are intended for ube application, while the 455 kHz crystal filter I.F transformers have taps on the winding to allow for use with both lubes and transistors. The 1800 kHz I.f. trans former offers the best possible " $Q$ " with stability to give a degree of selectlivity that compares with lower fre quency I.F. transformers. This transformer is for use with tubes only. Type number 1770 is a double tuned I.F transformer having taps on both Primary and Secondary winding. Dimensions: $34^{\prime \prime}$ by $3 / 4^{" \prime}$ by $2^{\prime \prime}$ high. Average shpg. wt., 40 t.

| Stock Mo. Type | Description |
| :---: | :---: |
| 34 P 86404709 | $100 \mathrm{KHz} \mathrm{I.F.-2.5} \mathrm{kHz}$ Band |
| 34 P 87840710 | $100 \mathrm{hHz} \mathrm{I.F.-3}{ }^{\text {kHz }}$ Bandw1 |
| 34 P 87857711 | 100 kHz B.F.O. |
| 34 P 87865725 | 455 kHz Crystal Filter I.F. |
| 34 P 87873726 | 455 kHz Crystal Filter I.F. |
| 34 P 87881727 | 455 kHz B.F.O. |
| 34 P 87899730 | 1800 kHz 1.F.-25 kHz Band |
| 34 P 87907770 | 455 kHz Double Tuned Tran |
| 34 P 87915731 | 1610 kHz Link Coupling Coll |
| 34 P 86412732 | $1650 \mathrm{kHz} \mathrm{I.F}$. |
| 34 P 86420733 | 1650 kHz Printed Circuit I.F. |
| 34 P 86438740 | 9 BHz S.S.B. Indut Jrans. |

A new series of R.F. Chokes taking advah. tage of the high permeability of ferrite cores. These chokes combine high Induct. ance and low D.C. resistance. Sire: $1 /{ }^{\star}$ diameter $x \geqslant /^{\prime \prime}$ long. $11 / 2^{\prime \prime}$ axial leads.

frequency selective r.f. CHOKES
Designed for maximum effl. ciency and highest impedance at specific operating frequencies, this group of R.F. chokes eliminates the designers tash of attempting to choose the best coll for a particular application. De. signed to cover the major Amateur, Industrial, and Citirens bands. Shpg. wt. 3 02.


MILLER HEAVY Molded powdered iron OUTY HASH CHOKES

| Stock No. | Part | $\begin{aligned} & \text { Uh. } \\ & \pm 20 \% \end{aligned}$ | Ohms Max. | Amp. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 P 86586 | 5218 | 3.35 | . 010 | 13 | 1.85 |
| 34 P 86594 | 5220 | 8.8 | . 021 | 5 | 1.85 |
| 34 P 86610 | 5240 | 40.0 | . 082 | 2 | 1.32 |
| 34 P 86602 | 5248 | 68.0 | . 054 | 5 | 1.50 |
| 34 P 86628 | 5250 | 100.0 | 216 | , | 1.50 |

## STANBARD ANTENNA

 ANO R.f. COILSDesigned to cover the broadcast band from 545 to 1580 kHz ( 190.550 meters) with a 365 mid tuning condenser High imoedance oimares wound with Litz wire. Shielded coils are in black crackle finlsh, non magnetic can. $1 \%{ }^{* \prime}$ in diameter, $212^{*}$ high. unshielded 4 shlelded. Average sapg. wh.. 4 oz.

| Stock No. | Meis sner | Description | Net |
| :---: | :---: | :---: | :---: |
| 32 P $55 \overline{205}$ | $14.1010^{\circ}$ | Ant. Coll | 3.72 |
| 32 P 55213 | 14-1004 | Ant. Coil | 3.72 |
| 32 P 55221 | 14-1011* | Rf Coll | 2.79 |
| 32 P 55239 | 14-1005t | Rf Coil | 3.72 |

## LAFAYETTE MINIATURE IF TRANSFORMERS ANO OSCILLATOR COILS



## NET

 EACH $59^{c}$Slug-tuned printed circuit mounted miniature If transformers. All have 455 kHz intermediate Irequency. Each with schematic and in contacts. Ideal replacements for Japan. ese transistor radios, Shpg. Wt., 2 oz . Im . Dorted. All Units only ${ }^{\prime \prime}$ " Sq. and Ko" High. 99 P63000 Osclliator coll Inductance - P63000 $270 \mu \mathrm{~h}$.

99 P 63018 Ist If; prl. 70,000 ohms. sec. 1500 ohms
99 P 63026 2nd If: pri. 50,000 ohms, sec. 99 P 63034 3rd IF: pri. 30,000 ohms. sec. 3rd if: pri

Net ea. . 59
Any of above $\qquad$

## 455 kHz UNIVERSAL I.F. TRANSFORMER FOR BRDADCAST ANO CITIZENS BANO

## 1 69 <br> Pair

- Only $3 / /^{\prime \prime}$ Square. Pachage of 2

The most popular replacement I.F. Ideal for experimenters. Exceptionally high gain powdered iron core, compresslon tuned 455 hHz midget I.F.-onty $7 / 4^{" 1}$ square by $17 /{ }^{*}$ high. For both input and output circuits. Suphied with mounting clip. Shps. Wt. 8 ors. 32 P 019932 per Pkg. ............Net 1.69


## MILLER TRANSISTOR ANTENNAS

## MINIATURE



Has an inductance of $240 \mu \mathrm{~h}$ and is designed for use with a standart variable condenser having a marimum capacity of 365 mmf . Frea range $540.1650 \mathrm{kHz}, 0$ @ 790 kHz 550 . Shpr. wt., 402.
34 P 87485 Type 2001 Net 2.28
standaro


Has a fixed inductance of 240 wh and covers a band of 540.1650 kMz . Large pickup area and high Q. Maximum tuning capacity 365 mmf. @ 790 kHz . 450. Shipg. wt., 302. 34 P B8!94 Type 2000

Wound on ceramic form except R33, R50 and R60 series on bakelite. All have fungus resistant varnish coat. Type R33 is 2 section, R50 are 3 and 4 section. Types with $t$ mounted on fixed standeff insulator. Types ending in $U$ have removable standoff. Shpg. wt., R-154U, 5 or. All others, 2 or. $\ddagger=$ Millihenries * = Microhenries.


## TRANSISTOR TAPPED VARIABLE ANTENNA COIL

## 

- Boosts Signal Pickup
- Super-Selective!

Specially designed for matching the fow Input impedance of transistors. Maximum transfer of slgnal energy from funing stage when used with 365 to 420 pF variable capacitors, as well as in minimum laading by first transistor stage for sharper tuning and with a " $a$ " of up to 250 . With adjustable territe core for maximum peaking. Single hole snap-in mounting, plus bracket. Efti cient at all angles. Size: $21 / 2 \times 1 / 2^{\prime \prime}$ diam.
32 P 01985 Shpg. wt., 4 oz. ......Net 1.19

## FERRITE ANTENNA KIT

 - Antennas forTransistor Radios fll 3

- High "Q" for Top
Reception

Three sizes of flat ferrite antennas. Each has a high inductance of 480 microhenries. Tapped leads are color coded. Designed to match most AM transistor radios. Matches tuning con denser sect. 167.5 - 8 pF . osc. sect. 75 . 8 pmF Sizes: (1) $13 / 4 \times 3 / 8 \mathrm{x}$ $1 /{ }^{*}$ (2) $21 / 4 \times 3 / 6 \times 1 / 6$
 99 P62275Wt., 3 oz.Net. 79


## ferrite strip

Has an inductance of $240 \mu \mathrm{~h}$ and is to be used with condenser having a maximum capacity of 365 mmf . Freq. range $540-1650$ $k H z .0 @ 790 \mathrm{kHz}, 500$. Shpg.wt. 302. 34 P 88202 Type 2004 Net 2.55

## SUB MINIATURE



Adjustable antenna coll with high Q ferrite cores. Inductance range for 2002 is 40 $300 \mu \mathrm{~h}$, for 2007. $150 \cdot 1000 \mu \mathrm{~h}$. Freq. range 540.1650 kHz . © © 790 kHz for 2002, 250; or 2007, 220. Tunine capacity 2002, 250. 450 mmf : 2007. 100.250 mmf . Wt., 4 oz .
34 P 87493 Troe 2002 Net 1.80 34 P88210 TyDe 2007 Net 2.25

## RELAYS - RELAY TOOLS - COUNTERS

SENSITIVE MINIATURE RELAY


Entremely small. sensitive relayweighs only $1 / 2020$ ! Double.pole double-throw, with silver and sil-ver-gold-piatinum alloy contacts. Contact handle up to 100 volts at 300 ma ( 30 watts). Coil measures 5.300 chms DC resistance-rated at 4.1 ma , DC pullin current, 0.95 ma . DC, drop-out. Enciosed in transparent plastic dust cover; Operating time 2.8 millisecs; release time about 1.5 msecs. Ereakdown voltaze rating: coll to frame, 500 V , contacts to frame 350 V , Meas
 photocell relay, cartier-current control and dozens of other miniature applications. imported. Shpg. wt., 402.
OPDT Miniature OC Relay
99 P 60931
Net 3.25
HAND TALLY REGISTER


- 4 Digit Capacity
- Counts 0.9999
- Single Turn Reset Knob
Reaistefis 0 to 9999 . Highty pollished chrom. lum plated brass case. Attached finger-ring and compact shape for comfort in holding. Plunger operated for smooth, easy action. Large, cleafly read numerals, Knurled reset unod sets register to zero In one turn. Precision accuracy for lab, school and In. dustrial users. Invaluable for inventory con-trol-cate chechins-traffic, etc. SmaH size, aporoximately 1\% z 13/. Permits concealed operation. imported. Wi. 5 oz. 99 P 90300 ..................................Net 2.79


## 5-DIGIT STROKE-ACTUATED



Easy-to-mount rugged counter for counting machine operations. One count per stroke. Orified moumting fiange: actuating arm and spring. May be manually or solenoid actuated. Reads up to 99,999 ; side knob easily resets to zero from any number. Overall size: $21 / 2 x 11 / 2 x 13 / \mathrm{H}$. Imported. Wt., $1 / 2 \mathrm{lb}$. 99 P 90292
. Net 3,80

## 6-DIGIT ELECTRIC COUNTER



- Registers from 1 to 999,999

May be actuated by any switch, relay, efc, Operates in any position, White figures on a black background read up to 999,999 . Bultt-in selenium rectitier. DC operated solenoid, chrome-plated. $6^{\circ}{ }^{\circ}$ leads. $110 \mathrm{~V}, A C, 50 / 60$
 3\% $32^{\prime \prime}$. Imported. Shpg. wt., 1th 99 P90110
.Net 14.95


Compact penfile for cleaning and burnishing relay contacts. Replaceable steel blades leave no residue. Plastic cap permits working on "llive" contacts. Chromed barrel with pocket clip. With 12 blades. Sire: $36 \times 51 / 2^{\prime \prime}$. Shpg. wt., 302.
P4. Penfile wilh 12 RB-4, $1 / 4 x 124^{\prime \prime}$ blades. 12 P 22058 Net 4.82
P.6, Pentile with 12 B-6. */ $\times 17 / 4^{\prime \prime}$ Diades. 12P 22066 Net 4.82 R8-4, Replacement blades for P-4, plg. 25. 12 P 22074 Shpg. wt. 3 oz. ....Net 5.02 R8-6, Replacement blades for P-6, phg, 25. 12 P 22082 Shpg. wt., 4 oz. ...Net 5.02
J.W. MILLER "00-TT-YOURSELF"

A naturat for remote control recelvers, it is highly sensitlye, and built to withstand severe crashes. The smallest commercial job available, it weighs less than $1 / 2 \mathrm{oz}$. Factory adjusted to pull in at 1.4 MA drop out at 1.2 MA D.C. Single pole, double throw. Used in many R/C receivers. 5,000 ohm coil. Imoorted.

## 99 P 60915



## LAFAYETTE

 HIGH SENSITIVITY meter relay- Meter Movement - Closes Circuit at 2 Mils
Extremely sensitive meter type relay. Normally open. Ideal suited for uses with model railroad, photoelectric relay circuit, baby. tenders, remote control toys, remote control boats, fire zlarm, and many other practical applications. Precision-buit meter move. ment provides virtuatly friction-free movement. Contact will close at 2 miliamps. In. ternal resistance 100 ohms. Meter movement rated 5 ma continucus, 10 ma momentary; contacts rated 500 ma continuows. momen. tary 1 amp at 3 v and 250 ma at $6, \mathrm{v}$ with resistive load. Sensitivity: $2.5-.6 \mathrm{~mm}$. Internally adiustable. Relay is enclosed entirely and transparent cover permits observation. Solder pins are placed externally for easy connections SPST. Sire: $13 \times 15 / 4 \times 13 / \mathbf{m}^{\prime \prime}$. 1 m . ported. Shpg. wi., 5 ors.
99 P 61996
Net 4.35


## OOW KEY "60" COAXIAL RELAY

Type 60-262842. Heavy duty SPDT coaxial re.
lay rated 1 Kw . Impe. lay rated 1 KW . Impe.
dance 50 ohms. Life, over $1,000,000$ operations. VSWR, less than
 1.15:1 from 0.500MHz. Greater than 100 db isolation between recelver and transmitter lines from $0-500 \mathrm{MHR}$. With UHF coasial con. netiors and 2 Form C Aux. contacts. Coil Voltage, 115 VAC , Size: $3.00 \mathrm{P} 0.88^{\circ}$. Wt. 12 oz . 40 P 52015 No Money Down Nel 41.85

IONARD RELAY TOOLS
POCKET CLEANER-BURNISHERS


An Ideal relay kit for experimenters, ama. teurs, hobbyists, industrial use or engineer. ing prototypes. Features interchangeable coils requiring only one screw for simple cail installation. Coils available for specified voltates, contacts rated for 10 and 15 Amps , Single, Double, or 4.Pole Double Throw. Con. tacts are gold-plated over fine sifver for long Whe and trouble free operation. Contact assemblies factory adjusted for optimum opera. tlon Shpg. wt., Coils 4 or. Contact Assem. blies 8 ar.

STANDARD COILS

| Steci $\mathrm{Na}_{\text {. }}$ | Yoits M | Nilliamps Oims | Net |
| :---: | :---: | :---: | :---: |
| 30.11004 | 6 VDC | $500 \quad 12$ | 2.98 |
| 30 P 11012 | 12 VDC | $240 \quad 50$ | 2.90 |
| 30 P 11020 | 24 VOC | 120180 | 2.98 |
| 30 P 11038 | 32 VOC | 128 250 | 3.50 |
| 30 P 11046 | 115 VOC | 26 4,500 | 3.85 |
| 30 P 11053 | 115 VAC | $80 \quad 900$ | 3.15 |
| 30 P 11068 | 230 VAC | 303,000 | 4.20 |
| 30 P 11079 | 150.350 | 19 10,000 | 2.98 |
| STANDARD CONTACTS |  |  |  |
| Stach fe. | Trpe | Amps | Wet |
| 30 P 11007 | SPDT | 110 |  |
| 30 P 11095 | DPDT | 110 | 4.41 |
| 30 P 11103 | 4PDT | 10 | 7.00 |
| 30 P 11111 | SPDT | - 15 | 3.36 |
| 30 F 11129 | DPDT | 15 | 5.00 |

ALCO ISOLATION
CONTROL RELAYS
As Low As


- No More Hot AC line Dangers In Your Equipment Switches and Controls!
Permits any on-oft power switch or conirol circuit to be isolated from the dangerous AC lime voltase and to lie operated sateh. Excellent for remote operation of vacuum cleaners. TV sets, electric lawn mowers, floor scrubbers, heating systems, burglar alarms, slide projectors, attic lans, slereo hi-11, machine control, etc. Handle up to 600 Watts of power and may be operated from remote switches up to several hundred feet away. With 6 inch leads and two $8 / 32$ thread mounting holes, Size: Model Fith-105 $=1.770^{\circ} 1 \times 1.319^{\prime} \mathrm{W} \times 1.385^{\prime \prime} \mathrm{H}_{\text {; }}$ Model FR. $102=2.130^{\prime \prime} \mathrm{L}$ x $1.733^{\prime} \mathrm{w}^{\mathrm{x}} 1.531^{\prime \prime} \mathrm{H}$ Model FRE. $103=2.800^{\circ} \mathrm{I} \times 2.000^{\prime} \mathrm{W} \times 1.440^{\circ} \mathrm{H}$. Shpg. wt., 802.

Circuit Resint. Net
Stoch mo. Model Contacts Circuit Resint. Net $30 \mathrm{P} 12036 \mathrm{FR}-105 \mathrm{SPST} 50 \mathrm{ohms} 3.05$ 30 P 12010 FR-102 SPDT 300 ohms 4.45 30 P 12028 FRE-103t SPDT 400 ohms 4.95 $t=A C$ Outlet Plug-in types. Has side jach for plug-in of remote switch or sensor.

Five plunger operated taliy registers in a single highly polished chromium plated case. Ideal for (1) laboratory use (2) ifme \& motion studies (3) production controt. Each 3-digit register counts up to 999. Easy-fo-read numerals. Large knurled reset innob on side returns all 5 posilions to zero simulianeously, Overall siter $5 \mathrm{~V} / \mathrm{WW} \times 17 / \mathrm{mal} / \mathrm{o}_{0}{ }^{2} \mathrm{D}$. Imported. Shpg. wt., 1 to.
99 P90318

# Amperite . . . Hart-Advance . . . Kurman Relays 

AMPERITE THERMDSTATIC DELAY RELAYS
mester-actuated time-delay relays. Operate on AC. DC or puizating current. Hermeticalty sealed in glass envelope with octal base. SPSS. normally open, closed by heater after delay (in sec.). Heater oraws only 2 watts. Conlacts rated 3 amp . at 115 V AC or 1.0 amp . at 220 V AC. 5 hpe. wt., 5 oz. Size $2 \psi^{* *} \times 11 / 4^{\circ}$ diameter.

|  | Nermatly Open |  | Narmaliy Closed |  |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Oelay } \\ & \text { Sec. } \end{aligned}$ | $\begin{gathered} 6.3 \mathrm{~V} \\ \mathrm{AC} .0 \mathrm{C} \end{gathered}$ | $\begin{aligned} & 115 \mathrm{~V} \\ & \mathrm{AC}-\mathrm{CC} \end{aligned}$ | $\begin{gathered} 6.3 Y \\ A C-D C \end{gathered}$ | $\begin{aligned} & 115 \mathrm{~V} \\ & \mathrm{AC.OC} \end{aligned}$ |
| 2 | 33 P 35015 | 33 P 35148 | 33 - 35254 | 33 P 35397 |
| 5 | 33 P 35023 | 33 P 35155 | 33 P 35262 | 33 P 35395 |
| 10 | 33 P 35031 | 33 P 35163 | 33 P 35270 | 33 P 35403 |
| 15 | 33 P 35049 | 33 P 35171 | 33 P 35288 | 33 P 35411 |
| 20 | 33 P 35056 | 33 P 35189 | 33 P 35296 | 33 P 35429 |
| 30 | 33 P 35064 | 33 P 35197 | 33 P 35304 | 33 P 35437 |
| 45 | 33 P 35072 | 33 P 35205 | 33 P 35312 | 33 P 35445 |
| 60 | 33-35000 | 33 P 35213 | 33 P 35320 | 33 P 35452 |
| 75 | 33 - 35098 | 33 P 35221 | 33 P 35338 | $33 P 35460$ |
| 90 | 33 P 35106 | 31 P 35239 | 33 P 35346 | 33 P 35478 |
| 120 | 33 P 35114 | 33 P 35247 | 33 P 35353 | 33 P 35486 |
| 150 | 33 P 35112 |  | 33 P 35361 |  |
| 180 | 33 P 35130 |  | 33 P 35379 |  |
|  |  |  |  | cea. 2.40 |

Miniature Relays. Same type delay relays as above, avallable in minia. fure size, with delays from 2 to 120 Sec. Contacts rated 2 Amps. at 115 VAC or 1 Amp. at 220 VAC. Has 9 pin miniature base. Sire: 2 约 I 7/idia. Shpg. wt. 4 oz.

| Normally Open |  |  | Normally Closed |  |
| :---: | :---: | :---: | :---: | :---: |
| 0etay Sec | $\begin{gathered} 6.3 \mathrm{~V} \\ \mathrm{AC} .0 \mathrm{C} \end{gathered}$ | $\begin{aligned} & 115 V \\ & A C-D C \end{aligned}$ | $\begin{gathered} 6.3 V \\ C-0 C \end{gathered}$ | $\begin{gathered} 115 \mathrm{~V} \\ \mathrm{AC}-0 \mathrm{C} \end{gathered}$ |
| 2 | 33 P 35494 | 33 P 35601 | 33 P 35718 | 33 P 35825 |
| 5 | 33 P 35502 | 33 P 35619 | 33 P 35726 | 33 P 35833 |
| 10 | 33 P 35510 | 33 P 35677 | 33 P 35714 | 33 P 35841 |
| 15 | 33 P 35528 | 33 P 35635 | 33 P 35742 | 33 P 35458 |
| 20 | 33 P 35536 | 33 P 35643 | 33 P 35759 | 33 P 35866 |
| 30 | 33 P 35544 | 33 P 35650 | 33 P 35767 | 33 P 35874 |
|  | 33 P 35551 | 33 P 35668 | 33 P 35775 | $33 \text { P } 35882$ |
| 60 | 33 P 35569 | 33 P 35676 | 33 P 35783 | $33 \text { P } 35890$ |
| 75 | 33 P 35577 | 33 P 35684 | 33 P 35791 | 33 P 35908 |
| 90 | 33 P 35585 | 33 P 35692 | 33 P 35809 | 33 P 35916 |
| 120 | 33 P 35593 | 33 P 35700 | 33 P 35617 | 33 P 35924 |
| Any | above ...un.. |  |  | Net ea. 2.40 |

## KURMAN POWER AND ANTENNA RELAYS

Power Relay: Midget heavy-duty industrial control relay for all applications requiring high-speed opera. tion. long life and reliable high current contacts. In clear polystyrene enclosure. UD to 3PDI with stand ard contacts rated at 10 hmps . Coil power 1 watt Mounting: 8 -pin octal plug-in for standard OPDT, 11 pin type plug in for 3PDT. Size: $2 K_{0} H \times 1 \geqslant{ }^{\prime \prime}$ square.
Shpg. Wt. 6 oz.

oc relays

| Stach Nom | Trpe | Volts Cantacts |  | Putl. Pull- <br> in In <br> ma Volts |  |  | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |
| 30 P 22100 | 2602C. 12VOC | 12 VDC | DPDT | 108 | 96 | 9.5 | 6.60 |
| 30 22118 | 2602C- 24VOC | 24VDC | DPDT | 428 | 48 | 20 | 6.60 |
| 30 P 22126 | 2602C-110VOC | 110VOC | DPPT | 6800 | 12 | 80 | 7.25 |
| 30 P 22134 | 2603C. 12VOC | 12VDC | 3PDT | 68 | 148 | 10 | 8.25 |
| 30 - 22142 | 2603C. 24VDC | 24 VOC | 3 POT | 270 | 75 | 20 | . 25 |
| 30 P 22159 | 2603C-110VDC | $110 \mathrm{~V} D \mathrm{C}$ | $3 P D$ | 6800 | 15 | 100 | 0.95 |

$30 P 22167 \quad 2602 \mathrm{C}$ - $115 \mathrm{VAC} \quad 115 \mathrm{VAC}$ DPOT $1200 \quad 33.7 \quad 95 \quad 6.65$ $30 \mathrm{P} 22175 \quad 2603 \mathrm{C}-115 \mathrm{VAC}$ 115VAC 3PDT $1200 \quad 33.7115 \quad .35$ Relays for 6 VOC SPOT and tor $6,12,24$ and 230 VAC SPOT, OPOT and

3 3pot available on order. 3 -week delivery.
antenna relay: powerful antenna change-over relay that can transter up to 1500 -watts RF load in. cluaing 450 MHz . High-speed DPDT self.wiping contacts. Low rf loss ensured by use of G. 7 insulating bridges. Standard operating power 1 watt. Four \#632 lapped mounting holes on $13 / 10 \times 1 \%_{0}{ }^{*}$ centers.
 dC RELAYS


| Stoch No. | Typ | Volts | Contacts | Contact Amps | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 22183 | 252C-12VOC | 12VDC | DPOT | 1.5 KW RF | 8.65 |
| 30 P 22191 | 252C. 24VOC | 24 VDC | DPDT | 1.5 KW RF | 8.65 |
| 30 P 22209 | 252C-110VOC | 110VDC | DPOT | 1.5 KW RF | 9.35 |
| ac relay |  |  |  |  |  |
| 30 P 22217 | 252C-115VAC | 115VAC | OPDT | $1.5 \mathrm{KW} \text { RF }$ | $0.65$ |

Relays for 6 VOC and 6,12 , and 24 VAC avallable in SPDT and $3 P O T$ on order, 3 weeks delivery.

# Pilot Light Assemblies 

## LAFAYETTE HOBBYIST PILOT LIGHT ASSEMBLES

## $1 / 2$ INCH VERTICAL OPEN ASSEMBLIES

## - Ideal for the Builder and Experimenter

For both minjature screw and miniature bayonet lamps. Butb replaceable from front of panel Transparent plastic dome for $180^{\circ}$ visibility except $=$ opaque. Front mounting with nichel frisish nut ond lockwasher. Solder terminals, th mounting hole. Less lamp. Im. ported. Shpg. wt., $20 z$.

| Serem Stech Nas | Color | Bayonet Net Stock Ko. Ea. | Lots of $10 \mathrm{Em} .$ |
| :---: | :---: | :---: | :---: |
| 99 P 5323 | Red | 99.83398 .46 | . 40 |
| 99.63331 | Clear | 99 P 53405.46 | . 40 |
| 95 P 83349 | Amber | 99 P 63414.46 | 40 |
| 99 P $5335{ }^{*}$ | Green | 9s P $63422^{*} .46$ | . 40 |

For operation on 110 volts $A C$. Requires 100k resistor in series. When used with 200 v . use 250 k resistor in series. AC starting voltage 60 v . Servicing life, 5000 to 10,000 operating hours. Chrome finish imported. Shpg. wt., 2 oz.

|  |  | Lets ${ }^{\text {ef }} 10$ |  |
| :---: | :---: | :---: | :---: |
| Stock 10. | Color | Net ea. |  |
| 99 P 62242 | Vellow | 45 | . 35 |
| 99 P 62259 | Amber | . 45 | . 35 |
| 99 P 62267 | Red | . 45 | . 35 |



Space saving tnexpensive pilot light for low volt. age incandescent bulbs with miniature screw or miniature bayonet bases. Faceted colored jewels Solder terminals; 3 mounting hole. Less lamp Shpg. wi., 3 oz.

K. Dome Lens

L. Square Lens

| Vets | Red lens | Anter tens |  |  | Green lens |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 34 P 52483 | 34 P 52497 |  |  | 34 P 52505 |  |
|  | 34 P 52513 | 34 P 52521 |  |  | 34 P 52539 |  |
|  | 34 P 52547 | 34 P 52554 |  |  | 34 P 52562 |  |
| Any of the above ........................................Net ea. 1. |  |  |  |  |  |  |
| SLIDE BASE LAMPS |  |  |  |  |  |  |
| Steck We | Lamp Mo. | Vells | Watts | Ent Faet Candies |  | $\begin{aligned} & \text { fach } \\ & 10-99 \end{aligned}$ |
| 34 P 51005 | 6 PSA | 5 | . 8 | 800 | . 62 | 53 |
| 34 P 51093 | 12 PSB | 12 | 2.0 | 2400 | . 62 | . 53 |
| 34 P 51101 | 24 PSB | 24 | 1.7 | 2200 | . 62 | . 53 |
| 34 P 51143 | 120 PSE | 120 | 3.0 | 1600 | .62 | . 53 |

(a)


For use on instrument panels. etc. Will last in excess of 5,000 hours. Bultt in NE-2H neon glow lamp and current timiting resistor Mounts in $1 / 2^{\prime \prime \prime}$ hole with speed nut (supplied). Complete with $41 / 2^{\prime \prime}$ leads. Operates on 95.125 VAC. Avallable with rounded, cylindrical or square tens, with chrome bezel. Shpg. wt., 202.
(A) ROUNDED LENS

34 P 52083 Red lens
34 P 52091 Amber lens
34 P 52018 Clear lens
(B) CYLINDRICAL LENS

34 P52109 Red lens
34 P 52117 Amber tens 34 P 52125 White lens Net ea. . $s$ (C) SQUARE LENS

34 P 52133 Red lens
34 P 52141 Amber lens 34P52158 White lens Nelea. . 69
(D) BUTTON TYPE LENS (Mounts in $7 \%^{\circ}$ hole)

34 P 52422 Red lens
34 P 52430 Amber tens 34 P 52448 White lens Net ea. . 69

## GLO-DOT NEON <br> PILOT LIGHTS

\section*{| As |
| :---: |
| Low |
| As |}

Especially made for tight spots. Mounts in Xo" hole with speed nut supplied. High brilliance NE-2H lamp with buitt-in resistor assures long life. UL and CSA listed. Complete with two $44 / 2^{\prime \prime}$ leads. Operates on 95-125VAC. Shpg. wt., 2 dz .
(A) MEDIUM LENS

34 P 52034 Red lens 34 P 52042 Clear lens
34 P 52059 Amber lens 34 P 52067 White lens Net ea. . 67
(B) HIGH MAT LENS

34 P 52166 Red tens
34 -52174 Amber lens 34 Ps21e2 white lens Net ea. . 5


Rectangular pilot light, lamp is high intensity neon, and unit has internal resistor. White nylon housing, chrome plated bezel. Plastic
Iens size $1 / 4 \times 12 / 12$. Mounts in hole $15 \times 5$ 130, with soced nut supplied. Operates on 95-125 VAC. Shog. wt., 2 ox.
34 P 52190 Red lens
34 P 52204 Amber lens
34 Ps 2455 White lens
.....Net ea. . 74
240
Lafayette Cat. No. 730

- 100,000 Hour Life
- For 6 or 12 Volts
- Uses AC or DC

Low voltage, low power light emitting diode pilot light. Ideal for solid-state and battery operation, 100,000 hour life; reliable, shock and vibration resistant. Mounting hole $\mathrm{K}_{4}$ ". Red only. 6 or 12 volt. Shpi. wt., 302 . 34 P 525706 Volt, Red …....Net 1.98 34 P 5258812 Volf. Red …......Net 1.91

GLO-DOT INCANOESCENT PILOT LIGHTS .59

A compact incandescent pilot light for all low voltage applications. One piece lens, body and lamp; rugged, iong life. Mountint hole $\boldsymbol{x}_{4}{ }^{\text {" }}$ dia, Wi.. 3 oz 34 P 525966 Vott. Red ..........Net 59 34 P 526046 Volt, Aed 6 ...........Net . 59 34 P 526126 Volt, Green .......Net . 59 34 P 5262012 Volt, Red ….......Net . 59 34 P 5263812 Volt, Amber ......Net 59 34 P 5264612 Volt, Green .......Net . 59

# Miniature Pilot Lamps and Sockets 



Rated at $115-125 \mathrm{~V}$. 1500 hours average use. All are Candelabra Screw base except $\dagger$ are Double Contact Bayonet Candelabra and $\ddagger$ is miniature bayonet. All clear ercept
white. Average shpg. wt., 2 or. each.


Cadmlum plated brackeis with tinned brass Cadmium piated brackeis with tinned brass
lugs. Bayonet type with coll spring construction for posilive contact. For miniature
screw, bayonet, and candelabia base. Avg. screw. bayonet.
shpg. wt., 202.

| WHITATURE SCREW TYPE |  |  |  |
| :---: | :---: | :---: | :---: |
| Stoch No. | Fig. | E. | 10 For |
| 32 P 280004 | 1 |  |  |
| 32 P 28012 | 2 | . 35 | 2.60 |
| 32 P 28020 | 3 | - | 2.60 |
| 32 P 28038 | 4 |  |  |
| MINIATURE BAYORET TVPE |  |  |  |
| 32 P 28046 | 1 |  |  |
| 32 P 28053 | 2 | - | 2.60 |
| 32 P 28061 | 3 | - | 2.80 |
| 32 P 28079 | 5 |  |  |
| CANDELABRA TYE, ITS VOLT |  |  |  |
| 32 P 28087 | 1 |  |  |
| 32 P 28095 | 2 | 40 | 2.60 |
| 32 P 28103 | 3 |  |  |
| 32 P 28111 | 4 |  |  |

SOCKETS FOR NEON, ARGON AND PILOT LAMPS

(5) Cleat Receptacle with Edison Socket. 13 P 81276 Shpg. wt., 402 . Net 3 (5) Receptacle with miniature screw socket. 13 P8128s Shpg. wt., 3 oz . Net 30 (5) Receptacle with candelabra socket.

13 P 81292 Shpg. wt.. 3 or.
Net 30
(6) Recessed receptacle with double contact bayonet socket. Top mounting.
13 P 34010 Shpg, wt., 3 oz.
Net .62
(7) Double contact bayonet candelabra socket 13 P 3402 shps . wt., 3 oz . Net 1.62 (7) Single contact bayonet candelabra socket



D E
 o. 8

For radio and T.V. pilot lights, panels, llashtights, toys, appliances. coin machines, autos, etc Base code: 1-single contact flanged, 2 -miniature screw. 3-double contact index, 5 - single contact midget, 6-singte contact bayonet. 7 - double contact bayonet, 8 -midget screw, 9. miniature bayonet, 10 - two pin. Under AMPS. CP means candlepower. $t-25,000$ hour subminiature lamp. Shpg. wt., box 10 is 4 oz., 1 lamp, 2 oz.

| Stock No. | Type No. | Volt | Amp.Fi | 8. | ase | Net Ea. | $\begin{aligned} & 10 \\ & \text { For } \end{aligned}$ | Stock No. | Type No. | Volt | Amp.Fis |  | Base | Net E2. | $\begin{aligned} & 10 \\ & \text { For } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P66012 | PR-2 | 2.4 | 0.50 | A | 1 | 26 | 1.59 | 32 P 69156 | 257 | 14 | 927 | G | 9 | 46 | 2.74 |
| 32 P 66020 | PR-3 | 3.6 | 0.50 | A | 1 | . 26 | 1.59 | 32 P 66384 | 313 | 28 | 0.17 | C | 9 | 46 | 2.75 |
| 32 P66038 | PR-4 | 2.3 | 0.27 | A | 1 | 27 | 1.60 | 32 P 66392 | 327 | 28 | 0.04 | P | 5 | 91 | 5.44 |
| 32 P 66046 | PR-6 | 2.5 | 0.30 | A | 1 | . 26 | 1.59 | 32 P 66400 | 328 | 6 | 0.20 | P | 5 | 12 | 4.30 |
| 32 P 66053 | PR-12 | 5.95 | 0.50 | A | 1 | .27 | 1.60 | 32 P 66913 | 330 | 14 | 0.08 | P | 5 | . 21 | 12 |
| 32 P66061 | PR-13 | 4.75 | 0.50 | A | 1 | 26 | 1.59 | 32 P 66954 | 387 t | 28 | 0.04 0.30 | P | 5 | 10 | . 1.80 |
| 32 P66079 | 12 | 6.3 | 0.15 | 0 | 10 | . 36 | 2.13 | 32 p 66663 | 407 | 4.9 | 0.30 | H | 2 | 30 | 1.80 |
| 32 P 66087 | 13 | 3.7 | 0.30 | H | 2 | 22 | 1.34 | $32 p 66418$ | 425 |  | 0 | H H | 2 | . 35 | 2.09 |
| 32 P66095 | 14 | 2.5 | 0.30 | M | 2 | 22 | 1.34 | $32 p 66426$ 12 | 4 | 18 | 0.25 | H | 2 | .41 | 2.43 |
| 32 p 66103 | 27 | 4.9 | 0.30 | M | 2 | 21 | 1. | 32 P 6 | 432 | 18 | 0.25 | H |  |  |  |
|  |  |  |  |  |  |  |  | 32 P 66442 | 433 | 18 | 0.25 | G | 9 | 42 | 2.53 |
| 32 P65111 | 31 | 6.2 | 0.30 | H | 2 | 34 | 2.04 | 32 P 66459 | 502 | 5.1 | 0.15 | H | 2 | 24 | 1.43 |
| 32 P66129 | 40 | 6.8 | 0.15 | B | 2 | . 18 | 1.10 | 32 P 66467 | 605 | 6.1 | 0.50 | H | 2 | 33 | 1.97 |
| 32 P 66137 | 41 | 2.5 | 0.50 | B | 2 | . 36 | 2.14 | 32 P 69032 | 755 | 6.3 | 0.15 | C | 9 | . 45 | 2.67 |
| 32 P 66145 | 42 | 3.2 | 0.35 | B | 2 | 47 | 2.80 | 32 P 69040 | 756 | 14 | 0.08 | C | 9 | . 60 | 3.57 |
| 32 P 66152 | 43 | 2.5 | 0.50 | C | 9 | 36 | 2.14 | 32 P 69057 | 757 | 28 | 0.08 | C | 9 | . 66 | 3.93 |
| 32 P 65160 | 44 | 6.8 | 0.25 | 6 | 9 | 19 | 1.11 | 32 p 69172 | 1034 | 12.8 | 1.8 | $F$ | 3 | 58 | 3.47 |
| 32 P 66178 | 45 | 3.2 | 0.35 | C | 9 | 31 | 1.83 | 32 p 66475 | 1129 | 6.8 | $21 C . P$ | $F$ | 6 | 43 | 2.57 |
| 32 P 66186 | 46 | 6.8 | 0.25 | 8 | 2 | 18 | 1.09 | 32 P 66483 | 1133 | $6 \cdot 8$ | 32C.P. | 1 | 6 | . 76 | 4.57 |
| 32 P 66194 | 47 | 6.8 | 0.15 | C | 9 | 19 | 1.11 | 12 P 69206 | 1141 | 12.8 | 21C.P. | F | 6 | 42 | 2.53 |
| 32 P 66202 | 48 | 2.0 | 0.06 | B | 2 | 36 | 2.14 | 32 P 66715 | 1156 | 12 | 32C.P. | $F$ | 6 | . 59 | 3.52 |
| 32 P 66210 | 49 | 2.0 | 0.06 | C | 9 | .30 | 1.80 | 32 P 69180 | 1157 | 12.8 | 2.1 | F | 3 | . 58 | 3.47 2.50 |
| 32 P 66228 | 50 | 6.8 | 1C.P. | H | 2 | . 22 | 1.31 | 32 P 6649 | 1446 | 12 | 0.20 | H | 2 | 42 | 2.50 |
| 32 P 66236 | 51 | 6.8 | 1C.P. | $\underline{6}$ | 9 | 19 | 1.15 | 32 P 66509 | 1447 | 18 | 0. | H |  | 9 | 1 |
| 32 P 66244 | 53 | 14.4 | 0.12 | 6 | 9 | .21 | 1.28 | 32 P 66517 | 1449 | 14 | 0.20 | H |  | 3 | 9 |
| 32 P 66251 | 55 | 6.8 | 2C.P. | G | 9 | . 22 | 1.29 | 32 P 665 | 1487 | $12 \cdot 16$ |  | 8 |  | . 32 | 2.54 |
| 32 P 66269 | 57 | 12.16 | 2C.P | G | 9 | . 22 | 1.31 | 12 P 66541 | 1487 | 12-16 | 0.20 | 8 | 2 | 36 | 2.14 2.30 |
| 32 P 66211 | 63 | 6-8 | 3C.P. | $G$ | 6 | . 27 | 1.63 | 12 | 148 | 14 | 0.1 | C | 9 | 30 | 1.77 |
| 32 P 69164 | 67 | 13.5 | 0.59 | G | 6 | 28 | 1. | 32 | 1490 | 6 | 2.7 | F | 7 | 1.74 | 10.42 |
| 32 P66285 | 81 | 6.8 | 6C.P. | $G$ | 6 | 32 | 1.94 | 32 P 66574 32 P 66889 | 1493 | 6 | 2.8 | 1 | 6 | 1.56 | 9.35 |
| 32 P 66293 | 82 | 6.8 | 6 C | G | 7 | -32 | 1.94 | 32 P 6688 | 1700 | 6 | 5.5 |  |  |  |  |
| 32 P 66848 | 93 | 12 | 15C.P. | F | 6 | 43 | 2.57 | 32 P 66582 | 1768 | 6 | 0.20 | c | , | 1.29 | 7.72 |
| 32 P 66301 | 112 | 1.2 | 0.22 | D | 2 | . 22 | 1.34 | 32 P 66590 | 1815 | 12-16 | 0.20 | C | 9 | . 32 | 1.94 |
| 32 P 66319 | 123 | 1.25 | 0.30 | H | 2 | . 24 | 1.23 | 32 P 66855 | 1819 | 28 | 0.04 | C |  | . 41 | 2.2 |
| 32 P 66327 | 136 | 1.3 | 0.60 | H | 2 | . 31 | 1.87 | 32 P |  |  |  |  |  |  | (1) |
| 32 P66335 | 222 | 2.2 | 0.25 | D | 2 | 22 | 1.34 | 32 P 690 | 9 | 2 | . 0.05 |  |  | 0 | 5.72 |
| 32 P 66343 | 223 | 2.2 | 0.25 |  | 2 | .36 | 2.19 | 32 P 66616 | 1829 | 28 | 0.0 |  | 9 | . 26 | 2.99 |
| 32 P66350 | 224 | 2.15 | 50.22 | , | 4 | 31 | 186 | 32 P 66624 | 1847 | 6. | 0.15 |  | 9 | 26 | 1.37 |
| 32 P 66368 | 233 | 2.2 | 0.27 | H | 2 | . 3 | 1.96 | 32 P 66632 | 1891 | 12 | 0.24 | 6 | 9 | . 26 | 1.56 |
| 32 P69107 | 239 | 6.3 | 0.36 | C | 9 | 47 | 2.53 2.84 |  | 1895 | 14 | 0.27 | 6 | 9 | . 31 | 1.85 |
| 32 P66376 | 248 | 2.5 | 0.80 | H | 2 | . 47 | 2.84 | 32 P69198 | 1895 | 14 | 0.27 | 6 | 9 | . | 1.6 |

METER ILLUMINATING PILOT LAMP

For illuminating meters internally
Used in Lafayette " $s$ " and Modulation panel meters. Operates on 6 volts AC of DC. Can operate on 12 volts with 2 lamps in series. Shgg. Wt.
gS 62627


Channel Selector Dial Indicator tamp. Used in Lafayefte Citizens Band and communications equipment. Operates on 6 volts AC or OC. Can operate on 12 volls with series voltage dropping resistor. Size: \%" long x m $^{\prime \prime}$ dia. with 9 inch leads. Imported. Shps. wi.. 202. 99 P 63612

Net 29

| NEON GLOW LAMPS <br> For 105-125 VAC operation. Screw types have resistor in base for $105-125 \mathrm{v}$ others require external resistor. AC starting voltage shown: DC starting voliage $40 \%$ higher. Shpg. wt., 202. - denotes high brightness types |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Steck Me. |  |  | Watts | Start Volt | Base Type | Each | 10 for |
| 32 P 55731 | A9A. | NE-2E, NE-2 | 1/10 | 65 | Wire Term | . 22 | 1.30 130 |
| 32 P 66830 | C2A ${ }^{\text {a }}$ | NE-2, NE-2H | 1/4 | 95 65 | Wire Term | 1. 22 | 1.30 10.00 |
| 32 P 66798 | 67A | NE-45 |  |  | Cand. Screw |  |  |
| $\begin{aligned} & 32 \text { P } 66814 \\ & 32 \text { P } 66822 \end{aligned}$ | $\begin{aligned} & 81 A \\ & 82 A^{\circ} \end{aligned}$ | $\begin{aligned} & \text { NE.51 } \\ & \text { NE.5IH } \end{aligned}$ | $1 / 25$ | 65 95 | S.C. Bay. Min <br> S.C. Bay. Min | $\begin{array}{r} .48 \\ .48 \end{array}$ | 2.89 2.89 |
| 32 P66897 | SAM | NE-83 | - | 60 | wire Term. | . 47 | 2.78 |

# General Electricic and RCA Picture Tubes <br> <br> nen 

 <br> <br> nen}

Warranteed by the manutacturer against defects in workmanship, materiats, and construction for 3 years.
If a defect covered by this warranty shouid cause a fube to lecome inoperable mithin the warranty period from lirst installation date, return your tube, transportation prepaid, and warranty and sales slip and shipping document to point of purchase for replacement; ercept for color tubes which are covered by the above warranty for only 1 year.
slach owhte tubes are made of entirely new materials exeept the glass which may be re-used after test inspection and refurbishing to meet new glass standaros. Color tubes may contain used materials which, prior to reuse have been earefully inspected and tested NOTE: WE WHLL fILL YOUR ORDER WITH EITHER A GE. OR


YOUR DLD TURE IS WORTM MONEY
If you return your old picture tube (Dud) when you purehase a new one, we will eredit you for its value as shown in the column headed "Oud Vafue." Duds must be brought or shipped prepaid to us and must be intact. under vacuum and without scratches. Do not tring In tubes for which no value is shown.

| STOCK ND, | $\begin{aligned} & \text { TUBE } \\ & \text { TYPE } \end{aligned}$ | SHPG. WI. LBS. | NET EA. | $\begin{aligned} & \text { DUD } \\ & \text { VALUE } \end{aligned}$ | STOCK Mo. | TUBE TYPE | SHPG WT. LBS. | $\begin{aligned} & \text { NET } \\ & \text { EA. } \end{aligned}$ | $\begin{aligned} & \text { OUD } \\ & \text { VALUE } \end{aligned}$ | STOCX MO. | $\begin{aligned} & \text { TURE } \\ & \text { TYPE } \end{aligned}$ | $\begin{aligned} & \text { SHPG. } \\ & \text { WT. } \\ & \text { LES. } \end{aligned}$ | $\begin{aligned} & \text { NET } \\ & \text { EA. } \end{aligned}$ | DUD VALUE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 P GD174WX | 9YP4 | 4 | 30.60 | 1.25 | 36 P 82192WX | 17EMP4 | 14 | 30.00 |  | 36 P 82356wx |  |  |  |  |
| 36 P81840wx | 9WP4 | 4 | 26.95 |  | 36 P 80477WX | 17 HP 4 C | 17 | $25.32$ | 二 |  | $\mathrm{EOP}_{4}$ | 26 | 29.15 |  |
| 36 P a22siwx | 11HP4 | 6 | 25.35 |  | 36 P 80485WX | $17 \mathrm{PP4B}$ | 23 | 24.15 |  | 36 P 80915WX | $21 \mathrm{YP48}$ | 33 | 24.50 |  |
| 36 P 61673wx | 11094 | 6 | 23.00 |  | 36 P 80519 WX | 19ABP4 | 16 | 38.60 |  | 36 P 80923WX | 21294 C | 31 | 24.50 |  |
| 36 P 81681wx | 128EP4 | 8 | 26.25 |  | 36 P 80527 Wt | 19AFP4 | 24 | 47.51 | 4.00 | 36 P cog49WX | 23AMP4. |  |  |  |
| 36 P 82135 wx | $12 \mathrm{kgP4}$ |  | 25.20 |  | 36 P 80543W ${ }^{\text {W }}$ | 19AJP4 | 16 | 34.30 | 4.00 |  | ASP4 | 32 | 42.35 | 6.00 |
|  | $128 \mathrm{MP4A}$ | 7 | 25.60 |  |  | 19AVP4 | 17 | 34.30 | 4.00 | 36 P 81574wx | 23ARP4 | 31 | 45.20 | 4.00 |
| 36 P 81699wx | $128 \mathrm{CP4}$ | 8 | 27.90 |  | 36 P 80576wx | 19AYP4 | 17 | 34.30 | 4.00 | 36 P cos98w ${ }^{\text {d }}$ | 23BKP4 | 49 | 47.45 | 6.00 |
| 36 P 61624WX | $12 \mathrm{CDP4}$ | 8 | 27.90 |  | 36 P 80584W ${ }^{\text {3 }}$ | 198DP4 | 18 | 34.30 | 4.00 | 36 P 1020 Wx | 23B0P4 | 44 | 47.45 | 6.00 |
| 36 P P2143WX | 12CWP4 | 8 | 27.93 |  | 36 P 81509 Wx | $19 \mathrm{CHP4}$ | 18 | 34.30 | 4.00 | 36 P 81038W | 238 TP 4 | 40 | 47.45 | 6.00 6.00 |
|  | 120FP4 | 7 | 32.15 |  | 3E P ${ }^{\text {a }}$ 1525WX | $19 \mathrm{CXP4}$ | 17 | 34.30 | 4.00 | 36 P 81053 Wr | $23 \mathrm{CP4} 4$ | 42 | 47.45 | 6.00 6.00 |
| 36 P 82416 WX | 120GP4 | 7 | 23.70 |  | 36 P 81798wx | 19DEP4 | 20 | 39.50 | 4.00 | 36 P 81152 WX | 23EP4 | 40 | 47.45 | 6.00 6.00 |
| 36 P 81715WX | $13 \mathrm{APA}^{1}$ | 9 | 33.00 |  | 36 P 81806 wx | $190 \mathrm{KP4}$ | 20 | 33.30 |  | 36 P 81996 WX | ${ }^{23 E D P 4}$ | 35 | 47.45 | 6.00 6.00 |
| 36 P 82150wx | 16AUP4 | 11 | 32.00 |  | 36 P 40059WX | 190QP4 | 18 | 36.65 | 1.00 | 36 P 40083 Wx | 23ENP4 | 34 | 46.30 | 6.00 4.00 |
| 36 P P1632W W | $16 \mathrm{COP4}$ | 11 | 30.60 |  | 36 P a1394WX | 195 CP 4 | 18 | 36.65 | 1.00 | 36 P 82267WX | $23 E Y P 4$ | 35 | 50.00 | 4.00 4.00 |
| 36 P 8176 WX | 16CWP4 | 12 | 31.60 |  | 36 P 81822 Wx | 19EGP4 | 19 | 37.95 | 1.00 | 35 P 8117awx | 23 FP 4 A | 44 | 42.10 | 4.00 6.00 |
| 36 P 81764 WX | 16RP4B | 19 | 20.70 |  | 36 P 81871wx | $19 \mathrm{GAP4}$ | 19 | 38.35 | 1.00 | 36 P 82036wx | 23 FRP4 | 35 | 50.50 | 6.00 6.00 |
| 36 P 80295wx | $178 P 4 D$ | 16 | 22.55 |  | 36 P 81897WX | 21 AMP4B | 19 | 26.00 |  | 36 P 40224WX | $23 \mathrm{HFP4}$ | 33 | 50.10 | 6.00 6.00 |
| 36 P 80287 WX | 178JP4 | 16 | 26.95 |  | $36 P 80717 \mathrm{WX}$ | $214 \cup P 4 C$ | 32 | 26.35 |  | 36 P 81202 WX | 23 NP4 | 21 | 42.10 | 6.00 |
| 36 P s0303wx | 178WP4 | 14 | 22.55 |  | 36 P $81905 W \mathrm{X}$ | 21cBP4A | 26 | 23.25 | - | 36 P 81236 wx | 24AEP4 | 39 | 32.95 |  |
| 36 P 80410wx | 170QP4 | 13 |  |  | 36 P 80741wx | 21 CQP4 | 24 | 30.15 | - | 36 P 81244WX | 24AHP4 | 34 | 48.10 | 4.00 |
| 36 P 80423WX | 170RP4 | 13 | 30.15 |  | 36 P 89782WX | $210 \mathrm{LP4}$ | 26 | 29.25 | $\underline{\sim}$ | 35 P 81277WX | 24AUP4 | 39 | 39.25 |  |
| 36 P 80436wx | $1705 P 4$ | 13 | 28.45 |  | 36 P an790wx | $2105 P 4$ | 30 | 30.50 |  | 36 P 81303WX | $24 \mathrm{CP4} 8$ | 41 | 32.95 | - |
|  |  |  |  |  | 36 P ${ }^{\text {colsow }}$ | 21EP4C | 33 | 31.65 | - | 36 P 82127wx | $272 P_{4}$ | 52 | 95.80 | 16.50 |

## COLOR PICTURE TUBES

| STOCR MO. | TUBE TYPE | SHPG. WT. 185. | $\begin{aligned} & \text { NET } \\ & \text { EA. } \end{aligned}$ | $\begin{aligned} & \text { DUD } \\ & \text { VALUE } \end{aligned}$ | Sto | CK ND. | TUBE TYPE | SHPE. WT. LBS. | $\begin{aligned} & \text { NET } \\ & \text { EA. } \end{aligned}$ | $\begin{aligned} & \text { DUD } \\ & \text { VALUE } \end{aligned}$ | 5TOCK ND. | TU日E TYPE | $\begin{aligned} & \text { SHPG. } \\ & \text { WT. } \end{aligned}$ | NET EA. | $\begin{aligned} & \text { DUD } \\ & \text { VALUE } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 36 P 40356 \omega X \\ & 36 P 40463 W x \end{aligned}$ | 11 SP22 19GVP22/ EXP22 | 10 | 71.00 | 4.00 | 36 P 40390wx |  | 21FBP22 | 47 | 66.40 | 5.50 | 36 P 40513 WX | 25 CP 22 | 53 | 100.55 | 24.00 |
|  |  | 30 | 96.80 | 4.00 | 36 P | P 40406wX | 21FJP22 | 52 | 72.50 | 6.50 | 36 P 40521wx |  |  | 115.70 |  |
| 36 P 40471 WX |  |  |  |  |  | P 40299wx | 21GFP22 | 40 | 123.35 | 9.00 |  | $\begin{aligned} & 25 \times P 22 / \\ & 25 A P 22 A \end{aligned}$ | 54 |  | 24.00 |
|  | EYP22 | 32 | 106.05 | 4.00 | 36 P | P 40414WX | 22JP22 | 39 | 105.85 | 11.50 | 35 P 40539 WY |  |  |  |  |
| 36 P 40117wx | 21CYP22A | 46 | 60.00 |  | 36. | P 40638 wx | 258 CP 22 | 43 | 126.75 | 24.00 | 36 P 40539wx | $25 B P 22 A$ | 50 | 110.35 | 24.00 |

## RCA-GE-RAYTHEON

SPECIAL PURPOSE TUBES
RCA-GE-RAYTHEON
factory boxed stoch manufactured by RCA, GE or Raytheon. Type factory bored stoch manufactured by RCA, GE of Raytheon. Type
shown with. Is Victoreen Mfg. Quantlity users please contact our Stoch No. Tube Type Net Ea. Stoch No. Tube Type Net Ea.

| Stoch Mo. | Tube 1 | Net Ea | stoch Mo. | Tube Type | Net Ea. | Stoch No. | Tube Trpe | Net Ea, | Stoch No. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 P 41008 | OA2 | 1.60 | 36 P 41727 | 6AS6 | 390 | 35 P 42675 | SE42 | 3.75 | 36 P 43723 | Tube Type <br> 6417 | 3.84 |
| $36 P 41024$ 36 P | OA3 | 1.90 | 36 P 41735 | 6as7Ga | 5.51 | 36 P 42663 | $5651 A$ | 2.15 | 36 P 43806 | $\begin{aligned} & 6417 \\ & 6550 \end{aligned}$ | 6.45 |
| $36 P 41032$ $36 P 41040$ | OA4G | 2.55 | 36 P 41743 | 6AU6WB | 3.56 | 36 P 42709 | 5653 | 6. 20 | 36 P 43863 | 6669/6AO5 | - 1.95 |
| 36 P 41065 | 082 083 | 1.75 2.50 | 36 P 41768 36 P 41834 | 6018/ECC68 | 2.45 | 36 P 42808 | 5686 | 4.35 | 36 P 43871 | 6677 '6CL6 | 2.70 |
| 36 P 41073 | 0 C 2 | 1.85 | 36 P ¢1834 | 12 Ab | 4.55 | 36 P 42857 | 5696 | 2.35 | 36 P 43897 | 6679/12A17 | 72.05 |
| $36 \mathrm{P} 410 \pm 1$ | OC3 | 1.05 | 36 P 41933 | 12 AIf | 3.32 | 36.42931 | 5726/6AL5W | W 2.40 | 36 P 43905 | 6680/12AU7A | A 1.75 |
| 36 P 41099 | 003 | 1.5 | 36 P 41990 | 807 | 2.55 | 6 | 5727 | 3.30 | 36 P 43913 | $6681 / 12 A \times 7 A$ | A 1.80 |
| 36 P 41123 | 1885* | 20.24 | 36 P 42006 | 8114 | 6.25 | 36 P 43046 | 5751 5763 | 3.25 2.95 | 36 P 43947 36 P 43954 | $\begin{aligned} & 6883 \\ & 6922 / E 88 C C \end{aligned}$ | C $\begin{array}{r}5.45 \\ 5.35\end{array}$ |
| 36 P 41131 | 1 C 21 | 5.70 | 36 P 42014 | 812A | 7.60 |  |  |  |  |  |  |
| 36 P 41172 | 114 | 1.67 | 36 P 4204 | 816 | 5.20 | 36 P 43095 | 5823 | 3.00 2.00 | $36 P 43988$ 36 P 44002 | 7054 | 1.85 |
| 36 P 41248 | $1 \mathrm{P4O}$ | 7.45 | 36 P 42121 | 866A | 5.05 | 36 P 43194 | 5881 | 2.00 3.10 | $36 P 44002$ $36 P 44010$ | 7056 | 1.15 |
| 36 P 41362 | 2021 | 1.65 | 36 P 42135 | 868 | 8.55 | 36 P 43269 | 5915 | 2.17 | 36 P 44010 | 7059 | 1.85 |
| 36 P 41396 | 2E26 | 5.15 | 36 P 42154 | 884 | 3.72 | 36 P 43277 | 5963 | 2.17 | 36 P 44028 36 P 44035 | 7060 | 2.30 |
| 36 P 41438 | 2 2 2A | 5.60 | 36 P 42212 | 922 | 5.50 | 36 P 43293 | 5965 | 2.45 | 36 P <br> 364036 <br> 68093 | 7061 | 1.85 |
| 36 P 41446 | 3 M 4 | 2.58 | 36 P 42253 | 927 | 10.40 | 36 P 43327 | 6012 | 8.70 | 36 P 44101 | 7560 | 5.38 |
| 36 P 41453 | 345 | 2.79 | 36 P 42261 | 929 | 5.75 | 36 P 43426 | 6080 | 5.90 | 36 P 44101 | 7551 | 4.38 |
| 36 P 41487 | 3828 | 10.55 | 36 P 42275 | 930 | 6.90 | $36 P 43442$ | 6082 | 5.84 | 36 P 44150 | 7587 | 3.95 5.99 |
| 36 P 41560 | 3KPI | 37.10 | 36 P 42303 | 934 | 9.60 | 36 P 43509 |  |  |  |  |  |
| 36 P 41578 | 3RP1 | 22.40 | 36 P 42329 | 955 | 7.05 | 36 P 43517 | 6146 A | 3.50 4.90 | 36 P 44200 | 7905 | 4.47 |
| 36 P 41644 | 58P1A | 49.00 | 36 P 42428 | 955 | 7.05 | 36 P 43525 | 6146B/8298A | 8.00 | 36 P 44218 | 7984 | 5.25 |
| 36 P 41669 | 5R4GYB | 2.60 | $36 P 42493$ | 1625 | 7.03 | 36 P 43590 | 6201 ( | 3.54 | 36.44317 | 8077/7054 | 1.86 |
| 36 P 41677 | 5 UP1 | 21.70 | $36 P 42493$ | 1625 | 7.00 | 36 P 43632 | 6211A | 2.95 | 82984 | Use 61468/8 | 82984 |
| 36 P 41693 | 6AG7Y | 3.60 | $36-42501$ | 1629 | 3.47 | 36 P 43699 | 6360 | 5.45 | 36 P 44374 | 9005 | 8.05 |
| 36 P 41701 | 6AK6 | 1.68 | 36 P 42527 | 2050A | 2.70 | 36 P 43707 | 6386 | 9.50 | 36 P 443t2 | 9006 | 3.23 |

## LAFAYETTE 7735A VIDICON TUBE FOR CLOSED CIRCUIT TV CAMERAS

[^15]Lafayelte tubes are made to rigid quality standards which assure you of efficient performance and long. life. We will replace without charge any fube which due to defects in material or workmanship, falls in
normal use within 2 years from date of purchase. Simply bring or return the tube postpaid to the store
from which you purchased it along with your original sales-slip or order. Some types imported.

ASSORTMENT PRIVILEGE: TUBES MAY BE ASSORTED FOR QUANTITY PRICE



# RCA - GE - Raytheon Receiving Tubes 

## 12 MONTH GUARANTEE

All receiving tubes are guaranteed for 12 months from date of purchase. We will replace any tube that does not give efficlent performance for a full 12 month's period. This of course does not apply to burned out or broken tubes.
BRANDS: RCA-GE-MAYTMEON. We will supply one of these famous national brands depending on our stock availability. Some types importeo

## ASSORTMENT PRIVILEGE: TUBES MAY BE ASSORTED FOR QUANTITY PRICE



Stock Mo. Tube type $\quad 1.5 \quad 6.24 \quad$| 258 |
| :--- | :--- | :--- | 36 P 12165 6AQ7GT 36 P 12173 6AQ8/ 36 P 12181 6ARS 36 P 12199 6AR8 36 P 12207 6AR11 36 P 12215 6AS5 36 P 12223 6AS8 36 P 12231 6AS 11 36 P 12249 6АТ

36 P 12256 бATBA 36 P 12264 6AU4GTA 36 P 12272 6AUSGT 36 P 12280 6AU6A 36 P 12298 GAUBA 36 P 12306 6AVSGA
36 P 12314 GAV6 36 P 12322 GAV11 36 P 12330 6AWBA 36 P $123486 A \times 3$ 36 P 12355 6AX4GTB 36 P 12363 6AX5GT 6A) 8 USE 36 P 12389 6AY3B/
36 P 12397 6AY11
36 P 124056 AZ8 36 P 12413688 36 P 124216 B10
36 P 12447 6BA6/EF93 $\begin{array}{ll}36 & P \\ 36 & \text { P } 12454 \\ 6 B A 7\end{array}$ 36 P 12462 GBABA 36 P 12470 6BA11 36 P 1248 68C4 36 P 12496 6BC5/6CE5 $\begin{array}{ll}36 \text { P } 1250468 C 7 \\ 36 & \text { P } 19772 \text { 68C8/6B28 }\end{array}$ 36 P 12520 6BDG 36 P 125206806
36 P $125386 B D 11$ $\begin{array}{lll}36 & \text { P } 12538 & 6 B D 11 \\ 36 & P & 12546 \\ 6 B E 3 / 6 B 23\end{array}$ 36 P 12553 6BE6 36 P 12561 6BF5
36 P 125796 FF6 36 P 12507 6BFII 36 P 12595 6BG6GA 36 P 12603 6BH3A
 36 P 1262968 BH 36 P 12637 68H11 36 P 12645 6BJ3 36 P $1265268 J 6$ $\begin{array}{lll}36 & \text { P } 126606817 \\ 75 & 12578 & 68 J B\end{array}$ $\begin{array}{ll}36 P 12678 & 68 J 8 \\ 36 & \text { P } 12686 \text { GBK4C/ }\end{array}$ 36 P $1269468 K 5$ 36 P $1270268 \mathrm{BK7B}$ 36 P 12710 6BL7GTA 36 P 1272868 ELB EFF80
36 P 12736
ECL82
36 P 12744 68N4A
36 P 12751 6BN6/6KS6 $\begin{array}{ll}36 & \text { P } 1275168 N 6 / 6 K \\ 36 & \text { P } 12769 \text { 6BN8 }\end{array}$ 36 P 12769 6BN8
36 P 12777 6BN 11 $\begin{array}{ll}36 & \text { P } 12777 \\ 36 & \text { GBN } 12785 \\ 6 B Q 5 / E L 84\end{array}$ $\begin{array}{llllllllllllllll} & 2.30 & 2.13 & 1.92\end{array}$ 36 P 12801 6BG6GTB/
6CU6 36 P 12819 6BQ7A/

6827/6BSB $2.892 .68 \quad 2.41$ 36 P $2058068 R 3 /$
36 P 12827 6RRRA/
GFVBA
6日S3A USE $2.812 .60 \quad 2.34$ 6BSB USE 6BO7A/6B27

## 36 P 12850 6BU8

36 P 12868 6BVE 36 P 19996 6BVI1 6BW3 36 P 12876 6BW4 $\begin{array}{lll}36 & P 12884 & 68 W 8 \\ 36 & P 12892 & 6 B W 11\end{array}$ 36 P 129006 6X7GT 36 P 12918 6BY5GA 36 P 1292668 6Y6 36 P 12934 6BY8
36 P 21364
$68 Y 11$ 6823 6826 6 砬 1.841 .70 $6 \mathrm{BZ7}$ USE 6807A/6827
$6 \mathrm{BZ8}$ USE $6 \mathrm{BCB} / 6828$
36 P 12959
$\begin{array}{ll}36 & \text { P } 129756 C 4 \\ 36 & \text { P } 129836 C 5\end{array}$ $\begin{array}{lll}36 & \text { P } 129836 C 5 \\ 36 & \text { P } 129916 \text { 6C6 }\end{array}$ $\begin{array}{ll}36 & \text { P } 130076 \mathrm{C} 9 \\ 36 & \text { P } 130156 \mathrm{C} 10\end{array}$ 36 P 13015 6C10
36 P 13023 6CA4 36 P 13031 6CA5
$1.62 \quad 1.50 \quad 1.35$

Stock No. Tube Type $\quad 1.5 \quad 6.24 \quad$ Up | 36 P 13049 | 6CA7/EL34 | 3.19 | 2.95 | 2.66 |
| :--- | :--- | :--- | :--- | :--- | :--- | $36 P 13056$ 6CB5A $\quad 5.354 .954 .46$ 36 P 13064 6CB6A/ 6CF6 USE 6CC 1.94

$\begin{aligned} & 36 \mathrm{P} 13072 \text { 6CDGGA } 3.943 .653 .27 \\ & \text { 6CE3 USE GCG3/6CE3 } \\ & \text { 6CES USE 6BC5/6CES } \\ & \text { 6CF6 USE 6CB6A/6CF6 }\end{aligned}$
36 P 13072 6CD6GA 3.943 .65
36 P 13072 6CD6GA 3.943 .65
36 P 13072 6CD6GA 3.943 .65
36 P 13080
6BW3 2.322 .151 .94 6CG7 USE 6FQ7/6CG7
36 P 13098 6CG8A $2.542 .35 \quad 2.12$
6CH3 USE 6CJ3/6DW4B
36 P 13106 6CHB
36 P 13114
$6 \mathrm{CJ} /$
$6 \mathrm{DW4B}$
2.212 .051 .85

6CK3 USE 6CL3/6CK3
36 P 13130 6CK4 $\quad 1.92 \quad 1.78 \quad 1.60$ 36 P 21398 GCL3/6CK3 2.212 .051 .85 $\begin{array}{llllll}36 & P & 13155 & 6 C L 6 & 2.81 & 2.60 \\ 36 & 2.34\end{array}$ $\begin{array}{lllll}36 P 13163 & 6 C L 8 A & 2.65 & 2.45 & 2.21 \\ 36 & P 19780 & 6 C M 3 & 2.83 & 2.63 \\ 2.37\end{array}$ $\begin{array}{lllll}36 \text { P } 19780 & \text { 6CM } & 2.83 & 2.63 & 2.37 \\ 36 & \text { P } 13171 & \text { 6CM6 } & 2.30 & 2.13 \\ 1.92\end{array}$ 36 P 13189 GCM7 $\quad 2.462 .28 \quad 2.05$ $2.192 .03 \quad 1.83$ 36 P 13197 6CM8 $2.65 \quad 2.45 \quad 21$ 36 P 13205 6CN 6 USE USE 6DE4/6CQ4
$\begin{array}{lllll}36 & \text { P } 13221 & 6 C Q 8 & 2.72 & 2.53 \\ 2.28\end{array}$ $\begin{array}{llllll}36 & \text { P } 13239 & \text { 6CR6 } & 1.59 & 1.48 & 1.33\end{array}$ $\begin{array}{llllll}36 & p & 13247 & 6 C S 6 & 2.21 & 2.05 \\ 36 & 1.85 \\ 36 & p & 13254 & 6 C S 7 & 2.24 & 2.08 \\ & 1.87\end{array}$ $\begin{array}{lllll}36 & \text { P } 13262 & 6 C U 5 & 2.38 & 2.20 \\ 1.98\end{array}$

6CU6 USE 6BQ6GTB
36 P 13270 6CUB
36 P 13288 6CW4 2.722 .532 .28

 $\begin{array}{lllllll}36 & \text { P } 13296 & 6 C W 5 / E L 86 & 1.49 & 1.38 & 1.24\end{array}$ $\begin{array}{lllllll}36 & P & 13304 & 6 C X B & 3.02 & 2.80 & 2.52 \\ 36 & P & 13312 & 6 \mathrm{CY} & 2.89 & 2.68 & 2.41\end{array}$ $\begin{array}{llllll}36 & P 13312 & 6 C Y 5 & 2.89 & 1.53 & 1.38 \\ 36 & P 13320 & 6 C Y 7 & 1.65 & \\ 36 & P 13338 & 6 C Z 5 & 2.81 & 2.60 & 2.34\end{array}$ | $36 P 13338$ | $6 C 75$ | $2 . B 1$ | 2.60 | 2.34 |
| :--- | :--- | :--- | :--- | :--- |
| 35 | P 13346 | $6 D 10$ | 2.75 | 2.55 | 36 P 13353 6DA4A/

$6 D M 4 A$
36 P $133796 \mathrm{DB5}$
2.192 .031 .83
2.702 .502 .25
2.302 .13

36 P 13395 6DC8
EBF89
$\begin{array}{lll}1.65 & 1.53 & 1.38\end{array}$
36 P $134036 D E 4 / 6 C Q 4 \quad 2.242 .08 \quad 1.67$ 36 P 13411 6DE6 $\quad 1.941 .801 .62$ $\begin{array}{ll}36 \mathrm{P} 13429 & 6 \mathrm{EE} 7 \\ \text { 60G6GT USE 6W6GT } \\ 2.65\end{array}$

 | 36 P 13445 | $6 D K 6$ | 1.92 | 1.78 | 1.60 |
| :--- | :--- | :--- | :--- | :--- |
| 36 | 21406 | $6 D L 3$ | 2.81 | 2.60 | 36 P 214066 EL 3

36 P 20382
6 DL 4

ECC88 $4.29 \quad 3.98 \quad 3.56$
36 P 13452 6DL5/EL95 $1.59 \quad 1.48 \quad 1.33$ 6DM4A USE 6DA4A/6DMAA $\begin{array}{lllll}36 & \text { P } 21042 & 6 D N 3 & 2.05 & 1.90 \\ 1.71 \\ 36 & \text { P } 13478 & 6 D N 6 & 3.78 & 3.50 \\ 36 & 3.15 \\ 36 & 13486 & 6 D N 7 & 2.72 & 2.53 \\ 2.28 \\ & & 2.85 & 2.58 & 2.41\end{array}$ $\begin{array}{llllll}36 & \text { P } 13486 & 6 D N 7 & 2.72 & 2.53 & 2.28 \\ 36 & \text { P } 21695 & 6 D Q 3 A & 2.89 & 2.68 & 2.41\end{array}$ 36 P 13494 6DQ5 36 P 13502 6DQ6B/

6GW6 $\quad 3.16 \quad 2.932 .64$ $\begin{array}{lll}36 & \text { P } 1351060 R 7 \\ 36 & \text { 6 } & 135286054\end{array}$ $3.002 .78 \quad 2.50$
36 P 13528 6DS4 $\quad 3.192 .952 .66$ $\begin{array}{lll}36 \text { P } 135366 D S 5 & 1.971 .831 .65\end{array}$ 36 P 13544 6DT5 $\begin{array}{lll}1.92 & 1.78 & 1.60 \\ 1.92 & 1.78 & 1.60\end{array}$ 36 P 13569 6DT8 $\quad 2.212 .051 .85$

 $\begin{array}{llll}\text { CCL84 } & 1.59 & 1.48 & 1.33\end{array}$

| 36 | $P$ | $136016 \mathrm{DZ7}$ | 5.59 |
| :--- | :--- | :--- | :--- |

6E5 $\quad 3.35 \quad 3.10 \quad 2.79$
GEAAA USE GEH4A
GEAS USE GCY5
GEAT USE GEMT/GEA7
36 P 13635 6EB8 USE 6GNB/6EB8
36 P 21703 6ECAA/ $\begin{array}{lllll}\text { EY500 } & 2.57 & 2.38 & 2.14\end{array}$ GEFA USE GEJ4A
$36 P 13668$ 6EH4A $\quad 4.64 \quad 4.30 \quad 3.87$ 36 P 13676 6EHS $\quad 2.111 .951 .76$ 36 P 13684 6EH7। EF183
36 P 13692 6EHB
36 P $137006 E J 4 A$ $\begin{array}{llll}2.08 & 1.93 & 1.74\end{array}$
$\qquad$ $5.054 .58 \quad 1.51$
 6EL4 USE 6BK4C/6EL4
36 P 13726 GEM5
/6EA7

| 36 P 13734 6EM7 |
| :--- |
| 36 P 21513 |
| 36 ENA |
| 36 |
| 36 |

$2.65 \quad 2.45 \quad 2.21$

Stock No.
6ES5
36 P 13767 6ESS
36 6ES8
36 P 13775 GES8
36 P 13783 GET7
36 P 13791 GEU7
36 P 13809 6EU8
36 P 13817 6EVS
36 P 13825 6EV7
36 P 13833 6EW6
36 P 13841 6EW7
36 P 13866 6EY6
36 P 13874 6EZ5
36 P 138826528
36 P $138906 F 5$

| 36 | $P$ | 13908 | $6 F 6 / 6 F 6 G T$ | 3.48 | 3.23 |
| :--- | :--- | :--- | :--- | :--- | :--- |

6FGGT USE 6F
36 P 13924 6F8G
36 P 13932 6FA7
$\begin{array}{llllll}6 \text { P } 13957 & 6 F D 7 & 1.59 & 1.48 & 1.33\end{array}$
$\begin{array}{lll}36 \text { P } 13965 \text { 6FE5 } & 1.35 & 3.10 \\ 1.79 & 1.79\end{array}$
36 P 13973 6FG5 $\quad 2.722 .532 .28$
36 P 13981 6FG6/EM84 1.811 .681 .51
36 P 13999 6FG7
3 P 14005 5FH5
36 P 14005 6FH5
36 P 14013 6FH8
36 P 14013 6FH8
$\begin{array}{lll}36 & P & 14021 \\ 36 & 6 F 17 \\ 36 & P & 4039 \\ 6 F M 7\end{array}$
$\begin{array}{llllll}36 & 14039 & 6 F M 7 & 2.72 & 2.53 & 2.28 \\ 36 & 14047 & 6 F M B & 2.24 & 2.08 & 1.87\end{array}$
36 P 14054 GFQ7/6CG7 1.761 .631 .47
$\begin{array}{lllll}36 P 14062 & 6 F 55 & 2.46 & 2.28 & 2.05 \\ 36 & 2.89 & 2.68 & 2.41\end{array}$
36 P 14070 6FV6 USE 6BRBA/6FVBA
36 P14088 6FWS $2.92 \quad 2.70 \quad 2.48$
36 P 14096 GFY5/EC97 1.49 1.38 1.24
36 P 141046 FY 7
36 P 14120 6G11
36 P 50124 6GB3A
36 P 14138 6GB5/
ELS00
$6 G 86$


## 36 P 14146 6GCS

36 P 14153 6GES
36 P14161 6GF5
36 P 14187 6GHBA
36 P 14195 6GJ5A 3.052 .832 .55 $3.40 \quad 3.15 \quad 2.84$ 2.402 .232 .01 $\begin{array}{lll}3.05 & 2.83 & 2.55 \\ 1.81 & 1.68 & 1.51\end{array}$ 3.593 .333 .00 36 P 14203 6G17/ $1.67 \quad 1.55 \quad 1.40$ 36 P 14211 6GK5/ 36 P 14229 6GK6 36 P 50140 6GK17 36 P 14237 6GL7 36 P 14245 GGMS 36 P 14252 6GM6 36 P 14260 6GM8/

ECCB6
GGN8/6ERE $2.72 \quad 2.53 \quad 2.28$
$\begin{array}{llllll}14 & 2.35 & 2.18 & 1.96\end{array}$
36 P 14278 GGNB/GERE 3.052 .832 .55 $\begin{array}{llllll}36 & P & 20895 & 6 G S 7 & 2.03 & 1.88 \\ 36 & 1.67 \\ 36 & 14294 & 6 G T 5 A & 1.43 & 3.18 & 2.86\end{array}$ $\begin{array}{llllll}36 & \text { P } 14294 & \text { 6GT5A } & 3.43 & 3.18 & 2.86 \\ 36 & \text { P } 14302 & \text { 6GU5 } & 2.65 & 2.45 & 2.21\end{array}$ $\begin{array}{lllll}36 \mathrm{P} & 14302 & 6 \mathrm{GUF} & 2.65 & 2.45 \\ 36 \mathrm{P} & 2.2110 & 6 \mathrm{GU} 7 & 2.40 & 2.23 \\ 2.01 \\ 36 & P 14328 & 6 G V 5 & 2.65 & 2.45 \\ 2.21\end{array}$ 36 P 14328 6GV5 ECL85 USE GDOGB/6GW6
GGW6 USE
36 P 14344
6GW8
ECL86 $1.65 \quad 1.53$
6GX6 USE GGY5/6GK6
36 P 14351 6GX7 SE $\quad 3.192 .952 .66$
$\begin{array}{llllll}36 & \text { P } & 14369 & 6 G Y 5 & 2.97 & 2.75 \\ 36 & 2.48 \\ 14377 & 6 G Y 6 / 6 G \times 6 & 1.89 & 1.75 & 1.58\end{array}$
$\begin{array}{llllll}16 \text { P } 14377 & 6 G Y 6 / 6 G \times 6 & 1.89 & 1.75 & 1.58 \\ 36 \text { P } 14385 & 6 G Y 8 & 2.70 & 2.58 & 2.32\end{array}$
$\begin{array}{lllll}36 \mathrm{P} 14393 & 6 \mathrm{G} 25 & 1.46 & 1.35 & 1.22 \\ 36 \mathrm{P} 14401 & 6 \mathrm{H} 6 & 3.27 & 3.03 & 2.73\end{array}$
36 P 14401 6H6 USE 6HM5/6HA5
$\begin{array}{llll}\text { 6HA6 USE GHB6/6HA6 } & \\ 6 H B 5 & 2.72 & 2.53 & 2.28\end{array}$
$\begin{array}{lllll}36 & \text { P } 14419 & 6 H B 5 & 2.72 & 2.53 \\ 36 & 2.28 \\ 36 & 14427 & \text { 6HB6/6HA6 } & 2.65 & 2.45 \\ 2.21\end{array}$
$\begin{array}{llllll}36 \text { P } 14427 & \text { 6HB6/6HA6 } & 2.65 & 2.45 & 2.21 \\ 36 & \text { P } 14435 & 6 \mathrm{HB7} & 2.57 & 2.38 & 2.14 \\ 36 & \text { P } 21059 & 6 \mathrm{HD} 7 & 1.78 & 1.65 & 1.49\end{array}$ 36 P 21059 6HD7 1.781 .65
6HE5 USE G3B5/6HE5
$\begin{array}{lllll}36 \text { P } 14450 & \text { 6HF5 } & 4.70 & 4.35 & 3.92 \\ 36 & \text { P } 14468 & 6 H F 8 & 3.19 & 2.95 \\ 2.66\end{array}$ 6HG5 USE 6AQ5A/6HG5

| P14476 | ECF86 | 2.00 | 1.85 | 1.67 |
| :---: | :---: | :---: | :---: | :---: |
| 36 P 14492 | 6HJ8 | 1.57 | 1.55 | 1.40 |
| 36 P 14500 | 6HK5 | 2.11 | 1.95 | 1.76 |
| 36 P14518 | 6HL8 | 1.81 | 1.68 | 1.51 |
| 36 P 14526 | 6HM5/6HA5 | 2.27 | 2.10 | 1.89 |
| 36 P 14534 | 6HM6 | 1.59 | 1.48 | 1.33 |
| 36 P 14542 | 6HO5 | 3.00 | 2.78 | 2.50 |
| 36 P 14559 | 6HRS | 1.38 | 1.28 | 1.15 |
| 36 P 14567 | 6HR6 | 2.00 | 1.85 | 1.67 |
| $36 P 14575$ | 6HS5 | 4.64 | 4.30 | 3.87 |
| 36 P 14583 | 6H56 | 2.00 | 1.85 | 1.67 |
| 36 P 14591 | 6HS8 | 2.81 | 2.60 | 2.34 |
|  | 6HU6 | 2.62 | 2.4 | 2.1 |


| 36 | $P$ | 2.143 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

RCA-GE-RAYTHEON RECEIVING TUBES (Cont.)

 36 P 16745 12AU6 36 P 16752 12AU7A ECC82 36 P 16760 12AV5GA 36 P 16778 12AV6 36 P 16786 12AV7 36 P 16794 12AW6 36 P 1680212 AX3 36 P 16810 12AX4GT 36 P $16828 \quad 12 A \times 7$ ECC83
$12 A \times 7 A$ 7025
36 P $1683612 A Y 3 A$
36 P 16844 12 12 AY7
36 P 16851 12AZ7A 36 P 16869 1284A 36 P 16877 128A6 36 P 16885 128A7 36 P 16893 12806 36 P 16901 128E3 36 P 16919 128E6 36 P 16927 128F6 36 P 16935 12 12 F 11 36 P 16943 12BH7A 36 P 16950 128K5 36 P 16968128 L 6 36 P 16976 12BN6 36 P 16984 12BC6GA 36 P 16992 128C6GTB 12CU6 2.272 .101 .89
12BR3 USE 12 AF3/12BR3 36 P 1700 B 128R7 1285 36 P 17024 128ST3A USE 12 AV 3 $16 P 28$ UV USE $128 Y 7 / 128 \vee 7$ $\begin{array}{llllll}36 & p & 0297 & 128 V 11 & 2.59 & 2.40 \\ 36 & 2.16\end{array}$ 36 P 17057 12BY7 128V7/12DQ7

| 36 | P 17065 | 12826 | 2.11 |
| :--- | :--- | :--- | :--- | 36 P $17073 \quad 12827$ 12 C 5 USE $12 \mathrm{CU}^{2.24} 2.12 \mathrm{C} 5$

36 P 17001 12CA5
36 P 19863 12CL3 $\begin{array}{ll}36 & \text { P } 19863 \\ 36 & 12 C L 3 \\ 12 C N S\end{array}$ 36 P 17107 12CR6 $\begin{array}{llll}36 & \text { P } 21208 & 12 C T 3 \\ 36 & \text { P } & 17115 & 12 C T\end{array}$ 1.761 .631 .47
 12CUG USE 12BOKGTB

\section*{$\begin{array}{llll}36 & P & 17131 & 12 C X 6 \\ 36 & \text { P } 17149 & 12 D 4\end{array}$} 36 P 1715612085 36 P 17164 120E8 36 P 17172 120K6 | 36 |
| :--- | :--- | :--- | 17172 120K6 $\quad 1.67 \quad 1.551 .40$



## $12 \mathrm{DQ7}$ USE

$\begin{array}{llll}36 & \text { P } 17222 & 12 \mathrm{DS7} \\ 36 & \text { P } 17230 & 12 \mathrm{DT5}\end{array}$
36 P 17248 120T8
36 P 20747 120W4A 36 P 17271 120W7 12026 USE 12.656 / 2076
12EA6 USE 12EK6/12D26
$\begin{array}{lllllll}36 & P & 17313 & 12 E G 6 & 1.86 & 1.73 & 1.56\end{array}$ 36 P 17321 12EK6/120Z6/12EA6

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3
3
3
3
3
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3
36
3
3 $1.57 \quad 1.45 \quad 1.31$ $3.48 \quad 3.23 \quad 2.91$ $\begin{array}{lll}2.38 & 2.20 & 1.98 \\ 2.38 & 2.20 & 1.98\end{array}$ $\begin{array}{lll}2.38 & 2.20 & 1.98 \\ 1.67 & 1.55 & 1.40\end{array}$ $3.192 .95 \quad 2.66$ $1.24 \quad 1.15 \quad 1.04$ $\begin{array}{lll}2.03 & 1.88 & 1.69 \\ 1.81 & 1.68 & 1.51\end{array}$ $1.871 .68 \quad 1.06$ $3.43 \quad 3.182 .86$ $2.30 \quad 2.13 \quad 1.92$ $\begin{array}{llll}2.03 & 1.88 & 1.69\end{array}$ 2.192 .031 .83 $2.48 \quad 2.30 \quad 2.07$ $2.272 .10 \quad 1.89$ 2.272 .101 .89 $1.86 \quad 1.73 \quad 1.56$ $\begin{array}{lll}2.11 & 1.95 & 1.76 \\ 1.30 & 1.20 & 1.08\end{array}$ $\begin{array}{lll}1.30 & 120 & 1.08 \\ 2.24 & 2.08 & 1.87\end{array}$ 2.35 2.18 1.96 $\begin{array}{lll}1.92 & 1.78 & 1.60\end{array}$ $\begin{array}{llll}1.76 & 1.63 & 1.47\end{array}$ 1.591 .481 .33 $\begin{array}{lll}1.76 & 1.63 & 1.47 \\ 3.46 & 3.20 & 2.88\end{array}$

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|  | $2.892 .68 \quad 2.41$ 128Y7A/128V7 $2.11 \quad 1.951 .76$ 2.942 .732 .46 $1.65 \quad 1.53 \quad 1.38$ 1.861

1.941
1.9 $\begin{array}{lll}12 \text { EA6 } & 1.62\end{array}$


| tock No Tube Type | 1.5 | 5.24 |  |
| :--- | :--- | :--- | :--- | :--- |
| 15 |  |  |  | $\begin{array}{llllllllll}36 & 17594 & 12 J T 6 A & 2.67 & 2.48 & 2.23\end{array}$ 36 P $17602 \quad 12 \mathrm{~K} 5$ $\begin{array}{llll}1.86 & 1.73 & 1.56\end{array}$ $\begin{array}{lll}1.92 & 1.78 & 1.60\end{array}$ 36 P 17636 12L6GT 36 P 17644 12MD8 $-2$ 36 P17651 12R5 $\quad$ 12RK19 USE 1.811.

$12 A F 3$ 36 P 17685 12SC7 $2.972 .75 \quad 2.48$ 6 P 1768512 SC7 $2.812 .60 \quad 2.34$ 36 P 17701 12SF5 $\begin{array}{lll}3.35 & 3.10 & 2.79\end{array}$ 36 P 17719 12SG7 36 P 17727 12SH7 36 P $17735125 J 7$ 36 P 17743 12SK7 36 P 17768 12SL7GT $2.542 .35 \quad 2.12$ 36 P 17776 12SN7GTA 36 P $1778412 \mathrm{SQ7}$ 36 P $17800 \quad 12 T 10$ 36 P 17818 12V6GT 36 P 17826 12W6GT 36 P $1783412 \times 4$ 36 P 17842 13CW4 36 P 17859 13DE7 $\begin{array}{lll}36 & \text { P } 17867 & \text { 13DR7 } \\ 36 \text { P } 17875 & 13 E M 7 ।\end{array}$

15EA7 $2.78 \quad 2.58 \quad 2.32$

36 P 17883 $\begin{array}{lrrr}15 E A 7 & 3.48 & 3.23 & 2.91 \\ 13 F D 7 & 3.13 & 2.90 & 2.61 \\ 13 F M 7 & \text { USE } & 15 F M 7 / 13 F M 7\end{array}$ 36 P 17891 13GB5
$\begin{array}{lllll}\text { XL500 } & 2.35 & 2.18 & 1.96\end{array}$ 36 P 17909 13GF7A $3.08 \quad 2.85 \quad 2.5$
36 P $20317131728 \quad 2.72 \quad 2.532 .28$ 36 P 17917 13V10 $3.51 \quad 3.25 \quad 2.93$ $\begin{array}{lll}36 & \text { P } 17925 & 13210 / \\ 13110\end{array}$
3.703 .433 .09 36 P 17941 148L11 $\quad 4.324 .00 \quad 3.60$ $\begin{array}{llllll}36 \text { P } 17958 & 148 R 11 & 3.46 & 3.20 & 2.88 \\ 36 & \text { P } 17966 & \text { 14GT8 } & 1.89 & 1.75 & 1.58\end{array}$ 36 P 17966 14GT8 36 P 17974 14JG8 $\begin{array}{llll}1.89 & 1.75 & 1.58 \\ 2.16 & 2.00 & 1.80\end{array}$ $\begin{array}{lllllll}36 & \text { P } 17982 & 15 A F 11 & 2.83 & 2.63 & 2.37\end{array}$ $\begin{array}{llllllllll}36 & \text { P } 17990 & 158 D 11 A & 3.24 & 3.00 & 2.70\end{array}$ 36 P 18006 15CW5/PL841.32 1.231 .11 36 P 18014

15008
PCL84
15EA7 USE $13 E M 7 / 15 E A 7$

## 

36 P 18063 15KY8A
$\begin{array}{llll}36 & \text { P } 18071 & 15 \mathrm{LE} \\ 36 & \text { P } 21539 & 15 \mathrm{MFB}\end{array}$
36 P 21539 15MF8
36 P 18089
36 16A8,PCL 82
36
$\begin{array}{lll}2.38 & 2.20 & 1.98\end{array}$

$\begin{array}{llll}2.11 & 1.95 & 1.76\end{array}$ $\begin{array}{llll}3.75 & 3.45 & 3.13\end{array}$ | 18089 | $16 A 8, P C L 82$ | 1.86 | 1.55 | 2.30 |
| :--- | :--- | :--- | :--- | :--- | :--- | 36 P 19871 16AK9 $3.67 \quad 3.40 \quad 3.06$ $\begin{array}{llllllllll}36 & \text { P } 18097 & 16 A Q 3 \\ 36 & \text { X } & 1988 & 1.46 & 1.35 & 1.22\end{array}$ $\begin{array}{llllllllllll}36 & \text { P } 19889 & 168 Q 11 & 2.89 & 2.68 & 2.41\end{array}$ $\begin{array}{lllllll}36 & P & 19897 & 168 \times 11 & 3.35 & 3.10 & 2.79\end{array}$ 36 P 18105 16GK6 36 P 18113 16GY5 | 36 P 18121 | $16 K A 6$ |
| :--- | :--- |
| 36 | 20499 |
| 36 | 16 LU | $\begin{array}{ll}36 \text { P } 20499 & 16 L U 8 A \\ 36 & \text { P } 21240 \\ 17 A 8\end{array}$ $\begin{array}{ll}36 & \text { P } 21240 \\ 36 & \text { P } 20762 \\ 17 A B\end{array}$ $17 A B 10$ USE

36 P $1813917 A X 3 \quad 1.40 \quad 1.30 \quad 1.17$ $\begin{array}{lllllllll}36 P 18147 & 17 A X 4 G T B & 2.00 & 1.85 & 1.67\end{array}$ 36 P18154 17AY3. 17853
178814 $\begin{array}{lll}36 P 20770 & 178 B 14 \\ 36 & \text { P } 18162 \text { 178E3/ }\end{array}$ 17823 $\begin{array}{lll}1.65 & 1.53 & 1.38 \\ 2.62 & 2.43 & 2.19\end{array}$ $\begin{array}{llll}2.62 & 2.43 & 2.19 \\ 3.38 & 3.13 & 2.82\end{array}$ $\begin{array}{lll}36 \text { P } 18170 & 178 F 11 \\ 36 & \text { P18188 } & 178 H 3\end{array}$ 36 P $18196 \quad 17806 \mathrm{GT}$
36 P 20788 36 P20788 178R3/ $17 R K 19$
17 BS 3 A

## 36 P $2088717853 A$

 170 WAA178 W 3
$\begin{array}{lll}2.19 & 2.03 & 1.83\end{array}$ $\begin{array}{lll}2.19 & 2.03 & 1.133 \\ 3.51 & 3.25 & 2.93\end{array}$ $\begin{array}{lll}1.54 & 1.43 & 1.29 \\ 2.81 & 2.60 & 2.34\end{array}$ $\begin{array}{llll}2.01 & 1.85 & 1.67\end{array}$

## 36 P 20051

 17873 USE $1.73 \quad 1.60 \quad 1.44$ 17823 USE $178 E 3 / 17823$ 17823 USE 178E3/17817 C 5 USE $17 \mathrm{CU5} / 17 \mathrm{C} 5$

36 P 18212 17C9 $\quad 3.86 \quad 3.58 \quad 3.22$ | 36 |
| :--- | :--- | :--- | :--- | :--- | :--- | 18220 17CK3 $\quad 1.921 .78 ~ 1.60$ 36 P 19905 17CT3 $\begin{array}{llll}1.76 & 1.63 & 1.47\end{array}$ 36 P $1823817 \mathrm{CU5}$ / 17 C 5

$1.841 .70 \quad 1.53$
36 P18246 1704/
36 P 18253 170E4
2.402 .232 .01

36 P 18279 17DM4A USE 17D4

## 36 ค18287

17GW6

| 3.27 | 3.03 | 2.73 |
| :--- | :--- | :--- | :--- | 170WaA USE 178S3A

HCC85
$\begin{array}{llll}\text { HCC85 } & 1.49 & 1.38 & 1.24\end{array}$
USE 17BG6GTE
36 P 18303 17GJ5A $\quad 3.552 .181 .96$
36 P 1031 17GJ5A $\quad 3.593 .333 .00$
$\begin{array}{llllll}36 P 18329 & 17 G V 5 & 3.27 & 2.10 & 1.89\end{array}$ 17GW6 USE 17008

| lock Mo | Tube Type | 1-5 | 6.24 | Up |
| :---: | :---: | :---: | :---: | :---: |
| 36 P 18337 | 17H3 | 2.00 | 1.85 | 1.67 |
| 36 P 20796 | 17 HB 25 | 4.13 | 3.83 | 3.45 |
| 36 P 18345 | 17J86A | 3.48 | 3.23 | 1 |
| 36 P 21547 | 17JF6 | 4.00 | 3.70 | 3.33 |
| 36 P 18352 | 17JG6A | 3.40 | 3.15 | 4 |
| 36 P 18360 | 17JM6A | 3.51 | 3.25 | 2.93 |
| 36 P 18378 | 17 JN6 | 3.13 | 2.90 | 2.61 |
| 36 P 21554 | 17JQ6 | 2.81 | 2.60 | 2.34 |
| 36 P 18386 | 17JT6A | 3.32 | 3.08 | 2.77 |
| 36 P 18394 | $17 J 28$ | 2.11 | 1.95 | 1.76 |
| P 18402 | $17 \mathrm{KV6}$ | 4.64 | 4.30 | 3.87 |

36 P 18410

17RK19 USE 17BR
$\begin{array}{lllll}36 P 18410 & 17 \times 10 & 3.24 & 3.00 & 2.70\end{array}$ 36 P $20804 \quad 1723 /$ PY81 $2.38 \quad 2.20 \quad 1.98$ $\begin{array}{llllll}36 & \text { P } 18428 & 18 A 5 & 2.81 & 2.60 & 2.34\end{array}$ 36 P19913 18AL10 $\quad 3.192 .952 .66$ 36 P 18444 18FX6A 36 P 18451 18FY 6 A 36 P 20812 18GB5/

LL500
36 P 21760 18GD6A
36 P21257 18GV8/
36 P 21257 18GV8
$\begin{array}{llll}2.78 & 2.58 & 2.32\end{array}$

36 P 50397 IRRALI
$2.51 \quad 2.33 \quad 2.10$
36 P18477 19AU4GTB 2.352 .181 .96
 36 P 19921 19CG3 $\begin{aligned} & 2.16 \\ & \text { 19CL8A USE 19JN8 }\end{aligned}$
$\begin{array}{llllll}36 P 21265 & \text { 190E3 } & 2.54 & 2.35 & 2.12\end{array}$
36 P 21778 19DK3
36 P 21786 19DQ3
36 P 18501 19EA8
36 P 18519 19E28
36 P 21273 19F $\times 5$
36 P18527 19GG7
$\begin{array}{llll}36 & P & 18535 & \text { 19HR6 } \\ 36 & \text { P } 18550 & 19 H V 8\end{array}$
36 P $18568 \quad 19 \mathrm{~J} 6$
36 P 18576 19JN8
36 P18584 19KG8
$\begin{array}{llllll}36 & \text { P } 18592 & 1978 & 18 F \\ 36 & \text { P } 18600 & 19 \times 8 & 3.19 & 2.95 & 2.66 \\ 36 & 2.21 & 2.05 & 1.85\end{array}$
$\begin{array}{lll}36 & P 18600 & 19 \times 8 \\ 36 & \text { P } 18618 & 20 A 03 /\end{array}$
36 P18626 20EZ7
36 P 2128120 LF 6
36 P 18634 21GY5
36 P 20820 21JS6A/
23156A
36 P 18659 21JV6
36 P $1866721 J 26$
3 P $1867521 \mathrm{KA6}$
36 P 19939 21LG6A
36 P 18683 21LR8
36 P 1869121148

36 P 18717228 W $^{3}$
36 P 1872522 DE 4
36 P 1673322 JF 6
36 P 18741 22JG6A
36 P 19947 22JR6
36 P 1875822 JUG
$\begin{array}{llllll}36 & \text { P } 18766 & 22 K M 6 & 3.67 & 3.40 & 3.06 \\ 36 & 4.78 & 4.43 & 3.99\end{array}$

36 P 187742329 USE 2.812 .60

24JEGA USE 24LQ6
$\begin{array}{llllll}36 P 18790 & 24 J 28 & 2.43 & 2.25 & 2.03 \\ 36 P 20341 & 24 \mathrm{LQ6} / & & & \\ & \text { 24JEC } & 4.75 & 4.40 & 3.96\end{array}$
$\begin{array}{llllll}36 \text { P } 18816 & \text { 25AV5GA } & 3.05 & 2.83 & 2.55 \\ 36 & \text { P } 50421 & 258 B 14 & 5.67 & 5.25 & 4.72\end{array}$
36 P 18840 25806GA

$\begin{array}{llll}2.35 & 2.18 & 1.96\end{array}$
$\begin{array}{llllll}36 & \text { P18865 } & 25 C 5 & 2.38 & 2.20 & 1.98 \\ 36 & 2.19 & 2.03 & 1.83\end{array}$
36 P $1888125 C D 6 G B \quad 3.46 \quad 3202.88$
36 P 18899 25CG3
36 P 2083825 CK3
$\begin{array}{lll}36 & 20838 & 25 C K 3 \\ 36 & \text { P } 21570 & 25 C T 3\end{array}$
$\begin{array}{lll}1.84 & 1.70 & 1.53 \\ 1.84 & 1.70 & 1.53\end{array}$

36 P 21595 250K4
36 P 2159625013
$\begin{array}{lllll}36 & \text { P } 18915 & 25 D N 6 & 3.97 & 2.75 \\ 36 & 2.48 \\ 36 & 3.56 & 3.30 & 2.97\end{array}$
36 P 18923 25EC6
36 P 18931 25EH5
36 P 18949 25F5A
36 P 189492504
36
36
36 P 2161225 J 28
36 P $18956 \quad 25 L 6 G T /$
$25 W 6 G T$
afayette Cat. No. $730 \quad 247$

[^16]| Stock No. | Tube Type | 1.5 | 6.24 | $\begin{array}{r} 25: \\ U_{p} \end{array}$ |
| :---: | :---: | :---: | :---: | :---: |
| 36 P 18964 | 25W4GT | 2.00 | 1.85 | 1.67 |
|  | 25W6GT | 25L6 | 6GT |  |
| 36 ¢ 18980 | 2526GT | 2.08 | 1.93 | 1.74 |
| 36 P 20358 | 26HU5 | 6.51 | 6.03 | 5.42 |
| 36 P 21798 | 26LW6 | 5.62 | 5.20 | 4.68 |
| 36 P 21307 | $26 L \times 6$ | 5.13 | 4.75 | 4.28 |
| 36 P 19004 | 27GB5 | 2.00 | 1.85 | 1.67 |
| 36 P 19012 | 29GK6 | 1.94 | 1.80 | 1.62 |
| 36 P 20853 | 29K06 | 6.35 | 5.87 | 5.29 |
| 36 P 2162036 P 21315 | 29LE6 | 3.19 | 2.95 | 2.66 |
|  | 30AE3 ${ }^{\prime}$ |  |  |  |
|  | PY88 | 1.81 | 1.68 | 1.51 |
| 36 P 19020 | 30AG11 | 3.48 | 3.23 | 2.91 |
| 36 P 20861 | 30126 | 3.32 | 3.08 | 2.77 |
| 36 P 20879 | 30KD6 | 4.37 | 4.05 | 3.65 |
| 36 P 19954 | 31 AL 10 | 3.75 | 3.45 | 3.13 |
| 36 P 19038 | 31JS6C | 4.13 | 3.83 | 3.45 |
| 36 P 21323 | 31L06 | 4.59 | 4.25 | 3.63 |
| 36 P 21638 | 31LR8 | 5.43 | 5.02 | 4.52 |
| 36 P 21646 | 31126 | 5.27 | 4.88 | 4.39 |
| 36 P 19046 | 32ET5A | 1.30 | 1.20 | 1.08 |
| 36 P 19962 | $32 \mathrm{HQ}{ }^{\text {3 }}$ | 4.16 | 3.85 | 3.47 |
| 36 P 19053 | 33GT7 | 4.00 | 3.70 | 3.33 |
| 36 P 19061 | 33GY7A | 3.75 | 3.45 | 3.13 |
| 36 P 21653 | 33JR6 | 3.35 | 2.10 | 2.79 |
| 36. P 19970 | 33JV6 | 2.51 | 2.33 | 2.10 |
| 36 P 19087 | 34CE3/ |  |  |  |
|  | 34CD3 | 2.32 | 2.15 | 1.94 |
| 36 P 19095 | 34GDSA | 1.59 | 1.48 | 1.33 |
| 36 P 21331 | 34R3 | 2.03 | 1.88 | 1.69 |
| 36 P 19111 | 3585 | 1.73 | 1.60 | 1.44 |



| Stock No. | Tube Trpe | 1.5 | 6-24 | $25$ |
| :---: | :---: | :---: | :---: | :---: |
| 36 P 19392 | SOHN5 | 1.49 | 1.38 | 1.24 |
| 36 P 21356 | 50JY6 | 3.78 | 3.50 | 3.15 |
| 36 P 19400 | 50L6GT | 2.65 | 2.45 | 2.21 |
| 36 P 19426 | 50Y6GT | 2.35 | 2.18 | 1.96 |
| 36 P 19442 | 53HK7 | 4.51 | 4.18 | 3.76 |
| 36 P 19459 | $605 \times 5$ | 1.59 | 1.48 | 1.33 |
| 36 P 19475 | BO | 2.59 | 2.40 | 2.16 |
| 36 P 19509 | 117N7GT | 6.94 | 6.43 | 5.79 |
| 36 P 19525 | 11723 | 2.43 | 2.25 | 2.03 |
| 36 P 19541 | 5879 | 2.89 | 2.68 | 2.41 |
| 36 P 19558 | 6267 | 1.51 | 1.40 | 1.26 |
| 36 P 19566 | 6931 | 1.84 | 1.70 | 1.53 |
| 36 P 19574 | 6973 | 2.72 | 2.53 | 2.28 |
|  | 7025 U | ax7a | 7025 |  |
| 36 P 19590 | 7027A | 4.02 | 3.73 | 3.36 |
| 36 P 19608 | 7189A | 2.38 | 2.20 | 1.98 |
| 36 P 19616 | 7199 | 3.05 | 2.63 | 2.55 |
| 36 P 19624 | 7247 | 2.40 | 2.32 | 2.01 |
| 36 P 19632 | 7355 | 2.16 | 2.00 | 1.80 |
| 36 P 19640 | 7408 | 1.73 | 1.60 | 1.44 |
| 36 P 19657 | 7543 | 1.76 | 1.63 | 1.47 |
| 36 P 19665 | 7581A |  |  |  |
|  | KT66 7591 | 3.32 1.51 | 3.08 | 2.77 |
| 36 P 19681 | 75914 | 1.51 2.38 | 1.40 2.20 | 1.26 1.98 |
| 36 P 19699 | 7868 | 3.05 | 2.83 | 2.55 |
| 36 P 19715 | 8417 | 3.05 | 2.83 | 2.55 |
| 36 P 19723 | 8425A |  |  |  |
|  | 6AU6A | 1.76 | 1.63 | 1.47 |
| 36 P19731 | 8426A |  |  |  |
|  | 12AU6 | 2.03 | 1.88 | 1.69 |

## MULLARD HIGH FIDELITY TUBES

## Matched Pairs (Types Ending in MP)

Premium quality tubes widely used by Hi-fi equipment manufacturers. Tube types are directiy interchangeable with equivalent types listed. Imported from England. Shpg. wi., $1 / 2$ it

Consists of 2 of the type, measured and tested to be within close tolerance of each other to assure maximum balanced output. Wt, 1 to

| Stock No. | Tube Type | Equiv. Type | Net |
| :---: | :---: | :---: | :---: |
| 36 P 93870 | E891 | 6AL5 | 1.48 |
| 36 P 53888 | E8C81 | 680 7a | 3.00 |
| 36 P 53896 | EBC91 | GAV6 | 1.48 |
| 36 P 53912 | EC92 | 6 684 | 2.00 |
| 36 P 54548 | EC900 | 6HAS | 1.93 |
| 36 P 53979 | ECC88 | 6018 | 2.50 |
| 36 P 53995 | ECF82 | 6U8A/6K08 | 1.95 |
| $36 p 54555$ | ECF801 | 6GJ7 | 1.55 |
| 36 P 54019 | ECH81 | 6A)8 | 2.50 |
| 36 P 54027 | ECl80 | 6AD8 | 3.75 |
| 36 P 54050 | EF80 | $68 \times 6$ | 1.53 |
| 36 P 54068 | EF85 | $68 \mathrm{Y7}$ | 2.50 |
| 36 P 54076 | EF86 | 6267 | 1.70 |
| 36 P 54084 | Ef89 | 6046 | 2.05 |
| 36 P 54100 | EF94 | 6AU6A | 1.63 |
| 36 P 54142 | EK90 | 68E5 | 1.90 |
| 36 P 54191 | E190 | 6AO5: 6HG5 | 1.85 |
| 36 P 54217 | EM34 | $6 \mathrm{C07}$ | 4.75 |

TEC] MULLARD MASTER 10 M SERIES
This selected series of individually lab-tested tubes features tube-to-tube uniformity. section-to-section unfformity to the most stringent specifications. Hum, noise, microphonics and distortion kept to absolute minimum life to the maximum, Individual plastic

| Stock No. | 10M Type | Net | Stoek No. |
| :---: | :---: | :---: | :---: |
| 36 P 54704 | 6CY5 | 4.20 | 36 P 53490 |
| 36 P 53276 | $6 E \cup 7$ | 2.60 | 36 P 53500 |
| 36 P 54712 | 6EV5 | 4.20 | 36 P 53516 |
| 36 P 53292 | GGK5 | 2.65 | 36 P 53524 |
| 36 P 53334 | 6T8A | 3.10 | 36 P 53532 |
| 36 P 54720 | 128Y7A | 5.00 | 36 P 53540 |
| 36 P 54522 | 5654/6AK5W | 4.50 | 36 P 53557 |
| 36 P 53458 | 7025 W | 2.60 | 36 P 53565 |
| 36 P 53425 | 7247/120W7 | 2.85 | 35 P 53573 |
| 36 P 53474 | EABC80/6AK8 | 3.05 | 36 P 53581 |
| 36 P 53482 | E891/6ALS | 2.15 | 36 P 53599 |

A TUBE PIN STRAIGHTENER straightener plastic combination tube pin and Compactron large 7 pin

## tubes. <br> 13 P $¢ 1329$

Net .70

## B TUBE AND PARTS EXTRACTOR

This handy tube extractor is stilltulty consfructed of spring steel, nickel plated. Has ubber cushion on the prongs. 13 P 61211

Net 98

# Battery Eliminators - Chargers 

## LAFAYETTE 9-VOLT TRANSISTOR RADIO BATTERY CHARGER AND ELIMINATOR


sust plug into any $\mathbf{1 1 7}$-volt AC recepiscle and recharge your old 9 -volt battery for many hours of extra use; or operate your set Indoors without using the battery at all; or you can both charge battery and operate set at the same time. Has 4 -position switch for above functions plus off position and pilot light. Size $4 W \times l^{1 / h}, \mathrm{Hx}$ 254 " 0 . Imported Shpg, wt., $3 / 4 \mathrm{tb}$.

## 3990219

..Net 3.99
"STORAGE CELL" for TRANSISTOR RADIOS 9V BATTERY PLUS CHARGER

## ONE CHARGEABLE BATTERY

OUTLASTS DOZENS OF
CONVENTIONAL BATTERIES

- Replaces 2U6,216, and BL-006P
- Fluid Storage Type
- Plays About 15 Hours on One Charging
- Battery Recharges Overnight
- Complete-Battery Plus Charger

9V Battery complete witn charger. Battery $1 \% / 01 \% / 6 \%$ charger $31 / 8 x$ $11 / 4 \times 7{ }^{2}$. Imported. Shpg, wt., 5 oz .
99 P 90169 Battery and Charger


99 P 60261 Batterv Replacement for above
$\qquad$ Net 3.29

## LAFAYETTE MULTI-PURPOSE

 BATTERY CHARGER- Recharge All Popular Batteries-9V Transistor, AA Penlight, C And D Cells Up to 3 Át One Time!
- Just Plug.In And Use

Deslgned to charge regular carbon zinc, nickel cadmium and alkaline batteries. Charges up to 3 batteries in a relatively short time for less than a penny. Two compartments automatically adjest to size of battery inserted, plus 2 snaps are provided for 9V., transistor radio batteries. Red light indicates charger is operating. For 110 120 volts $50 / 60 \mathrm{~Hz}$ AC. Imported. Shpg. wt., $1 / 4 \mathrm{lb}$.
99 P 92058

## POWERHOUSE HOME BATTERY CHARGER <br> 

- Recharge Batteries Up to 15 Times - Built-in Battery Tester
- "D" - "C" - "AA" and 9V Transistor Sizes

Recharge from one to five batteries at one time. Safety is assured since charger is in operation only when lid is closed. Plugs into standard $110-120$ volt. 60 Hz AC outiel Importer.
34 P 24017 Shog. wt., $11 / 4$ lbs.
Net 4.75

## CHART CHARGE NICKEL-CADMIUM

 BATTERY CHARGER- Charges 1 to 10 Cells in Series up to 250 MA
- Solid-State Regulation

Meets the charging requirements of Nickel.cadmium cells in Industrial and hobby use. Continuously variable from 10 to 250 MA to charge 1 to 10 cells in series. Use of isolation transformer eliminates shock hazard solldistate, electronically regulated. No meter is reshock hazard. Solid-state, electronically reguated. No meter is reCord. $61 / 4 \times 31 / 4 \times 2^{\prime \prime}$. Shpg. Wt., $2^{3 / 4} \mathrm{lbs}$.
34 P41011


- 300 mA Rated Output
- Reverse Polarity Connector

LAFAYETTE UNIVERSAL6, $71 / 2$ and 9 VOLT ADAPTER


- Four Popular Terminations

This swithable $6,71 / 2$, and 9 volt battery eliminator substitutes for batteries in nearly all radios, cassettes, phonos, recorders and other battery operated equipment when used with 117 V $50-60 \mathrm{~Hz}$ input. Reverse polarity connector ( + or - ground) assures proper function of equipment. Selector switch for choice of $6,71 / 2$ and 9 V DC. Terminates in minature plug, sub-miniature plug, and the two popular coarial power jacks to fit nearly all equipment. Compact: $21 / 2 x$ 149 天 $11 / 2^{\circ}$. Imported. Shpg. wt., 12 oz . 99 P 35446

Net 3.79

## DELUXE LAFAYETTE NICKEL CADMIUM BATTERY CHARGER AND ELIMINATOR



- 12-Volt Battery Eliminator
- Charges at a Rate of 25 ma. per Hour
- Includes Battery Hoider for Cliarging 10 "AA" Penlite NiCad Cells
A deluxe 12 -volt battery eliminator and nickel cadmium battery charger. Charges 10 "AA" penlite nicad batteries in battery holder supplied, at a charging rate of 25 ma , per hour. Supplies 12 volts DC via power cable. Ideal for 117 VAC base station walkie talkie operation rated up to 2 watts input. A ruggedly constructed transformer operated power supply with switch, pltot lamp and fuse. Imported. Shpga, wt., 4 lbs.
34 P 01007
Net 6.95


Recharges all "D", "C", and 9-volt transistor carbon-ilinc, alkaline, mercury, and nichel cadmium batteries. Charging receptacles for 4 " $D$ " cells, 4 " $C$ " cells, 6 " $A A^{\prime \prime}$ cells and one $9 V$ battery permits recharging up to 14 batteries at one time. Transformer circultry operates on a demand princlple and automatically prevents overcharging. Has buitt-in battery tester-indicator light. Shock-proof since low voltage charging occurs only when lid is clnsed. Attractive, decorator styled hl-impact pliable plastic case. For 110.120 volt AC 60 Hz . Slze: $71 / 2 \times 43 / 4 \times 23 / 4$ ". Shpg, wt., $12 / 2 \mathrm{lbs}$. 34 P 25006

## BATTERY HOLDERS


A. Ultra-compact bakelite baltery case. Holds 8-11/2 volt (AA) penlite cells. $2 \$_{a}{ }^{\circ}$ holes, $11 /{ }^{\prime \prime}$ on centers for mounting. Size:

99 P 63232 ....................................Net 69
Same as above except holds $10-11 / 2$ volt (AA) penlight cells. size: $21 / 4 \times 23 / 4 \times 1 \%_{0}^{\prime \prime}$, Imported. Shpg. wt., 202. Net. 79
99 P 31353 ..............................Net. . 75 light cells. Has snap-on battery clip and leads. Size: 1$\}_{0} \times 1 K_{6} \times 21 / 4^{\prime \prime}$. Imported. 99 P 63315 Shpg. wt., 2 oz. ......Net . 45

# Batteries-Burgess, Eveready, RCA, Mallory 



## MALLORY DURACELL MERCURY BATTERIES



| $\begin{array}{l}\text { Types with e have snap connectlons. Shipping } \\ \text { weight varies from } 2 \text { oz. to } 10 \text { oz. max. }\end{array}$ |
| :--- |
| Stock No. Type No. Volts Nel Per Packate |  $\begin{array}{lll}32 & P 47566 & \text { RMM } \\ 32 & 47574 & \text { RM1R } \\ 32 & \text { P } 4582 & \text { RM4R } \\ 32 & \text { P } 46550 & \text { RM12 }\end{array}$


 Lafayette ready"
Stock No.
32

## PORTABLE A TYPES

$\begin{array}{ll}\text { phg. of } 6 & 2.15 \\ \text { phg. of } 6 & 2.19\end{array}$ phg of 62.19 $\begin{array}{ll}\text { pkg. of } 6 & 3.00 \\ \text { phg. of } 2 & 3.34\end{array}$
BATTERIES $\qquad$
-

| 32 P 48564 | 493 | प200 | Vs093 |  | 300 | 13/4 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 48804 | 497 | 4320 | VS797 | 3x1\% | 510 | , | 13.63 |
| 32 P 48820 | 491 | U160 | VS791 | $2 \mathrm{~K}_{1} \times 1 \mathrm{x}_{1} \times 4^{1} \mathrm{x}_{0}$ | 240 | 1 | 7.53 |

## NICKEL CADMIUM RECHARGEABLE BATTERIES

Hermetically sealed steef nickel cadmium cells. High energy. long lasting. unaffected by idie periods. May be recharged many times. All are 1.25 average discharge voltage. All capacities rated in milliampere-ohm except $\ddagger$ rated in ampere-hours.


# Popular Batteries at Popular Prices 

 Constructed To Lafayette's Rigid Specifications
#  <br>  <br> STANDARD BATTERIES <br> Replaces Manufacturer's Type <br> \begin{tabular}{|c|c|c|c|c|c|c|c|} \hline \multirow[b]{2}{*}{Stock No.} \& \multirow[b]{2}{*}{Voltage} \& \multirow[b]{2}{*}{Net} \& \multirow[b]{2}{*}{Lots $$
\text { of } 10
$$

 \& \multicolumn{4}{|l|}{\multirow[t]{2}{*}{Replaces Manufacturer's Type Bur. Eve. Shpe.}} <br>\hline \& \& \& \& \& \& \& <br>
\hline 99 P 62564 \& 11/2(D) \& . 19 \& 1.70 \& VS036 \& 2 \& 950 \& 502.ea. <br>
\hline 99 P 62572 \& 12/2(C) \& . 17 \& 1.50 \& vS035 \& 1 \& 935 \& 4 0z.ea. <br>
\hline 99 P 62580 \& $11 / 2(A A)$ \& . 10 \& . 80 \& vS034 \& 2 \& 915 \& $302 . e a$. <br>
\hline
\end{tabular}

## STANDARD g-VOLT TRANSISTOR BATTERY

99 P60212 $9 \quad .31 \quad 2.80 \quad$ VS323 2U6 216 3oz.ea.

## ALKALINE BATTERIES

These high energy Alkaline batteries provide up to 10 times longer life than ordinary zinc-carbon types in heavy and/or continuous drains, at all temperatures, Especially good for toys, phofo, radlos, tape pecorders, record players and heavy.duty flashlights. Imported.

| Stock No. | Voltag* | Net ed. | Replaces Mallery | Manut <br> Bur. <br> gess | Eve. resdy | Type shpg. $w t$. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 P 63786 | 11/2(D) | . 64 | MN1300 | AL2 | E95 | 702 |
| 99 P 63802 | 11/2(C) | . 52 | MN1400 | AL1 | 593 | 502. |
| 99 P 63828 | $11 / 2(A A)$ | . 45 | MN1500 | AL9 | E91 | 302. |

## MANGANESE ALKALINE BATTERIES

Up to 10 times longer life. Do not require rest period, operate with same efficlency in continuous or intermittent service.

| Stock No. | $\begin{aligned} & \text { Repl } \\ & \text { Eve- } \\ & \text { ready } \end{aligned}$ | ces Manu | R.C.A. | Type 8ur. ESS | Volt. age |  |  | Not |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32P46972 | EPX825 | PX-825 |  | APX825 | 1.5 | 2 | 2 | 99 |
| 32 P 48846 (0) | E95 | MN1 300 | VS1336 | AL2 | 1.5 | 7 | 1 | 65 |
| 32 P 47525 (AA) | ¢91 | MN1500 | VS1334 | AL9 | 1.5 | 4 | 2 | . 92 |
| 32 P 48879 (C) | E93 | MN1400 | V $\$ 1335$ | ALI | 1.5 | 4 | 1 | 52 |
| 32 P 47541 | E90 | MN9100 | V 51073 | ALN | 1.5 | 3 | 2 | 79 |
| $32 \mathrm{P} 48937(\mathrm{ARA})$ | 592 | MN2400 | VS1074 | AL7 | 1.5 | 3 | , | 46 |
| $32 \mathrm{P} 4 \mathrm{CaS1}$ | 523 | MN1306 | V\$1149 | AL133 | 4.5 | 3 | 1 | 1.27 |
| 32 P 47426 | 563 |  | VS1563 |  | 4.5 | 2 | 1 | 3.00 |
| 32 P 47434 | 564 |  | VS1564 |  | 13.5 | 7 | 1 | 10.99 |
| 32 P 47533 | - | MN1604 | V51323 | - | 9.0 | 4 | 1 | 98 |

## TRANSISTOR AND <br> HEARING AID BATTERIES

| Stock No. | ${ }^{\omega}$ Eve. ready" | $\begin{aligned} & \text { Bur. R } \\ & \text { gess } \end{aligned}$ | $\begin{aligned} & \text { Replaces } \\ & \text { A.C.A: } \end{aligned}$ | tr's Type Mallory | $\begin{aligned} & \text { Vort- } \\ & \text { age } \end{aligned}$ | $\begin{aligned} & \text { Wt. } \\ & \text { lbs. } \end{aligned}$ | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 46192 (0) | 1050 | 230 | vS336 | M13R | 1.5 | 2 | 23 |
| 32 P 47012 (C) | 1035 | 130 | VS335 | M14R | 1.5 | $1 / 4$ | 23 |
| 32 P 47020 (A, ${ }^{\text {a }}$ ) | 1015 | 930 | VS334 | M15R | 1.5 | $1 / 4$ | . 19 |
| 32 P 47038 | 243 |  | VS324 | - | 4.5 | H | 2.39 |
| 32 P 48077 | 216 | 206 | V 5323 | M1604 | 9.0 | \% | . 54 |
| 32 P 47046 | 246 | 2 N 6 | V 5305 | M1602 | 9.0 | \% | 1.50 |
| 32 P 48986 | 266 | M6 | vs322 | M1605 | 9.0 | $\%$ | 1.36 |
| 32 P 47053 | 276 | D6 | V 5306 | M1 603 | 9.0 |  | 1.67 |
| 32 P 47064 | 2506 | 06P1 | 1 VS301 | - | 9.0 | 174 | 2.71 |
| 32 P 47079 | 239 | $\times \times 9$ | VS304 |  | 13.5 | 1/4 | 2.67 |
| 32 P 47095 | 2356 N | C6X | V 5330 |  | 9.0 | 1 | 2.40 |
| 32 P 47129 | 226 | P6 | VS300A | M1600 | 9.0 | $1 / 4$ | 79 |

## FLASHLIGHT \& LANTERN BATTERIES

| 32 P 48655 (風) | 912 | 7 | V5074 | $12 / 2$ | 1/6 |  | . 16 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 47757 ( 4 A ) | 915 | 910 | VS034A | $11 / 2$ | 1/2 | 2 for | . 34 |
| 32 P 47509 (C) | 935 | 1 | VS035A | $11 / 2$ | H/8 | 2 for | . 39 |
| 32 P 47491 (0) | 950 | 2 | VS036 | 12/2 | 1/2 | 2 for | . 39 |
| 32 P 48671 | 735 | 410 | VS106 | 112 | 12/4 |  | 1.06 |
| 32 P 48689 | 16 ign . | 6 lgn . | v5006S | 11/2 | 23/8 |  | 1.20 |
| 32 P 48697 | 509 | F4M | VS040C | 6 | 13 |  | 1.13 |
| 32 P 48184 | 5105 | F4BP | vs040s | 6 | 11/2 |  | 1.13 |
| 32 P 48705 | 731 | TW1 | VS317 | 6 | $31 / 2$ |  | 2.30 |
| 32 P 48713 | 706 | 4F4H | V5103 | 6 | 63/4 |  | 4.67 |
| 32 P 47712 | 732 | TW2 | VS342 | 12 | $31 / 2$ |  | 2.64 |
| 32 P 48754 | 904 | NE | v5073 | 12/2 | 1/4 |  | . 10 |
| $32 \mathrm{P}^{\text {'487888 }}$ | 715 | 4F5H | V 5139 | 74/2 | 83/4 |  | 5.30 |
| 32 P 47764 |  | 246HD |  | 69 | 61/2 | 2 for | 7.66 |

## SHURITE BATTERY TESTERS

Pocket testers with metal dials, and prods.
Test batteries without load. ShDg. wt., 6 oz .

DC VOLTMETERS

| Stock No. | Range | Net |
| :--- | :--- | :--- |
| 38 P 59709 | 0.5 | 3.90 |
| 38 P 59717 | 0.7 | 3.90 |
| 38 P 59725 | 0.50 | 4.50 |
| 38 P 59733 | 0.2 .50 | 5.10 |
| 38 P 59774 | 0.2 .150 | 5.10 |

- Fresh Stocks
- Extra Dependability

Available in

- Standard Carbon-Zinc
- Extra Long Life
- Alkaline
- Nickel Cadmium

Lafayette's extra long Iffe batteries reduce the frequency of neces. sary replacement. They use a special chemical formulation which provides more than $50 \%$ longer useful life without either diminishing their sheff life or Increasing battery weight.

| Lots Replaces Manufacturer's TypeBur. Eve- Shpg. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| Stoch No. Vollage | Net | of 10 | aca gess | ready | wt. |
| 99 P $63661115(0)$ | 28 | 2.30 | V5036 2 | 950 | 502.02. |
| 99 P $6368711 / 2$ (C) | . 25 | 2.10 | VS035 | 935 | 4 oz.ea. |
| 99 P $6370311 / 2(A A)$ | . 18 | 1.40 | VS034 2 | 915 | 3 oz . ea. |
| EXTRA LONG LIFE g-VOLT TRANSISTOR BATTERY |  |  |  |  |  |
| 99 P63729 9 | . 49 | 4.00 V | 323 2U6 | 216 | 4 oz.ea. |
| AA NICKEL CADMIUM BATTERY |  |  |  |  |  |
| This Lafayette penllte nickel cadmium cell is manufactured to Lafay. ette's rigid specifications by one of America's best known manufacturers. Provides up to 500 charge-discharge cycles and the economies resulting from such recharging. |  |  |  |  |  |
| 32 P $4740011 / 4(A A)$ |  | 1.65 | CD6 | C450 | 302. ea |

Long Life

## EXTRA LONG LIFE BATTERIES

Battery Holders are made of Aluminum Alloy,
sturdy construction with insulated, nickel plated Brass eyelets. All multiple holders mount batteries side by side except litems
marked "mount end to end. Av. shpe. wt., 3 ozs



# Resistors and Resistor Assortments 

## FIXED COMPOSITION RESISTORS

Moulded carbon resistors in 1/6 to 2 watt ratings, $5 \%$ \& $10 \%$ tolerance. Made by leading American manufacturers such as Ailen Bradley, Speer and IRC to high Industry standards. Moulded bodies are in sulated to have high breakdown resistance. All have E.I.A. color coded bands for positive identification of ohmage and tolerance. All are brand new factory fresh stock with full length leads.


10\% RESISTORS - SELECT FROM CHART BELOW

| STOCK NO. | watts | RANGE SEE CHART BELOW | Net Each |  | MAY BE ASSORTED |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1.9 | 10-49 | 50.99 | 100 up |
| 52 P 2 | $1 / 4$ | 2.7 ohms to 22 meg |  |  | . 07 | . 05 |
| 52 P 3 | 1/2 | 1 ohm to 22 meg | . 12 | . 10 | . 08 | . 07 |
| 52 P 4 | 1 | 2.7 ohms to 22 meg | . 18 | . 15 | . 09 | . 08 |
| 52 P 5 | 2 | 10 chms to 22 meg | . 24 | . 20 | . 15 | . 11 |

CHART OF AVAILABLE $10 \%$ RESISTORS AND ORDERING CODE

| Ohms Code | Ohms | Code | Ohms | Code | Ohms | Code | Ohms | Code | Ohms | Code | Megs | Code |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.0001 | 10 | 025 | 120 | 051 | 1500 | 077 | 18K | 103 | 220K | 129 | 2.2 | 153 |
| 1.2003 | 12 | 027 | 150 | 053 | 1800 | 079 | 22K | 105 | 270 K | 131 | 2.7 | 155 |
| 1.5005 | 15 | 029 | 180 | 055 | 2200 | 081 | 27 K | 107 | 330 K | 133 | 3.3 | 157 |
| 1.8007 | 18 | 031 | 220 | 057 | 2700 | 083 | 33K | 109 | 390K | 135 | 3.9 | 159 |
| 2.20019 | 22 | 033 | 270 | 059 | 3300 | 085 | 39K | 111 | 470K | 137 | 4.7 | 161 |
| 2.7011 | 27 | 035 | 330 | 061 | 3900 | 087 | 47K | 113 | 560K | 139 | 5.6 | 163 |
| 3.3013 | 33 | 037 | 390 | 063 | 4700 | 089 | 56K | 115 | 680K | 141 | 6.8 | 165 |
| 3.9015 | 39 | 039 | 470 | 065 | 5600 | 091 | 68K | 117 | 820K | 143 | 8.2 | 167 |
| 4.7017 | 47 | 041 | 560 | 067 | 6800 | 093 | 82K | 119 | Mers | Code | 10 | 169 |
| 5.6019 | 56 | 043 | 680 | 069 | 8200 | 095 | 100K | 121 | 1.0 | 145 | 12 | 171 |
| 6.8021 | 68 | 045 | 820 | 071 | 10k | 097 | 120K | 123 | 1.2 | 147 | 15 | 173 |
| 8.2023 | 82 | 047 | 1000 | 073 | 12 K | 099 | 150K | 125 | 1.5 | 149 | 18 | 176 |
|  | 100 | 049 | 1200 | 075 | 15k | 101 | 180K | 127 | 1.8 | 151 | 22 | 177 |
| $5 \%$ RESISTORS - SELECT FROM CHART BELOW |  |  |  |  |  |  |  |  |  |  |  |  |
| STOCK NO. | watrs |  | Range see CHABT BELOW |  |  | Net Each |  |  | MaY 8E ASSORTEO |  |  |  |
|  |  |  | 1.8 | 10 | 42 | 50.92 |  | 1004 |  |
| 52 P 7 |  |  |  |  |  | 2.7 ohn | s to 22 | meg | 26 |  |  | . 14 |  | . 10 |  |
| 52 P 8 |  |  | 1 ohm | to 22 | meg | . 24 | 2 |  | . 12 |  | . 09 |  |
| 52 P 9 | 1 |  | 2.7 ohm | s to 22 | meg | . 36 | . 3 |  | .18 |  | . 13 |  |
| 53 P 1 | 2 |  | 10 ohm | s 1022 | meg | . 48 | . |  | . 24 |  | . 19 |  |


| Onms | Code | Ohms | Code | Ohms | Cade | Onms | Cede | 3nms | Code | hms | Code | Megs Code |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.0 | 001 | 11 | 078 | 120 | 051 | 1300 | 076 | 15K | 101 | 180K | 121 | 2.0 | 152 |
| 1.1 | 002 | 12 | 027 | 130 | 052 | 1500 | 077 | 16K | 102 | 200K | 128 | 2.2 | 153 |
| 1.2 | 003 | 13 | 020 | 150 | 053 | 1600 | 078 | 18 K | 103 | 220 K | 129 | 2.4 | 154 |
| 1.3 | 004 | 15 | 023 | 160 | 054 | 1800 | 079 | 20K | 104 | 240 K | 130 | 2.7 | 155 |
| 1.5 | 005 | 16 | 030 | 180 | 055 | 2000 | 080 | 22 K | in5 | 270 K | 131 | 3.0 | 156 |
| 1.6 | 006 | 18 | 031 | 200 | 056 | 2200 | 081 | 24 K | 106 | 300k | 132 | 3.3 | 157 |
| 1.8 | 007 | 20 | 032 | 220 | 057 | 2400 | 0.2 | 27K | 107 | 330 K | 133 | 3.6 | 158 |
| 2.0 | D08 | 22 | 033 | 240 | 058 | 2700 | 083 | 30K | 108 | 360K | 134 | 3.9 | 153 |
| 2.2 | 009 | 24 | 034 | 270 | 059 | 3000 | 084 | 33K | 109 | 390K | 135 | 4.3 | 160 |
| 2.4 | 010 | 27 | 035 | 300 | 0 CO | 3300 | 085 | 36 K | 110 | 43 Kk | 136 | 4.7 | 161 |
| 2.7 | 011 | 30 | 036 | 330 | 061 | 3600 | 086 | 39\% | 111 | 470 K | 137 | 5.1 | 162 |
| 3.0 | 012 | 33 | 037 | 360 | 062 | 3900 | 087 | 43K | 112 | 510 K | 138 | 5.6 | 163 |
| 3.3 | 013 | 36 | 038 | 390 | 053 | 4300 | 088 | 47K | 113 | 560 K | 139 | 6.2 | 164 |
| 3.6 | 014 | 39 | 039 | 430 | 054 | 4700 | 089 | 51 K | 114 | 620K | 140 | 6.8 | 165 |
| 3.9 | 015 | 43 | 040 | 470 | 065 | 5100 | 090 | 56 K | 115 | 680K | 141 | 7.5 | 165 |
| 4.3 | 016 | 47 | 041 | 510 | 065 | 5600 | 091 | 62K | 116 | 750 K | 142 | 8.2 | 167 |
| 4.7 | 017 | 51 | 042 | 560 | 067 | 6200 | 092 | 68 K | 117 | 820K | 143 | 9.1 | 168 |
|  |  |  | 043 | 620 | 068 | 6800 | 093 | 75K | 118 | 910K | 144 | 10 | 169 |
| 5.6 | 019 | 62 | 044 | 680 | 069 | 7500 | 094 | 82 K | 118 | Megs | Code | 11 | 170 |
| 6.2 | 020 | 68 | 045 | 750 | 070 | 8200 | 095 | 91 K | 120 | 10 | 145 | 12 | 171 |
| 6.8 | 021 | 75 | 045 | 820 | 071 | 9100 | 096 | 100K | 121 | 1.1 | 145 | 13 | 172 |
| 7.5 | 022 | 82 | 047 | 910 | 072 | 10k | 097 | 110k | 122 | 1.2 | 147 | 15 | 173 |
| 8.2 | 023 | 91 | 048 | 1000 | 073 | 11 K | 099 | 120K | 123 | 13 | 148 | 16 | 174 |
| 9.1 | 024 | 100 | 049 | 1100 | 074 | 12 K | 099 | 130 K | 124 | 15 | 149 | 18 | 175 |
| 10 | 025 | 110 | 050 | 1200 | 075 | 13K | 100 | 150k | 125 | 1.6 | 150 | 20 | 176 |
|  |  |  |  |  |  |  |  | 160 K | 126 | : 8 | 151 | 22 | 177 |

## MOST POPULAR KIT OF 100 CARBON RESISTORS <br> $1 / 2$ WATT - 10\% <br> 

Designed especially for the serviceman. Here is selection of 100 resistors of the most popular values used in general service work. All brand-new $1 / 2$ watt $10 \%$, full lead length resistors. Color coded. This is no random assortment. You get 3 each: $100,470,2200$ ohms; 4 each: $1 \mathrm{~K}, 4.7 \mathrm{~K}, 22 \mathrm{~K} .27 \mathrm{~K}, 33 \mathrm{~K}, 47 \mathrm{~K}$, $.15 \mathrm{meg}, .27$ meg, 2.2 meg; 5-10K; 10 each: .1 meg. 47 meg, 1 mer. olus 20 other popular values. Shpg. wt., 4 oz.
32 P 99047
Net 2.98

## $1 / 2 \& 1$ WATT CARBON RESISTOR ASSORTMENT


#### Abstract

$\square 1^{98}$ A value packed assortment of carbon resis tors. Kit of 100 resistors consists of $75 \mathrm{~s} / \mathrm{z}$. watt and $251 \cdot$ watt resistors. Wide range of resistance value in varied tolerances. All have the standard RMA color code and nor mal length axial leads. Shpg. wt., 6 oz. 32 P 60007

Net 1.98


## 1 WATT CARBON RESISTOR KIT



100 plece hit of $1 / 4$ watt carbon resistors. Assortment of 33 selected values. Body size approx. $1 / 4^{\prime \prime}$ long $x y_{2}{ }^{-\prime}$ dia, All $+10 \%$ tolep. ance. Shpg. wt., 3 oz. 32 P 60031

OHMITE OHM'S LAW CALCULATOR


Solves Ohm's Law problems with juss one setting of the slide. Has parallel resistance computing scales. Covers range from 0.01 ohm to 100 mezohms. Current scale In amperes and millamperes. Handy pocket size $9 \times 3^{3}$. Shpr. wt., 3 oz.
34 P 63023
Net .25
1)1.

IRC RESIST. O-GUIOE

Pocket slie guide, identifies resistance values and color code. Simply dial the colors or resistance values; corresponding data comes up automaticaliy, MIL, EIA, and standard values listed on reverse side.
33 P 45436 Shpg. wt. 2 oz. Net ea. . 20

# Power Resistors-Variable Transformers 

IRC PW-10 POWER RESISTORS
10 Watt wire wound resistors with axial leads, Rectangular ceramic body. $10 \%$ toler. ance. Body size $17 \mathrm{~m}^{\prime \prime}$ Long $\times \mathbf{\$ "}$ square.

Stock No. 33 P 46004 33 P 46012 33 P 46020 33 P 46038 33 P 46046 33 P 46053 33 P 46061 33 P 46079 33 P 46087 33 P 46095 33 P 46103 33 P 46111 33 P 46129 33 P 46137
33 P 46145 33 P 46152
 33 P $46194 \quad 250$
Shipping wt., 2 oz.
Net ea. . 36

## MALLORY AOJUSTABLE POWER RESISTORS



Same fine quality and construction as the fixed types, but with an exposed section of winding to provide tapping-off value of the resistor. All with lug terminals, tolerance $\pm 10 \%$, each supplied with 2 mtg . feet and one adiustable clip. Type 2AV $K_{4}{ }^{\prime \prime}$ dia. $x 2^{\prime}$ long, wt., 3 oz. Type $5 A V K_{a^{\prime \prime}}$ dia. $4^{\prime \prime \prime}$ long, wt., 4 oz. Type loav $44^{\prime \prime}$ dia. $x 61 / z^{\prime \prime}$ long, wt. 7 oz .

## TYPE 2AV-25 WATT ADJUSTABLE

| Stoch No. | Ohms | Net Ea. | Stock No. | Ohns | Net Es. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 43148 | 1 | 1.34 | 30 P 43288 | 500 | 134 |
| 30 P 43155 | 3 | 1.34 | 30 P 43304 | 1000 | 1.34 |
| 30 P 43163 | 5 | 1.34 | 30 P 43320 | 1500 | 1.39 |
| 30 P 43171 | 10 | 1.34 | 30 P 43338 | 2000 | 1.39 |
| 30 P 43169 | 15 | 1.34 | 30 P 43346 | 2500 | 1.39 |
| 30 P 43197 | 25 | 1.34 | 30 P 43387 | 5000 | 1.39 |
| 30 P 43205 | 50 | 1.34 | 30 P 43385 | 6000 | 1.48 |
| 30 P 43221 | 100 | 1.34 | 30 P 43403 | 7500 | 1.49 |
| 30 P 43239 | 150 | 1.34 | 30 P 43411 | 10K | 1.49 |
| 30 P 43247 | 200 | 1.34 | 30 P 43429 | 12K | 1.55 |
| 30 P 43254 | 250 | 1.34 | 30 P 43437 | 15 K | 1.55 |
| 30 P 43262 | 300 | 1.34 | 30 P 43445 | 20 K | 1.55 |
| 30 P 43270 | 400 | 1.34 |  |  |  |

## TYPE 5AV- 50 WATT ADJUSTABLE

| 30 P 43460 |  | 2.32 | 30 P 43577 | 400 | 1.81 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 43478 | 2 | 2.32 | 30 P 43585 | 500 | 1.81 |
| 30 P 43486 | 5 | 2.32 | 30 P 43601 | 1000 | 1.81 |
| 30 P 43494 | 10 | 1.81 | 30 P 43619 | 1500 | 1.86 |
| 30 P 43502 | 25 | 1.81 | 30 P 43635 | 2500 | 1.86 |
| 30 P 43510 | 50 | 1.81 | 30 P 43668 | 5000 | 1.86 |
| 30 P 43528 | 75 | 1.81 | 30 P 43684 | 10 K | 1.91 |
| 30 P 43536 | 100 | 1.81 | 30 P 43700 | 20K | 2.01 |
| 30 P 43551 | 200 | 1.81 | 30 P 43718 | 25K | 2.21 |
| 30 P 43569 | 250 | 1.81 | 30 P 43742 | 50K | 2.42 |


| TYPE $10 A V-100$ WATT ADJUSTABLE |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 44021 | 1 | 2.28 | 30 P 44146 | - 500 | 2.28 |
| 30 P 44039 | 2 | 2.28 | 30 P 44153 | 3750 | 2.28 |
| 30 P 44047 | 5 | 2.28 | 30 P 44161 | 1000 | 2.28 |
| 30 P 44054 | 10 | 2.20 | 30 P 44187 | - 2000 | 2.34 |
| 30 P 44062 | 25 | 2.28 | 30 P 44203 | 33000 | 2.34 |
| 30 P 44070 | 50 | 2.28 | 30 P 44245 | 5 10K | 2.49 |
| 30 P 44088 | 100 | 2.28 | 30 P 44252 | $215 K$ | 2.62 |
| 30 P 44096 | 150 | 2.28 | 30 P 44278 | - 25 K | 2.90 |
| 30 P 44104 | 200 | 2.28 | 30 P 44310 | - 50K | 3.24 |
| Extra Feel |  |  |  | Extra sliders |  |
| Stoch No. | Net ea. | For | Use With | Stock No. | Net as |
| 30 P 48352 | . 06 | 25 and | 50 Watt 3 | 30 P 49087 | 18 |
| 30 P 48360 | . 10 | 100 | Watt | 30 P 49095 | . 18 |

Finest quality wirewounds on ceramic cores with vitreous enamel covering. Give full wattage dissipation. Tolerance $\# 5 \%$ on all vatues above 10 ohms, other $\pm 10 \%$. All types have lug terminals and mounting feet, Lugs and leads are firmly embedded. Sizes Ko" dia, $\times 2^{*}$ long. Shpg. wt., 402 .

## MALLORY FIXED POWER RESISTORS

## TYPE $2.5 \mathrm{HJ}-25$ WATT FIXED

| Stoch No. | Ohms | Net Ep. | Stock No. | Ohms | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 53683 | 1 | . 75 | 30 P 53840 | 1000 | . 75 |
| 30 P 53691 | 2 | . 75 | 30 P 53857 | 1500 | . 78 |
| 30 P 53709 | 3 | . 75 | 30 P 53865 | 2000 | . 78 |
| 30 P 53717 | 5 | . 75 | 30 P 53873 | 2500 | . 78 |
| 30 P 53725 | 7.5 | . 75 | 30 P 53899 | 3500 | . 78 |
| 30 P 53733 | 10 | . 75 | 30 P 53915 | 5000 | . 78 |
| 30 P 53741 | 15 | . 75 | 30 P 53949 | 10K | . 93 |
| 30 P 53758 | 25 | . 75 | 33 P 53956 | 12.5K | . 98 |
| 30 P 53766 | 50 | . 75 | 30 P 53964 | 15K | . 98 |
| 30 P 53782 | 100 | . 75 | 30 P 53972 | 20K | . 98 |
| 30 P 53808 | 200 | . 75 | 30 P 53980 | 25K | 1.03 |
| 30 P 53816 | 250 | . 75 | 30 P 54004 | 40K | 1.03 |
| 30 P 53824 | 500 | . 75 | 30 P 54012 | 50K | 1.29 |
| 30 P 53832 | 750 | . 75 | 30 P 54038 | 100K | 1.67 |

## STACO INC. VARIABLE AUTO-TRANSFORMERS



## (B) <br> (C)

(6)

one turn of wire. $\ddagger$ Deluxe types have circuit breaker. pilst IIght, banana jacks. on-off switch and 3 prong plug and
receptacle. Bench types are fused with pilot light \& switch.

Made of a single-layer winding and high grade toroidal core. Sliding brush taps transformer to permit selection of output voltage. Brush is always in contact with at least

| Stoct No. | Mte. No. | Input |  | Output |  | Oestription | Size | Wgt. tbs. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | F1. Volts | 5 Hz | Volts | Amp 3 |  |  |  |  |
| 33 P 70343 | 171 | F 120 | 50/60, 60 | $0.120,0.132$ | 1.75 | For Mounting in Panels up to 1/4" | 21 K0, Dia. $\times 2 \mathrm{~K}_{4} \mathrm{O}$. | $21 / 2$ | 12.00 |
| 33 P 70335 | 251 | F 120 | 50/60, 60 | $0.120,0.132$ | 2.50 | For Mounting in Panels up to $1 / 2 \mathrm{c}$ | $2{ }^{1 \%}$, Dia. $\times 3{ }^{1 \%}$ D. | 31/4 | 13.00 |
| 33 P 70327 | 371 | J 120 | 50/60,60 | $0.120,0.140$ | - 3.75 | For Mountins in Panels up to $1 / 2^{\prime \prime}$ | $31 / 4 \mathrm{Sq} . \times 31 / 4 \mathrm{D}$. | $57 /$ | 18.00 |
| 33 P 70319 | 501 | 120 | 50/60 | $0-120,0.140$ | - 5.00 | For Mounting in Panefs up to $1 / 2^{* \prime}$ | $43 / 4 \times 33 / 4 \times 33 / 0$. | 63/4 | 19.00 |
| 33 P 70301 | 1010 | 120 | 50/60 | $0-120,0.140$ | - 10.00 | For Mounting in Panels up to $1 / 2^{\prime \prime}$ | $53 / 4 \times 5 \times 4 \% 0$. | 101/ | 25.00 |
| 33 P 70293x | 1510 | B 120 | 50/60 | $0.120,0.140$ | 15.00 | For Mounting in Panels up to $1 / 2^{\prime \prime}$ " | $8 \%_{6} \times 8 \times 51 \%$ 。 | 201/4 | 48.00 |
| 33 P 70277X | 1520 | B 240 | 50/60 | $0.240,0.280$ | - 9.5 | For Mounting in Panels up to $1 / 2$ " | 81/4 8 ¢ $51 \%$, | 20 | 48.00 |
| 33 P 70269 | 2PF171* | G 120 | 60 | 0.132 | 1.75 | (w/2 Cond. Cord, Plug \& \$ocket | 37\% Sq. $\mathrm{I}^{21 / 2}$ | 33/4 | 23.00 |
| 33 P 70251 | 2PF501* | H 120 | 50/60 | $0-120,0-140$ | - 5.0 | w/2 Cond., Cord, Plug \& Socket | 6\%/0 $\times 51 / 8 \times 41 / 2$ | 101/4 | 32.00 |
| 33 P 70244 | 3 PN 501 . | H 120 | 50/60 | $0.120,0.140$ | - 5.0 | w/3 Cond., Cord, Plug \& Socket |  | 97/ | 35.00 |
| 33 P 70236 | 2PF1010* | C 120 | 50/60 | $0.120,0.140$ | 10.0 | w/2 Cond. Cord, Plug \& Socket | 6\% $\times 5 \times 4 \% 6$ | 127/4 | 34.00 |
| 33 P 70228 | 3 PN1010* | C 120 | 50/60 | $0-120,0.140$ | - 10.0 | w/3 Cond., Cord, Plug \& Socket | $63 / 0 \times 5 \times 46$ | 12 | 40.00 |
| 33 P 70210x | $3 \mathrm{PN1510}{ }^{\circ}$ | D 120 | 50/60 | 0-140 | 15.0 | w/3 Cond., Cord, Plug \& Socket | $9 \times 636 \times 51 / 48$ | 22 | 63.50 |
| 33 P 70350 | 2PF1010V | C 120 | $50 / 60$ | $0-140$ | 10.0 | w/3 Cond., Cord, Plug s Socket | $51 / 585 \times 4{ }^{2}$ | 12 | 54.75 |
| 33 P 70368 | 3 3PF1010V | C 240 | $50 / 60$ | 0.140 | 10.0 | w/3 Cond., Cord, Plug \& Socket | $51 y_{0} \times 5 \times 43^{2}$ | 12 | 56.75 |
| 33 P 70376 | 3PF1020V | C 120 | 50/60 | 0-280 | 3.5 | w/3 Cond., Cord, Plug o Socket |  | 12 | 64.75 |
| 33 P 70194W | E EJ40iv \$- | A 120 | 50/60 | 0.140 | 4.0 AC/D | Deluxe tsolated Typew/0.150 V. Meter | 91/2× 12 不 $\times 63 / 8$ | 31 | 121.00 |

# Stancor Transformers 

## POWER TRANSFORMERS

Al primaries $117 \vee 60 \mathrm{~Hz}$ ，All 6.3 V secondarles are C．T．except a and $\mathrm{PC}-8414$ which has extra 6.3 V 3．0A．winding Types with are for selenium or silicon rectitier circuits or tubes such as 6 Ax 5 ， $6 \times 44$ ， $6 \times 5$ ，efc．$\uparrow$ Plate V ．not center tapped．For half wave circuits．For full wave C． I ．circuits．


| Stock No． | Stan No． | VCT | Ma | $\begin{gathered} 5 \mathrm{~V} \\ \text { Amp } \end{gathered}$ | $\begin{aligned} & 6.3 \mathrm{~V} \\ & \mathrm{Amp} \end{aligned}$ | $\begin{gathered} 12.6 \mathrm{~V} \\ \text { AMP } \end{gathered}$ | Site | $\mathrm{Mtg} .$ Type | Wt．lbs． | Nef <br> Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $33.50946^{\circ}$ | PS．8415 | 1254t | 15 |  | 0.6 |  | 2x2\％x1\％ |  |  |  |
| 33 P 84633 | P8624 | 125＊ | 15 | － | 0.6 | 0.3 | 1130x2\％\％15 | S | $1^{1 / 4}$ | 3.64 |
| 33 P84641 | P8626 | 125 | 50 |  |  | 0.1 | 2K0x31\％${ }_{4} \times 21 / 4$ | A | $11 / 2$ | 3.64 5.69 |
| 31 P 84658 | P8627 | 150 | 25 | 二 | － | 0.3 | ${ }_{2 \times 27 / 6 \times 1 \%}$ | A V | $12 / 2$ | 5.69 $\mathbf{5 . 3 7}$ |
| 33 P 80953＊ | PA－8421 | 125 － | 50 | 二 | 2.0 | 0.3 |  | A | $2^{1 / 2}$ | 5.37 5.69 |
| $33.80961 *$ | PS 8416 | $250 \ddagger$ | 25 | － | 1.0 | － | 2\％8027／6x17／4 | A |  | 5.69 4.66 |
| 31 P 84666 | P8625 | 250 ＊ | 25 | － | － | 0.5 | $27 \times 27 / 6{ }^{1 / \mathrm{K}}$ | 5 | 12 | 4.66 |
| 33 P 80979＊ | PC－8418 | $460 \ddagger$ | 50 |  | 2.5 | 0.5 | $3 \%_{6} \times 2$ 物 $\times 2$ \％$/ 4$ | $\stackrel{5}{C}$ |  | 7.66 7.00 |
| 33 P 81027 | PM－8402 | 480 | 55 | 2.0 | 2.0 | － | 23／x21／2x3 | M | 21／2 | 7.00 9.20 |
| $33-1050^{\circ}$ | PC－8419 | 480\％ | 70 |  | 3.0 | － | 27\％21／2x3 | C | 3 | 8.20 |
| 33 P 11134 | PC－8405 | 540 | 120 | 3.0 | 3.5 | － | $4 \times 31 / 4 \times 31 / 2$ | C | 57／4 | 12.46 |
| 33 P .80122 | PC． 8407 | 650 | 55 | 2.0 | 2.0 | － | 31／6x25．631／6 | C | 31／2 | 9．20 |
| 33 P 80763 | PC－8409 | 700 | 90 | 2.0 | 3.0 | － | 356x3x ${ }^{\text {\％}}$ | C | 47／ | 12.50 |
| 33 P 80821 | PC－8412 | 800 | 200 | 3.0 | 5.0 |  | $43 / 84 \times 4$ | C | 91／4 | 17.35 |
| 33 P 80839 | PC． 8414 | 1200 | 200 | 3.0 | 3.0 | － | $411 / 6 \times 33 / 4 \times 4$ | C | 101／2 | 22.88 |

## FILAMENT／CONTROL／RECTIFIER TRANSFORMERS

All primaries are 117 volt $50-60 \mathrm{~Hz}$ AC except $\uparrow$ which have a $117 / 107 \mathrm{~V}$ and which have $230 \mathrm{~V}, 50 \cdot 60 \mathrm{~Hz}$


| Stock No． | Stan．Mo． | Volts | $\begin{gathered} \text { Secondary I } \\ \text { Amperes } \end{gathered}$ | Insul． | $\begin{aligned} & \text { Mte. } \\ & \text { Type } \end{aligned}$ | shipe．Wt． In liss． | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 80847 | P． 6133 | 2.5 CT | 5.0 | 7，500 |  |  |  |
| 33 P 04674 | P． 8628 | 2.5 Cl | 0.3 | 1，500 | S |  | 5.90 |
| 33 P 84682 | P－8629 | 2.5 CT | 1.0 | 1，500 | A | 1／4 | 2.37 |
| 33 P 80888 | P－6467 | 5.0 CT | 3.0 | 2，500 | A | 1／4 | 2.30 |
| 33 P 80490 | P． 6465 | 6.3 CT | － 6 | 1，500 | ${ }_{\text {A }}$ | ， | 4.10 |
| 33 P 84690 | P－8705．4 | 6.3 CT | ． 6 | 1，500 | ${ }_{\text {A }}$ | $1 / 2$ | 3.00 |
| 33 P 80508 | P． 6134 | 6.3 CT | 1.2 | 1,500 3,000 | ${ }^{\text {A }}$ | $1 / 4$ | 3.10 |
| 33 P 80516 | P－8190 | 6.3 | 1.2 | 5，000 | ${ }^{\text {A }}$ | 1 | 3.14 |
| 33 － 10557 | P－6466 | 6.3 cT | 3.0 | 2，500 | A | 11／4 | 4.40 |
| 33 P 80615 | P． 3064 | 6.3 CT | 6.0 | 2.500 | BY | 112 | 4.40 |
| $33 P 80631$ | P－6456 ${ }^{\text {＋}}$ | 6.3 CT | 6.0 | 2.500 2,000 | BV | 27／4 | 7.80 |
| 33 P 80649 | P． 6464 | 6.3 CT | 10.0 | 2,000 2,000 | ${ }_{C}$ |  | 6.50 |
| 33 P 80664 | P．6309 $\dagger$ | 6.3 CT | 20.0 | 2,000 $\mathbf{2}, 500$ | C | 31／4 | 5.47 |
| 33 P 80698 | P－64584 | 10.0 CT | 20.0 5.0 | 2,500 $\mathbf{2 , 0 0 0}$ | By | 73／4 | 13.83 |
| 33 P 81191 | P． 8130 | 12.6 CT | 5.0 2.0 | 2,000 1,500 | BV |  | 9.16 |
| 33 P 84708 | P－8715\％ | 12.6 CT | 2.0 | 1，500 | ${ }^{\text {a }}$ | 112 | 4.00 |
| 33 P 84716 | P－8604 | 20.0 CT | 1.0 | 1．500 | ${ }^{\text {a }}$ | $11 / 4$ | 4.35 |
| 33 P81209 | P－6469 | 25.2 | 1.0 | 1，500 | ${ }^{1}$ | $11 / 4$ | 3.67 |
| 33 P84724 | P－8614 | 30.0 | 3.0 | $\underline{2.500}$ | ${ }_{\text {c }}$ | $11 / 2$ | 3.85 |

## DRIVER TRANSFORMERS

All type $a \mathrm{mtg}, 10,000$ ohm primary，singte plate to push－pull grids．Use between first audio and push． pull output，Ratio is pri．to $1 / 2 \mathrm{Sec}$ ．

| Stock Me． | Stan．No． | Max Ma <br> Pri．OC | Pri． Ohms | Ratio＊ | Size | shage． WL | Mel <br> Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $33 \mathrm{~F} T 217$ | A．4713 | 30 | 10，000 | 2：1 | 15627／6x1／2 |  |  |
| 33 P 11225 | A－4723 | 30 | 10，000 | 3：1 | $15 / 8 \times 27 / 6 \times 11 / 2$ | $3 / 4$ | $4.02$ |

## ISOLATION TRANSFORMERS

All have 1500 V insul．$\uparrow$ Pri．tapped for 125,115 and 105 V with 115 V ．Sec．－117．Pri．and tapped sec． with sockets for 105,115 and 125 V ．$\ddagger 115 \mathrm{~V}$ Pri．to 115 V sec．

| Stock Mo． | Stan．No． | Fig． | Sire | Watts | Wt，Lis． | Net Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 84807 | P6413） | A | 11／4x21／ex1／4 | 0.6 |  |  |
| 33 P 2413 | P－6410 | K |  | 50 | $5^{1 / 4}$ | 2．40 |
| 33 P 82421 | P．6415 | KC | $574 \times 42 \times 533^{\prime \prime}$ | 50 350 | 183／4 | 11.61 38.20 |

## CONTROL／RECTIFIER TRANSFORMERS

Automation－type transformer designed for high speed automatic equip．Adapted to relays and ollot
lamps．Two secondary windings permit series or parallel operation．Primary 115 or $230 \mathrm{~V} 50-60 \mathrm{~Hz}$ ．


## MINIATURIZED CONTROL／RECTIFIER TRANSFORMERS

Primary $230 \mathrm{~V} ., 50-60 \mathrm{~Hz}$ ．；Secondary 24 V ．CT Except－is 36 V ．GT．

| Stect Mo． | Stan No． | Rms | Full－wave | Bridge | $\begin{aligned} & \text { Mite } \\ & \text { Type } \end{aligned}$ | Size | $\begin{aligned} & \text { Wt. } \\ & \text { Ibs } \end{aligned}$ | Net Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $33 P 44732$ | P－8720 | ． 085 | ．1350C | ． 0650 C | A | 246x11／4x11／4 | 1／4 | 3.38 |
| ${ }^{31} \mathrm{P} 84740$ | P－8722 | ． 400 | ． 5500 C | 270DC | A | 27x11ヶx15\％ | $1 / 2$ | 3.55 |
| 33 P 4757 | P．8728＊ | ． 065 | ． 0750 C | ． 0450 C | A | 21／mx14／4x14／4 | $1 / 4$ | 3.55 2.05 |

## RECTIFIER TRANSFORMERS

Designed to operate in full－wave center－tapped or bridge type circuits．Each transformer has a tapped primary and a lapped additional winding permitting a wide range of output voltages．All are BV mtg． type．Primaries are for $117 \mathrm{~V} 50 / 60 \mathrm{~Hz}$ AC operation．Supplied with wiring chart．

| Stock No． | Stan．No． | Rance of av Volts | Max．D．C． Resistive | Output Lead Capacitive | Size | $w t$ Libs. | $\begin{aligned} & \text { Net } \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P $\mathbf{2 3 0 6}$ | RT－201 | $\begin{aligned} & 11.7 \text { to } 29.4 \\ & 11.1 \text { to } 28.5 \end{aligned}$ | $\begin{aligned} & 11.2 \mathrm{~V} \text { at } 2.0 \mathrm{~A} \\ & 23.0 \mathrm{~V} \text { at } 1.25 \mathrm{~A} \end{aligned}$ | $\begin{aligned} & 13.8 \mathrm{~V} \text { at } 2.0 \mathrm{~A} \\ & 30.0 \mathrm{~V} \text { at } 1.25 \mathrm{~A} \end{aligned}$ | $31 / 8 \times 21 / 6 \times 21 / 2$ | $41 / 2$ | 7.80 |
| 33 P 82322 | RT－204 | $\begin{aligned} & 11.7 \text { to } 29.2 \\ & 11.6 \text { to } 29.2 \\ & \hline \end{aligned}$ | $\begin{aligned} & 12.0 \mathrm{~V} \text { at } 8.0 \mathrm{~A} \\ & 24.0 \mathrm{~V} \text { at } 4.0 \mathrm{~A} \end{aligned}$ | $\begin{aligned} & 14.5 \text { at } 8.0 \mathrm{~A} \\ & 32.4 \mathrm{~V} \text { at } 4.0 \mathrm{~A} \end{aligned}$ | 31／603\％631／8 | 71／2 | 14.60 |

# Transformers-Voltage Regulators 

STANCOR UNIVERSAL OUTPUT TRANSFORMERS
Match single or push pull plates to voice coll. All type Amtg.

| Stock No. | Stan. No. | Primary | Watts | Size, Inch | WI. Lbs. | $\begin{gathered} \text { Net } \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 81258 | A.3822 | 7-10K | 4 |  | $1 / 2$ | 3.50 |
| 33 P 81274 | A3825 | 1.5-4.5K | 8 |  |  | 4.25 |
| 33 P 81282 | A3830 | 3.10 KCT | 20 | $2140 \times 35_{0} \times 21 / 4$ | 2 | 6.10 |
| 33 P 81308 | A3849 | 1.5.10K | 10 | 13/42\%/3011/2 | $3 / 4$ | 4.90 |
| 33 P 81324 | A3852 | 4.14K CT | 18 | 2\%/427/0x2 | 134 | 6.40 |
| 33 P 81332 | A3856 | 4-14K CT | 4 | 136x27\% ${ }^{13}$ | \% | 4.25 |
| 33 P 11340 | A3870 | 4.14 KCT | 18 | 2x34422 | $17 / 4$ | 6.35 |

## STANCOR FIXEO OUTPUT TRANSFORMERS

All are type A mig. except * is C. A3337 is type S mig.

| Stock No. | Stan. No. | Fritery | Secondary | Watts | In Mtg. Centers | Wt. <br> Lhes. | Net <br> Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 81381 | 42313 | 7,000 | 8 | 10 | $2^{13} 16$ | $11 / 4$ | 3.87 |
| 33 P 81407 | A3311* | 10 KCT | 500/16/8/4 | 25 | 21/422 | 31/4 | 10.30 |
| 33 P 81415 | A3327 | 25K | 4 | 5 | 2 | $1 / 2$ | 2.60 |
| 33 P 141423 | A3328 | 4,000 | 3.5 | 3 | 134 | $1 / 2$ | 2.24 |
| 33 P 1431 | A3329 | 8,000 | 3.5 | 3 | 134 | $v_{2}$ | 2.24 |
| 33 P 81449 | A3332 | 2,000 | 3.2 | 3 | 13/4 | 12 | 2.30 |
| 33 P 81456 | A3337 | 5 K | 6.8 | 10 | 23\% | 12/2 | 3.85 |
| 33 P 81472 | A3801* | 6,600 CT | 500/250/15/8/4 | 35 | 21/2×2h。 | 53/4 | 12.34 |
| 33 F 81480 | A3831 | 10k CT | 8/4/2 | 5 | 23\% | 314 | 4.60 |
| 33 F 81498 | A3857 | 25 KCT | 4 | 5 | 2 | 1/2 | 3.52 |
| 33-81506 | A3876 | 2,000 | 4 | 5 | 2 | $1 / 2$. | 2.37 |
| 33 P 81514 | A3877 | 5,000 | 4 | 5 | 2 | $1 / 2$ | 2.31 |
| 33 P 81522 | A3878 | 7,000 | 4 | 5 | 2 | $3 / 2$ | 2.55 |
| 33 P 81530 | A3879 | 10,000 | 4 | 5 | 2 | $1 / 2$ | 2.30 |
| 33F 81548 | A8093 | 10,000 CT | 3.4 | 10 | 23/0 | 34 | 3.05 |

## STANCOR FILTER CHOKES

All rated 1500 V . Ins, except - is 3000 V .2500 V . All type A mlg, except $\ddagger$ are C and $\boldsymbol{A}$ are BH .

| Stock No. | Stam. Me. | Hys. | Ma | Ohms | Size | Wh. Les | Net <br> Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 81597 | C. 1003 | 16.0 | 50 | 580 | $2 \pi 31 / 4 \times 134$ | $11 / 4$ | 3.50 |
| 33 P 81605 | C. 1080 | 3.5 | 50 | 200 | 136 $\times 11 / 2 \times 23 / 6$ | 34 | 2.97 |
| 33 P 81621 | C. 1279 | 8.5 | 50 | 400 | $176 \times 27 / 8 \times 12 / 2$ | 3/4 | 3.38 |
| 33 P 81639 | C. 1325 | 5.0 | 50 | 250 | 150x27/5x12/2 | $1 / 4$ | 2.97 |
| 33 P 81654 | C. $1411^{\circ}$ \% | 4.5 | 200 | 80 | 34.03x34. | 334 | 9.00 |
| 33 P 81696 | C. 1515 | 20 | 15 | 900 | $15 / 6 \times 27 / 8 \times 11 / 2$ | 3 | 3.30 |
| 33 P 81704 | C. 1706 | 4.5 | 50 | 300 | 13,423 ${ }^{3} \times 178$ | 4/2 | 2.42 |
| 33 P 81712 | C. 1707 | 7.0 | 50 | 550 | 175x230x13\% | $4 / 2$ | 3.30 |
| 33 P 81738 | C. 1709 | 8.0 | 85 | 250 | 2x34*2 | $11 / 2$ | 3.42 |
| 33 P 81829 | C. 2325 | 2.0 | 200 | 60 | $21 / 831 / 4 \times 2 \mathrm{~V}$ |  | 3.98 |
| 33 P 81878 | C. 2343 | . 75 | 300 | 32 | 1\%*27/8x $1 / 2$ | $3 / 4$ | 2.50 |
| 33 P 81886 | C-2344 | 1.5 | 10 | 85 |  | 1/2 | 2.50 |
| 33 P 81910 | C. 26854 | . 035 | 2 A | 75 | $23 \times 2 \%$ x $23 / 4$ | 21.4 | 5.75 |

STANCOR LINE TO VOICE COIL TRANSFORMER
All are I type Mtg. except $\$ 25 \mathrm{~V}$ Type, $\ddagger 70.7 \mathrm{~V}$ type $\S$ power steps in watts.

| Stock No. | Stion. He. | Impedance |  | Watts | Mts. Ctrs. | $\begin{aligned} & \text { Wt. } \\ & \text { Lbs. } \end{aligned}$ | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pri | Sec. |  |  |  |  |
| $\begin{array}{l\|l} 33 P & 80060 \\ 33 P & 00086 \end{array}$ | $\begin{aligned} & \text { AB101 } \\ & \text { AB103 } \end{aligned}$ | $\begin{aligned} & 500 \\ & 16 / 8 / 4 / 2 / 1 / 0.5 \S \end{aligned}$ | $\begin{aligned} & 6-8 / 3.2 \\ & 4 / 8 / 16 \end{aligned}$ | $\begin{array}{r} 5 \\ 16 \end{array}$ | $\begin{aligned} & 2 \\ & 2^{\prime} \text { 为 } \end{aligned}$ | , $1 / 2$ | $\begin{aligned} & 2.90^{\circ} \\ & 7.19 \end{aligned}$ |

## CONTROL/RECTIFIER TRANSFORMERS

Automation-type transformers designed for high speed automatic equipment. Primary 115 or $230 \mathrm{~V} .50 \cdot 60 \mathrm{~Hz}$. Two secondary windines for series or parallel use.

| $\begin{aligned} & \text { Stock } \\ & \text { No. } \end{aligned}$ |  | Stineer Me. | Myt | Paralle | tary Serles | $\begin{aligned} & \text { Inches } \\ & \text { sizes } \end{aligned}$ | Mis. ctrs. | $W L$ <br> Les. | Net <br> Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33P | 84765 | P-8615 | 1 | 24V./.5A | 48V./.25A | $23 /{ }^{1} \times 1 \% \times 13 / 4$ | 2\%" | 1 | 5.00 |
| 33 P | 84713 | P-816 | 1 | 24V.11A | 48V. $/ .5 \mathrm{~A}$ | $21 / \times 31 / 8 \times 2$ |  | 112 | 5.80 |
| 33 P | 84741 | P-8617 | J | 24V.12A | 48V. 11.4 | $31 / 4359 \times 24 / 4$ | 34" | $23 / 2$ | 7.20 |
|  | 84799 | P-8618 | BY | 24V.14.A | 48V.12.A | 330x ${ }^{2 / 4} \times 2{ }^{1 / 40}$ | $21 / 4{ }^{\prime \prime}$ | 5 | 12.50 |



- Use Your Electric Razor Anywhere Abroad - Ideal For Foreign Traveling Lightweight Only 7 oz.
Miniature RAZOR-A-DAPTER converts voltages of between 105 and 230 VAC to 110 VAC, to permit safe use of your electric razor anywhere you travel. Two sets of prongs on the device fit directly into European and Continental wall oultets-no external adapters are needed. Your electric razor plugs into the outlet on the boltom of the device. Size;

33 P 88139
WORLD-WIDE HEAT-A-DAPTER

- Fits All European and Continental Wall Outlets Ideal for Foreign Travel - Lightweight - Only 60 z. For Electric Iron, Cottee Pot, Toaster, etc.
Thyristor solid-state voltage and outlet adapter for American heating appliances operated abroad. Device fits directly into foreign wall outlets of $110-240 \mathrm{VAC}$. Appllance plugs into bottom of HEAT-A-DAPIER. 1000 watts. Size: $4 \mathrm{H} \times 32 \mathrm{yW} \times 17 \mathrm{a}^{\circ} \mathrm{D}$. Shpg. wt., 8 ot . 33 P 88147 ................................Net 9.95 Same as above, but 1500 walts. Wt., 802 . 33 P 88154
AUTOMATIC TV
VOLTAGE
REGULATOR

- Compensates for Low

Line Voltage
Model $0-400$. 400 -watt solid-state atomatic voltage regulator. For color or black and white TV. Returns full height and width of TV picture affected by low line voltage. 8oosts 10 volls automatically when line is below 110 volts. Increases set sensitivify. Reduces low line hatards. Simple plug-in installation. Turns on and off with the TV set. Wt. 4 los.


STEP OOWN AUTO TRANSFORMERS
230 to 115 V . All suppled with $6^{\circ}$ Heary duty line cord and built In receptacle.

| Stock No. | Fris | Wattege | Primary | Secondary | Wh. Ins. | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 -88097 | A | 20 | 230 V | 115 V | 14/4 | 6.13 |
| 33 P 88105 | A | 40 | 230 V | 115 V |  | 8.67 |
| 33 P 88113 | A | 60 | 230 V | 115 V | 21/4 | 8.13 |
| 33 -88121 | A | 80 | 230 V | 115 V | 1\%. | 9.06 |
| 33 P 88014 | 8 | 100 | 230 V | 115 V | 3 | 8.27 |
| 33 P 88022 | 8 | 150 | 230 V | 115 V | $41 / 4$ | 9.92 |
| 33 P 88030 | 8 | 250 | 230 V | 115 V | 64/4 | 12.52 |
| 33 P 88048 | 8 | 350 | 230 V | 115 V | 71/4 | 14.34 |
| 33 P 88055 | B | 500 | 230 V | 115 V | 104/ | 17.73 |
| 33 P 88063 | B | 750 | 230 V | 115 V | 131/4 | 22.35 |
| 33 P 88071 w | B | 1000 | 230 V | 115 V | 161/2 | 29.34 |
| 33 P 880596 | B | 1500 | 230 V | 115 V | $217 / 3$ | 32.81 |

## TERADO 1000 WATTS CONVERTER


$24^{50}$

- Change 220 Voll AC To 110 Volt AC - Ideal for Traveler duty power converter, designed for the traveler of permanent resident. This device changes toreign power to USA power, 220 Volis AC is converted to 110 Volts AC. The output is a true sine wave, single phase, and therefore can power any electrical device of up to 1000 watts, including refrigerators and television sets. Comes complete with 3 plugs for all European outlets. Size: $31 / 2 \times 31 / 2 \times 6^{\prime \prime}$. Shpg. wi., $81 / 2$ its. 11 P63302 Transistor Transformers

- Nickel-Steel Laminations
- Mylar Outer Wrap
- Wound on Nylon Bobbins
- Color Coded Leads

Efficiently designed to meet the needs of miniaturization and engineered to provide excellent power handing capacity and frequency response with minimum distortion. All are nickel-steel laminations. Applicatiofis under "TYPE" shows typleal use. UBC is unbalanced current. Many units may be used for other apolications as well. Average net weight $11 / 4$ oz.: average shpg. wt., 4 OZ. MADE IN U.S.A.


## Singly EACH

$2^{98}$ Cor 10 Assorted 2.75 Lots of 25 Assorted 2.50 Lots of 50 Assorted 2.35 Lots of 100 Assorted 2.20 WRITE FOR PRICES ON Larger quantities
Applies to all units or this pare except 11 P63286 and 99 P60287.

## TERADO VARIABLE VOLTAGE ADJUSTER <br> - 300 to 500 Watts <br> - Has Accurate <br> AC Voltmeter <br> - Changes High or Low AC Line to Normal <br> -6-Position Switch

The Salurn Voltage Adjuster gives TV Iffelike color and improves elarity and brighthess by correcting low or high AC line voltages to normal. Wifl supply 300 -watts continuous; 500 -walts Intermittent. Can be installed on television seis in reconds, and the easy-toread highty accurate edgeview voltmeter and 6 -posttion switth allow the viewer fingertip control of AC line voltage resulting in a clearer, sharper, and fuller pieture. It turns "on" and "off" atutomatically with the equipment. Can also be used with Mi-FI, CB, Ham, efc. equipment. Shpg. wt., 4 tos. If P63286 ..............................Net i8.77

LAFAYETTE 500-WATT VARIABLE VOLTAGE CONTROL - Input- 115 volts

- Output- 0 o o 130
Volts-fused
 - Linear Output from "No-Load" to "Full. Load" - Excellent Reguiation-Smooth Control Precision, foroidal-wound core dellvers full, rated output from 0 to 130 volts. Voltage variation is negligible from "no-load" to "full-load". Continuous, smooth, well regu. lated from zero to above input line voltage Sultable for many industrial and laboratory applications, elass room demonstrations. light dimmings, motor conirol, model railroading and oiher hobby fields. Measures $51 / 2 \times 51 / 2^{\prime \prime}$ overall. With 2 -cond. outlet flused at 5 amps.) on-off switeh and 6-ft. 2.cond. cord, tabs for bench or wall mounting. Shgg. wt., $81 / 4$ lbs. Imported.
99 P 6028 $\qquad$ Net 17.75
Replacement 5 A fuse for above, (Pkg. 5 fuses) 13 P 10184


# Transformers-Rectifiers 

## POWER/ISOLATION TRANSFORMER

- Ideal For Amplifiers, Intercoms and Receivers


Here is a versatile power transtormer that is ideal for experimenters, hobbyists and constructors. Pilimary 117 volts and secondary 105 volts no-10ad- 82 volts with 150 ma fllament load. Literally hundreds of uses for this versatile unlt. Minimizes the danger of shock by isolating circuits from the power line, Size: $21 / 4 \times 2 \times 142^{\prime \prime}$. Shpg. Wt., $1 \mathrm{~N} / \mathrm{l}$ lbs. 33 P 75029


UNIVERSAL POWER TRANSISTOR OUTPUT TRANSFORMER

Designed For The Experimenter

- Pri. Tapped At 8-12-16-24-32 And 48 ohms
- Rated 10 Watts

Engineered for construction projects using the increasingly popular power transistors. Will also serve as a general replacement for many transistorized auto radios. Rated at 10 watts for push pull operation. Primary tapped at $8,12,16,24,32$ and 48 ohms. secondary tapped at 4,8 and 16 ohms. sizes: $3 \mathrm{~K}_{6} \times 24 / 4 \times 2 \%{ }^{\circ}$. Shps. wt., $23 / 4 \mathrm{lbs}$. 33 P 75011 Type TR 94 Net 4.59

fis
LINE-TO-VOICE COIL TRANSFORMERS 25 VOLT, 16 WATT LINE-TO-VOICE COIL

25 -volt line to voice coll matching transform. er. Primary tapped $39,78,156,312,625$, 1250 ohms. Secondary tapped $4,8,16$ ohms. Power tapped 16, 8. 4, 2, 1, 0.5 watts. Pri. mary OC resistance 60 ohms. Secondary OC resistance 1.1 ohms size: $23 / 4 \mathrm{H}=31 / 5 \mathrm{~W} \times$ $21 / 4$ "D. Mounting Dimension $21 \%$ 。"W. Shps.

## wt., $11 / 2 \mathrm{lbs}$ <br> $33^{\prime}$ P 84823

$\qquad$ ...Net 6.64

### 70.7 VOLT, 10 WATT LINE-TO-VOICE COIL

70 volt line-to-voice coll matching transformer. Primary tapped $10,5,2.5,1.25$ and .625 watts. Secondary tapped 5,8 and 16 ohms. Size: $2 \times 112^{2}$. Mig. Centers $23, \mathrm{~m}^{\prime \prime}$. Imported. Shpg. wt., 㓡 lb.
99 P 62846
Net 2.29
Lots of 3 Ea., 2.17, Lots of 6 Ea., 1.72
POWER TRANSFORMER for SELENIUM RECTIFIER CIRCUITS


Most popular replacement power transformer for circuits using selenlum rectifiers or rectifler tubes such as $6 A \times 5,6 \times 4,6 \times 5$. Primary is 117 V 60 Hz A.C. Plate supply is $125 \mathrm{VaC} 1 / 2$ wave at 15 ma with 6.3 V 0.6 amp
 centers $2^{\prime \prime}$. Shpr. wt.i $3 / 8 \mathrm{lb}$.
33 P 34059


## SUBMINIATURE TRANSISTOR AUDIO TRANSFORMERS

ONLY $1 / 2^{\prime \prime} \times 1 / 2^{\prime \prime} \times 1 / 2^{\prime \prime}$
A new series of miniature transformers for transistor and experimental miniature circults, Ideal for miniature radio receivers, amplifiers, hearing alds, etc. using standard transistors. Incorporate special heat-treated high permeabilly magnetic cores treated to resist corrosion. Designed for Improved frequency response with low distortion. $3^{\prime \prime}$ color-coded leads. Average shpg. wt., 2 oz. Imported

| Stock No. | Type | Circuit | Impedance <br> Pri. Onms | Sec. Ohms | D.C. Resistance Pri Ohms | Sec. Ohms | Not |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 P61251 | TR 97 | INPUT | 100,000 | 1000 | 1000 | 1000 | . 99 |
| 99 P61289 | TR 98 | ORIVER | 10,000 | 2000 C.T. | 240 | 60 C.T. | . 99 |
| 99 P 60345 | TR 120 | INPUT | 200,000 | 1000 | 1400 | 50.5 | . 99 |
| 99 P 61293 | TR 116 | OUTPUT | $500 \mathrm{C} . \mathrm{T}$. | 8 | 50 C.T. | 1.7 | . 99 |

## UNIVERSAL POWER TRANSISTOR OUTPUT TRANSFORMER



- Designed for High Output Transistors - Used In Auto Radios PA Systems - in. tercoms - Etc.


## 6 WATT OUTPUT TRANSFORMER

Rated 6 watts. Frequency response 70 to $20,000 \mathrm{~Hz} \pm 2 \mathrm{db}$. Primary Impedance 48 ohms center tapped. Secondary, 3.2 ohms; Primary $D C$ resistance 1.1 ohms, secondary 0.3 ohms. Unbalanced primary current 500



## INPUT TRANSFORMER

65

Rated 2 watts. Frequency response 70 to $20,000 \mathrm{~Hz} \pm 2 \mathrm{db}$. Primary impedance 100 ohms. Secondary impedance 200 ohms CT, Primary DC resistance 1.8 ohms, secondary 2.7 ohms. Unbalanced primary current. 200 ma DC. sive: 1 Ks $\times 17 / \mathrm{ex1} \mathrm{\%} \mathrm{~s}^{\circ}$. Wt., 7 oz . 33 P 85796

Net 1.65

## 24-VOLT FILAMENT TRANSFORMER



Primary 117-Volt, secondary 24 Volts at 1 amp. Mounting centers $2 \mathrm{~V}^{\prime \prime}$. Size $21 / 6 x$ $17 \mathrm{ml} \mathrm{sh}^{\prime \prime}$. Imported. Shipping wt., $14 / 2$ lbs. 99 P 62683 ...................................Net 2.39

## HIGH DENSITY SELENIUM RECTIFIERS

Replacements for radios, IV sets. Hi-FI etc. 130 VAC Input; 380 max. Deak inverse volts. All have solder lugs. Avg. shpg. wi., 4 Oz.

| Stock No. | Ma | Net <br> Each |
| :--- | ---: | ---: |
| 33 P 45378 | 0.75 | .70 |
| 33 P 45386 | $75-150$ | .88 |
| 33 P 45394 | $150-300$ | $\mathbf{1 . 1 2}$ |
| $33 P 45410$ | 400.500 | 1.40 |
| 33 P 45345 | 750 | 2.28 |



TRANSISTOR OUTPUT
TRANSFORMER

Onty 56x 7/axlKo". 2000 ohm primary to 10 ohm vaice coil. Matches most transistor outputs. Shpr. Wt., 3 oz. imported. 99 P 61012
.Net .86

## MODULATION \& AUDIO OUTPUT TRANSFORMER

Subminiature $7 / 4 x^{5} / 6 x^{5} / 4{ }^{2}$ "H. Cen. ter-tapped primary: 2 secondary windings. Impedance: primary500 ohms C. T. secondary - 8 ohms and 3 K ohms. With schematic. Imported. Sheg, wt., 3 oz. 99 P61327

## OUTPUT TRANSFORMER



Fl. 1


FIE. 8

## SOL6 OUTPUT

Fig. 8. Matches 5016, 3516. 2516, etc. to 3.4 ohm voice coil. Size: $11 / 2 \times 11 / 4 \times 114^{\prime \prime}$ with $11 / 4$ " mounting ctr. Shpg. wt., 502.
33 P 37011
UNIVERSAL OUTPUTS
Fig. A. Match any single or push-pull output tubes to any voice coil. Shpg. wt., $3 / 4 \mathrm{lb}$. 33 P 75037 4.Watt ........Net ea, 2.54 33 P 75045 8-Watt …..........Net ea, 3.06


Primary 115 Vac. Secondary 6.3V. at 1 amp. Size: $17 / 4 \times 14 / 2 \times 142^{\prime \prime}$ with $21 / /^{\prime \prime}$ mounting ctg. Shps. wt. it lb.
Shpg. wt.
37029
Net ea. 1.39
SARKES TARZIAN
(a)

## SILICON

## RECTIFIERS

Shpr. wt., 2 oz. Mar May. Input Net stock No. FIE. Type DC PIV VAC EA. | 33 P 59098 | A | $F-4$ | 1 | amp. | 400 | 130 | .56 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 33 P 59106 | A | $F .6$ | 1 amp. 600 | 195 | .60 |  |  | $\begin{array}{lllllllll}33 \text { P } 59106 \text { A F. } 6 & 1 & \text { amp. } 600 & 195 & .60 \\ 33 \text { P } 59056 & \text { B M. } 500 & 1 & \text { amp. } 400 & 130 & .96\end{array}$

# Sockets, Connectors, Test Adapters 



Beauchaine Series 3300 plugs and sockets are reliable, versatile connectors for chas sis or cable use. The cable type have scuff-resistant, insulated backshells made of polypropylene plastic. (UL \& CSA Iisted). Supplied complete with cable clamps. The recessed types have black wrinkle paint

PLUG WITH CLAMP (FIG. A

| Stock No. | Mfr. No. | No. of Contacts |  | $\begin{gathered} \text { Each } \\ 25-49 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| 34 P 20015 | P-3302 | T 2 | . 65 | . 516 |
| 34 P 20023 | P-3303 | CT 3 | . 68 | . 546 |
| 34 P 20031 | P-3304 | CT 4 | . 70 | . 558 |
| 34 P 20049 | P-3306 | CT | . 78 | . 624 |
| 34 P 20056 | P-3308 | CT 8 | . 83 | . 666 |
| 34 P 20064 | P-3310 | 110 | . 94 | . 75 |
| 34 P 20072 | P-3312 | 12 | 1.03 | . 822 |
| 34 P 20080 | P-3315 | T 15 | 1.35 | 1.08 |
| 34 P 20098 | P-3318 | 18 | 1.59 | 1.272 |
| ANGLE BRACKET PLUGS (FIG. C) |  |  |  |  |


| Stock Mo. | Mfr. Mo. | No. of Contact | $\begin{gathered} \text { Net } \\ \mathbf{N}_{1.24} \\ \hline \end{gathered}$ | $\begin{array}{r} \text { Each } \\ 25-49 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: |
| 34 P 20312 | P-3302-AB | B | . 29 | . 234 |
| 34 P 20320 | P-3303-AB | - | . 35 | . 276 |
| 34 P 20338 | P-3304-AB | - | . 35 | 282 |
| 34 P 20346 | P-3306-AB | 6 | . 44 | . 348 |
| 34 P 20353 | P-3308-AB | 8 | . 51 | . 408 |
| 34 P 20361 | P.3310-AB | 10 | . 58 | . 462 |
| 34 P 20379 | P-3312-AB | 12 | . 65 | . 522 |
| 34 P 20387 | P. 3315 -AB | 15 | . 91 | . 726 |
| 34 P 20395 | P-3318-AB | 18 | 1.10 | . 882 |


| Stock Ne. | Mfg. No. | No. of Net Contacts 1.24 | $\underset{25-49}{\text { Each }}$ |
| :---: | :---: | :---: | :---: |
| 34 P 20619 | P.3302-DB | B 2.72 | . 576 |
| 34 P 20627 | P-3303.0B | $\begin{array}{lll}3 & 3 & 74\end{array}$ | 588 |
| 34 P 20635 | P-3304-DB | $3 \quad 4.75$ | . 60 |
| 34 P 20643 | P-3306.0B | 36.84 | . 672 |
| 34 P 20650 | P-3308-0B | - $8 \quad .91$ | . 726 |
| 34 P 20676 | P-3312-DB | $12 \quad 1.10$ | . 882 |
| 34 P 20684 | P-3315-0B |  15 1.34 | 1.074 |
| 34 P 20692 | P-3318-0B | 3181.61 | 1.29 |

POMONA TEST ADAPTERS


Ideal for in-circuit checking of voltage, re sistance, audio and video from above chassis $\dagger$ for use in sockets having captlive shitelds Shpg. wt., 3 oz.

| Stock No. | Type | Pins | Description | E |
| :---: | :---: | :---: | :---: | :---: |
| 33 P 57019 | TVS. 7 | 7 | Miniature | 1.85 |
| 33 P 57027 | TVS-8 | 8 | Octal | 2.15 |
| 33 P 57035 | TVS-9 | 9 | Miniature | 1.95 |
| 33 P 57076 | 1779 | 9 | Novar | 2.25 |
| 33 P 57118 | 2497 | 9 | Magnoval | 2.75 |
| 33 P 57126 | 2510 | 10 | Oecal | 2.55 |
| 33 P 57084 | 1710 | 10 | Miniature | 2.95 |
| 33 P 57043 | TVS. 12 | 12 | Compactron | 2.55 |
| 33 P 57050 | 1447 | 17 | Miniature | 1.95 |
| 33 P 57068 | 1449 | 19 | Miniature | 2.15 |

## HORIZONAL OUTPUT COLOR

## IEST ADAPTERS

For 6JE6, 6KM6. Test adapter with No, 3 Pin interrupted allows you to measure and ad just the cathode current of output tubes without removing chassis. Shpg. wt., 3 oz. 33 P 57092

Net 3.75 For 6JS6, 6 JM 6 , similar to unit above, but with number 2 pin interrupted. Wt. 3 oz. 33 P 57100

over plated steel shell. All hardware is electroplated. Female contacts are cadmium plated phosphor bronze. Male contacts are cadmium plated brass. Contacts rated volt. age $750 \vee$ RMS and a current capacity of 10 amp . Average shpg. wt., 4 oz.

SOCKET WITH CLAMP (FIG. B)

| Stock Na . | Mte. No. C | No. of Contact | $\begin{array}{ll} 1 & \text { Net } \\ \text { ts } 1-24 \\ \hline \end{array}$ | $\begin{aligned} & \text { Each } \\ & 25.49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 34 P 20163 | S-3302-CCT | $T$ | 67 | 534 |
| 34 P 20171 | S-3303 | T 3 | . 69 | . 552 |
| 34 P 20189 | S-3304-CCT | T | 71 | . 564 |
| 34 P 20197 | S-3306-CCT | 1 | . 80 | . 642 |
| 34 P 20205 | S-3308-CCT | T 8 | 94 | . 75 |
| 34 P 20213 | S-3310-CCT | T 10 | -1.04 | . 82 |
| 34 P 20221 | S-3312-CCT | T 12 | 1.19 | . 954 |
| 34 P 20239 | S-3315-CCT | T 15 | 1.49 | 194 |
|  |  |  |  |  |

ANGIE BRACKET SOCXETS (FIG. D)

| Stock No. Mfg. No.No. of Net Eash <br> Contacts <br> 1.24 <br> 25.49 |
| :--- | :--- |


| 34 | P 20460 | $S-3302-A B$ | 2 | .32 | .252 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 34 | 20478 | S. $3303-A B$ | 3 | .36 | .288 |

34 P 20486 S-3304-AB $\quad 4 \quad .37 \quad .294$
34 P 20494 S-3306.AB $\quad 6 \quad .47 \quad .372$
$\begin{array}{llllll}34 & P 20502 & S & S 3008+A B & 8 & .58 \\ 34 & .462\end{array}$
$\begin{array}{llllrr}34 & 20510 & \$-3310-A B & 10 & .69 & .552 \\ 34 & 20528 & \$-3312-A B & 12 & .80 & .642\end{array}$
$\begin{array}{llllll}34 & P & 20536 & S-3315-A B & 15 & 1.04 \\ 34 & \text { P } 20544 & S-3318-A B & 18 & 1.24 & .99\end{array}$
DEEP BRACKET SOCKETS (FIG. П)
No. of Net Each Stock No. Mfe. No. Contacts $\mathbf{1 - 2 4} \mathbf{2 5 - 4 9}$

| 34 | P 20767 | S-3302.0B | 2 | 72 | 576 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 | P 20775 | S-3303-0B |  | . 78 | . 624 |
| 34 | P 20783 | S-3304-0B | 4 | . 80 | . 636 |
| 34 | P 20791 | S-3306-DB | 6 | . 89 | . 714 |
| 4 | P 20809 | S-3308-DB | 8 | 1.01 | . 804 |
| 4 | P 20825 | S-3312-DB | 12 | 1.27 | 1.014 |
| 34 | P 20833 | S-3315-0B | 15 | 1.51 | 1.206 |
| 34 | P 20841 | S-3318-DB | 18 | 1.76 | 1.41 |

## COMPACTRON SOCKET



Mica filled 12 pin tube saddle type socket with four ground lugs. Shpg. wt., 2 or. 33 R 87016 Net . 3 ...........

## NOYAR SOCKET

Nine Pin (Novar) Socket with bottom mount saddle plate Shpg. wt., 2 oz.
33 R 87255 .. Netea. 20


TV PICTURE TUBE SOCKETS
MOLDEO: New all molded duo-decal socket for std. CRT's. Complete with back plate, contacts, hardware. Less leads.
18 P 27138 Shpg. wt., $4 \mathrm{oz}, \ldots$ Net . 33 Same as above wired for electrostatic and magnetic tubes.
18 P 27153 Shpg. wt., $402 . .$. Net 1.05 $110^{\circ}$ SYLVANIA CRT SOCKET. Wired for easy replacement with 18 inch leads.
18 P 27161 Shpg. wt., 5 oz . Net .99 $110^{\circ}$ RCA CRT SOCKET. Whed for easy re placement, with 18 Inch leads.
18 P 27179 Shpg. wt., 5 02.... Net . 75 Color CRT socket, for $70^{\circ}$ color tubes, wired with $18^{\prime \prime}$ leads. Shpg. wt., 7 oz.
18 P 27203
Net 2.25
Color CRT socket for $90^{\circ}$ color tubes will accept eft her RCA or Motorola tubes. Wired with $18^{\prime \prime}$ leads. Shpg. wt., 902.
18 P 27195
Net 2.05

SET OF 10 TRANSISTOR SOCKETS


A set of ten universal transistor sockets at a low Lafayette price. Ideal for experimenters, hobbyists and kit builders. For 3-pin transistors in-line or 4-pin types. Size: 3y 1/4". Shps. wt., 2 oz

## 99 P 6261

## TRANSISTOR SOCXETS

Minlature transistor sockets of low toss mica filled phenolic. Contacts are of Beryllium copper, gold flashed over shiver plate.


LOW LOSS TRANSISTOR SOCKETS


Transistor sockets with mounting ears for top mounting. shpg, wt., 2 oz . 3 Pin
33 R 87271 ........Net 60 4 Pin
33 R 87289 .......Net . 60
INTEGRATED CIRCUIT SOCXETS

For 14 and 16 pin in-line hybrid packages having $.100^{\prime \prime} \times .300^{\prime \prime}$ grid spacing. For round or flat pins. Phenofic body. 8rass electro. plated contacts. Shpg. wt., 2 oz.

| Stock Wo. | Pins | Body. | Net |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :---: | :---: |
| 32 P 65162 | 14 | P.C. | .50 |  |  |  |
| 32 P 65170 | 16 | P.C. | .50 |  |  |  |
|  |  |  |  |  |  |  |
|  |  | NUVISTOR SOCKETS |  |  |  |  |

5 and 7 pin sockets for nuvis.
tor tubes. *are general purpose bakelite. f is mica.fill. ed bakellite. Shpg. wi., 2 oz.

## 33 P 87198 33 P 87206 $\frac{\mathrm{Pin}}{7} \mathrm{Pin}$

Neter. 27

## PRINTED CIRCUIT SOCKETS



MOLOED TYPE (A). All molded printed cir: cult socket. With mounting tabs for in. dividual hole insertion.
33 P 871647 Pin
Net .18
33 P 871729 Pin Net .20 TOP MOUNTING TYPE (8). Molded with tabs for top board mounting.

| 33 P 87123 7 Pin | Net .20 |
| :---: | :---: |
| 33 P 87131 9 Pin | Net .24 |
| 33 P 87149 octal | Net . 48 |

## TEST POINT ADAPTERS



FOR BLACK \& WHITE TV TESt
socket adapter for black and white CRT's. Permits In-circuit checks from readily accessible lugs
$110^{\circ}$ test adapter for 8 pin TV picture tubes.
33 P 57134 Shpg. wt., 3 oz. .. Net 2.95 $110^{\circ}$ test adapter for 7 pin TV picture tubes.
33 P 57142 Shpg. wt., 3 oz. .... Net 2.95

# ROBINS Sockets and Connectors 

## XLP CANNON AUDIO AND ELECTRONIC CONNECTORS



PANEL ANO WALL MOUNT RECEPTACLES
Dependable ruaged construction. Features push-action latch-Lock for locking mated ilttings together securely. Interchangeable and mates with Cannan XLR Connectors. Connectors have zinc alloy shell, phenolic insulator, and satin nickel finish. Avg. Shpg. wt., 502.

|  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
|  | STRAIGHT CORO PLUGS AND SOCKETS |  |  |  |



## AMPHENOL RELAY SOCKETS

 OCTAL TYPE Rugged. melamine sockets with high insulation barriers with long creepage paths. Rated 5 amp. 1250 V RMS. *Has 4 molded-in threaded inserts for tie points. 103-104 are top mounted, 203 is bottom mounted. Shpg. wt., 402.|  |  | Met Each |
| :--- | :--- | :--- |
| Stoct No. | Mit. Type | 1.49 |
| 32 F 19045 | $146-103$ | 1.64 |
| 32 F 19912 | $146-104$ | 2.04 |
| 32 F 19920 | 146.203 | 1.64 |

## AMPHENOL OCTAL SAOOLE SOCKET

No. 168-015. Steel mounting plate molded in black bakelite. Uses 1" mounting hote with 1Ko" centers. Shpg. wt., 3 oz.
32 P 20951

## AMPHENOL "FLOATING" <br> SOCKET

Type 77.miPafk, Octal Socket with live rubber grommets fit into mig. holes for vibra-tion-iree operation. Mounis above or below chassis in $11_{4}^{\prime \prime}$ dia. hales on $11 / 2^{\prime \prime}$ centers. with hardware. Shpg. wL, $30 z$ 32 P 19029

Netea. 32


AMPHENOL COAXIAL CONNECTORS


Series 83 UNF coaxial connectors for all RF applications. All connectors single contact except - are dual. Connectors mate by sh-24 thrd. couplings. Avg. shpg. wt., 302.

| Stock No. | $\begin{aligned} & \text { Mig. } \\ & \text { No. } \end{aligned}$ | Fig. | Military Number | Description | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 ¢ 19961 | 83-1AP | A | UG-646/U.M-359, 49192 | Adapter, Right Angle | 1.77 |
| 32-19987 | 83.1F | C | UG.363/U.PL-274, 491049 | Adapter, Bulkhead | 2.87 |
| 32 P 19995 | 83.1 H | 8 | UG-106U.M $=360,49193$ | Hood | . 54 |
| 32 P 20019 | 83. 1 HP | 8 | UG-372/U | Hood | 58 |
| 32 P 20027 | 83-1 | C | PL-258, 49191 | Adapter, Stralght | 1.21 |
| 32 P 20035 | 83-1R | 0 | S0-239, 49194 | Receptacle | $5{ }^{\text {S }}$ |
| 32 P 20043 | $83.15 P$ | E | PL-259, 49190 | Plug | . 61 |
| 32 P 20050 | 83.15 PN | E | PL-259A, 49195 | Plug (Mica-filled gake) | 1.19 |
| 32 P 20068 | 83.17 | F | M-358, 49199 | Adapter, Tee | 3.18 |
| 32 P 20076 | 83-2R |  | UG1057 | Receptacle* | 4.50 |
| 32 P 20084 | 83-21 SP | E | UG-358/U | Plug | 4.32 4.17 |
| 32 P 20100 | 83-22F |  | PL-275 | Adapter, Strt. Bulk* | 4.17 |
| 32 P 20126 | 83-22R |  | UG.103/U.S0-264 | Receptacle ${ }^{\text {a }}$ A | 1.39 |
| 32 P 20159 | 83.58 | A | M-359A, 49192A | Adapter, Right Angle | 2.41 |
| 32 P 20167 | 83-168 |  | UG-176/U | Adapter, Reducing | 19 |
| 32 P 20175 | 83-185 |  | UG-175/U | Adapter, Reducing | . 112 |
| 32 P 20183 | 83.750 | E | UG-111/U | Plug (Tefion) | 1.12 |
| 32 P 20191 | 83-756 | E | PL-259A. 49195 | Plug (iefion) | 1.73 |
| 32 P 20217 | 83.776 | E | UG-203/U, 49482 | Plug | 1.76 |
| 32 P 20225 | 83-786 | 8 |  | Hood and Gang Nut | 1.47 |
| 32 P 20233 | 83-798 | 0 | S0-239A | Receptacle | 1.47 |
| 32 P 20241 | 83.821 | E |  | Plug* (Teflon) | 1.42 87 |
| 32 P 20258 | 83-822 | E | Pl-259 | Plug (Teflon) | B) |

AMPHENOL TYPE BNC CONNECTORS

BNC SERIES. Compact "Quick-Connect-Dis connect" single contact bayonet type lock ing connectors. All are low voltage and weatherproof. "Rerollte Inserts tieflon inserts.

Receptacle springs are made of beryllium copper. All other metallic parts are silver plated brass. Shpg. wt., 2 oz.
Stock No. Mig. No. Fig. Mil. No. Descrigtion Fop Rt Cable Net Each
32 P 21181 31.003 A UG-290/U "Receptact
 32 P 21161 31.003 A UG-290/U Receplacle 32 F 21199 31.203 A UG290A/U tReceplacle 32 P $21207 \quad 5575$ B UG625 -Receptacle 32 P 21215 31-236 B UG625日/U tReceptacle 32 P 21223 31-102 B UG657/U $\quad$ Receptacle $32 P 21231$ 31-221 B UG1094/U TReceptacle 32 P $21249 \quad 31.002$ C UG88/U 32 P $2125631.202 \quad$ C UG88C/U 32 P 21264 31.3202 C UG88E/U PPlug $\quad 55 \mathrm{BU}, 58 \mathrm{CU}, 223 \quad 1.06$

[^17]AMPHENOL
SOCKETS
Molded high dielectric black phenolic, with molded-in plate for $11 / 2^{\prime \prime}$ mounting centers. T type is mica-fliled. 1K" mounting hole except " $11 \%^{\prime \prime}$ mtg. hole. $1 \mathrm{~K}^{*}$ " mts. ctrs. $\dagger 1 \mathrm{Kn}_{\mathrm{c}}$ mig. hole, $\dagger$ loctal socket. Avg. shpg. wt., 3 oz .

| Stock No. | Mfg. Mo. | Prongs | Net <br> Each |
| :---: | :---: | :---: | :---: |
| 32 P 20415 | $77 . \mathrm{MIP} .4$ | 4 | 24 |
| 32 P 20423 | 77-MIP-5 | 5 | 27 |
| 32 P 20431 | 77-MIP-6 | 6 | 29 |
| 12 P 20456 | 77.MIP-7S | 75 | . 31 |
| 32 P 20464 | 77.MIP. 8 | 8 | 26 |
| 32 P 20472 | 77. M1P-8T | 8 | . 28 |
| 32 P 20480 | 88.8* | 8 | 29 |
| 32 P 20498 | 88-8x ${ }^{-1}$ | 8 | 44 |
| 32 P 20506 | 77-M\|P-9 | 9 | 10 |
| 32 P 19052 | 77-MIP-11 | 11 | 31 |
| 32 P 20522 | 77-M\|P-12 | 12 | . 36 |
| 32 P 20530 | 77-MIP-20 | 20 | 70 | AMPHENOL MIN. 7 \& 9 PIN SOCKETS



Amphenol sockets for TV, FM, auto radios, etc. 147 -series mounts on $56^{\circ "}$ chassis hole with $7 / 8^{\prime \prime} \mathrm{mtg}$. ctrs., $1 / \mathrm{B}^{\prime \prime}$ screw holes. 59. series mounts in $3 / /^{\prime \prime}$ hole with $14 / \mathrm{s}^{\prime \prime} \mathrm{mtg}$ ctrs. $095^{\prime \prime}$ rivet holes. $\mathbf{1 2 5 \prime \prime}$ rivet hole. \& Biack Bakelite. $\|$ mica-fliled bakellte. Avg., 302.

BOTTOM MOUNTING TYPE-FIG. (A)

| Stock No. | Mig. No. | No. of Cont. | Net Ea. |
| :---: | :---: | :---: | :---: |
| 32P 20707 | 147.500 | 7 | . 38 |
| 32 P 20795 | 147-505 | 7 | . 39 |
| 32 P 20803 | 59-409 ${ }^{\text {\% }}$ | 9 | . 44 |
| 32 P 20811 | 59-410 ${ }^{\text {¢ }}$ | 9 | 1.03 |

TOP MOUNTING TYPE-FIG. (B)
Socket with tube shield base to fit shields Ilsted below.

| 32 P 20829 | $147-905 \ddagger$ | 7 | .46 |
| :--- | :--- | :--- | :--- |
| 32 P 20837 | $147-913 \dagger$ | 7 | .46 |
| 32 P 20845 | $59-403 \uparrow$ | 9 | .72 |
| 32 P 20852 | $59-407$ | 9 | .51 |
| 32 P 20860 | $59-406$ | 9 | .53 |

TUBE SHIELOS-FIG. (C)
For 7 -Contact Bases.

| 32 P 20878 | 5.401 | 136" | 21 |
| :---: | :---: | :---: | :---: |
| 32 P 20886 | 5.402 | 17/4" | 22 |
| For 9-Contact Bases. |  |  |  |
| 32 P 20898 | 5.405 | 12** | . 21 |
| 32 P 20902 | 5.408 | 11\%** | . 25 |
| 32 F 20910 | 5-409 | 21/8 | . 31 |

# Amphenol Microphone and Audio Connectors 



Polished chrome plated brass fittings with $98{ }^{\circ \prime *}-27$ thread. wi., 302. Stock


## SERIES 8O. SINGLE AND DOUBLE CONTACT TYPES

For concentric lines, shielded mike cables, etc. Center contacts are pin and socket type. ESIngle-contact lype. tDouble-contact type. Av. shpg. wt, 302.

| Stoch No. | Type | Fig. | Description | Net Ea. |
| :---: | :---: | :---: | :---: | :---: |
| 32 P 19169 | -80C | H | Female chassis receptacie | . 60 |
| 32 P 19177 | *80M | 1 | Male cable plug | . 76 |
| 32 P 19185 | +80-MC2F | 6 | Female cable jach | . 85 |
| 32 P 19193 | 480.PC2F | H | Female chassis receptacle | . 68 |
| 32 P 19201 | \$80.MC2M | 1 | Male cable plug | . 60 |
| 32 P 19219 | -80.F1 | 1 | Female cable plug | . 78 |
| 32 P 19227 | -80. M1 | 6 | Male cable jack | . 76 |
| 32 P 19235 | -80-Cl | H | Male receptacle | . 61 |
| 32 P 19243 | $\dagger 80-\mathrm{MC2F1}$ | 1 | Female cable plug | . 85 |
| 32 P 19250 | [80.MC2M] | G | Male cable jack | . 80 |
| 32 P 19268 | \$80-PC2M | H | Male receptacle | . 66 |

75 -CCC1-Cap and chain, used for 75 and 80 serles seals open Chassis against dirt and dust. Shpg. wt. 302. 2 P79276
$1-49 \mathrm{ea}$
MINIATURE PLUGS AND SOCKETS


Usable with 91-MPMr 91-MPF and 78-PCG minlature connectors. Supplied with push-on retainer rings. Need s/8" hole. Av. T Type is MICA filled. Shpg. wt., 3 oz .

| Stoch No. | Socket Type | No. Contacts | Net Es. |
| :---: | :---: | :---: | :---: |
| 32 P 19631 | 78-S3S | 3 | . 15 |
| 32 P 19649 | 78-S4S | 4 | . 22 |
| 32 P 19656 | 78-55S | 5 | . 23 |
| 32 P 19664 | 78-56S | 6 | 24 |
|  | $\begin{aligned} & \text { Plug } \\ & \text { Type } \end{aligned}$ | No. Contacts | Net Es. |
| 32 P 19698 | 71.35 | 3 | . 16 |
| 32 P 19706 | 71.45 | 4 | . 19 |
| 32 P 19714 | 71.55 | 5 | . 20 |
| 32 P 19722 | 71-6S | 6 | 24 |

## LaFAYETTE MINIATURE

 MICROPHONE CONNECTORS
(A) Microphone plug for CB and Amateur uses. Precision engineered and sturdily constructed. Plug takes any 4 conductor (or 3 conductor whith shield) coiled cord or straight cable. Features threaded retaining ring for positive locking. integral cable retaining clamp ellminates shorts and open connections due to cable strain. Polarizing keyway insures easy, properly orientated 1it. May be used for 3ny low voltage plug-In circultry applications. Imported. Sizes: $11 / 4 \mathrm{~L}$ $x^{122^{\prime \prime}}$ Dia. Shpg. wt., 3 oz.

## 99 P 62630

Net 1.59
(B) Microphone Chassis Socket. Mounts on equipment chassis of panel and mates with 99.62630 plug (shown above). Size $3 / 4 \times 3$.in Dia, Requires "\$a" mountling hole. imported. Shpg. wt. 3 oz.
99 P62648
Net .99

## MINIATURE SHIELDED CONNECTORS



Molded bakellte ead. plated brass shells, for cables up to " "" Diam. PCG series take $7 / 0^{\prime \prime}$ hole. Suffir " $L$ " indicates long- $13_{i s}$ " " $\$$ " indicates short ${ }^{13}$ is". Shpg. wt., 3 oz.

|  | Fig. A-Male |
| :---: | :---: |
| Stock No. Type Cont. Net Ea. |  |


| 32 P 19490 | 91.MPM3L | 3 | . 42 |
| :---: | :---: | :---: | :---: |
| 32 P 19508 | 91.MPM3S | 3 | 42 |
| 32 P 19516 | 91-MPM4L | 4 | . 47 |
| 32 P 19524 | 91 -MPMAS | 4 | . 47 |
| 32 P 19532 | 91 MPM51 | 5 | .49 |
| 32 P 19540 | 91-MPM6L | 6 | . 48 |
| Fig. 8 Female |  |  |  |
| 32 P19557 | $91 . \mathrm{MPF3L} 3$ |  | 35 |
| 32 P19565 | 91.MPF3S | 3 | . 50 |
| 32 P 19573 | 91-MPF4L | 4 | . 55 |
| 32 P19581 | 91-MPF4S | , | . 53 |
| Flg. C | Chassls Connectors for Above |  |  |
|  | Net Ea. |  |  |
| 32 P 19599 | 78.PCG 3 | 3 | . 50 |
| 32 P 19607 | 78.PCG-4 | 4 | . 59 |
| 32 P 19615 | 78.PCG 5 | 5 | . 62 |
| 32 P 19623 | 78.PCG-6 |  | . 63 |

## coaxial cable connectors


(A) F-59 Connector for use with RG59/U coaxial cable. Complete with ferrule. Package of 5 . Shpg. wt., 4 oz .
18 P 58109
......................
Net 1.19
(B) F-56 Connector for use with RG6/U coaxial cable. Complete with ferrule. Package of 5 . Shpg, wt., 4 oz .
18 P58117
Net 1.29
 the". $=20$ or smaller wire. Avg. shDge wt., 2 oz.

| Stoch No. | No. | Each | Lots 10 <br> Each | Lots of 100 <br> Each |
| :---: | :---: | :---: | :---: | :---: |
| $32 P 35009$ | $30^{\circ}$ | .09 | .06 | .053 |
| 32 P 35389 | $30 \mathrm{C} \uparrow$ | .11 | .08 | .065 |
|  |  |  |  |  |

Smallest made alligator clip for use on P.C. boards, tiny terminals, and other crowded spots. "Cad. Dlated steel. tSolid copper. \#20 or smaller wire. Avg. 5 hpg . wt., 202.

| Stock No. | No. | Sige | Open | Net Each | Lots 10 Each | Lots 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 35330 | $34^{\circ}$ | 1\%a" | $1 / 8{ }^{\prime \prime}$ | . 07 | 05 | 043 |
| 32 P 35348 | 34 Ct | 148" | '32" | . 09 | 06 | 055 |

TEST CLIP WITH MESH TEETH (B)
Pee. Wee clip for general test purposes. Cad. plated steel except " C is solld copper. Avg. shpg. wi.. 2 oz

| Stock No. | No. | amp. | Size | Net <br> Each | Lots 10 <br> Each | Lots 100 <br> Each |
| :--- | :--- | :--- | :--- | :--- | :---: | :---: |
| 32 P 35017 | 45 | 5 | $11 / 2^{*}$ | .11 | .07 | .064 |
| 32 P 35025 | 45 C | 10 | $112^{*}$ | .19 | .13 | .114 |

IWIN CLIPS (G)
Jaws of both ends operate independently. Cad. plated steet $2^{\prime \prime}$ Jong, jaws open $1 / 2^{2}$. Shpg. wt., 202.
 sists of 20 small size clips. Alt have sturdy
nickel-plated jaws with strong spring and hard bite. Each tit contains 10 red and 10 black alligator clips, carded and bagged. Imported. Shpg. wt., 802
99 P6235B Kit B (ly $\mathbf{y y}^{\prime \prime}$ )


Net 1.25
99 P 62365 Kit A (212") Net 1.67

## KIT OF 10 JUMPER LEAOS

10 handy 14 " leads with miniature insu. lated alligator clips attached to each end. Clips and leads color coded. 5 pairs; each a different color. Ideal for serviceman or experimenter. Imported. 99 P 00572 Shpg. wt., 5 oz. ....Net 1.29

## KTI OF HEAVY-DUTY JUMPER LEADS

Kit of 5 jumper leads each $48^{\circ}$ long with battery elip terminations. Clip insulators and leads are color coded for easy identification. Imported. Shpg. wt., 8 ox.
99 P 00564


Avg. shpg. wf., 202.

| Stock No. | No. | Sire | Conn. |  | Each | Lots 10 Each | Lots 100 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 35140 | 85 | 24, ${ }^{\prime \prime}$ | Screw |  | . 13 | . 09 | 081 |
| 32 P 35157 | $85{ }^{\circ}$ | 21/" | Screw |  | 26 | . 18 | . 153 |
| 32 P 35165 | $85 \mathrm{~T} \dagger$ | 253" | Tip |  | . 34 | . 24 | . 205 |
| - Copper, others steel. |  | alligator Clips (E) All fit banana plugs. |  |  |  | shpg. | H., 2 |
| Stoct No. | Ho. | Size | Open | Cann. | Each | Lots 10 Each | Lots 100 Each |
| 32 P 35173 | 60 | 2 | K** | Sid. | . 11 | . 07 | . 067 |
| 32 P 35181 | 605 | $2^{\prime \prime}$ | K0~ | Scren | . 13 | . 09 | . 077 |
| 32 P 35199 | 60CS* | 2' | Y6" | Screw | 19 | . 14 | . 116 |

## INSULATEO ALLIGATOR CLIPS (F)

"Copper, others cad. plated steel. Size: $2 \mathrm{~K}_{3}{ }^{\circ}$ " screw connections. Avg. shpg. wi.. 202.

| Stock No. | No. | Color | Each | Lots 10 Each | Lots 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 35421 | 60HS | Red | . 17 | 12 | . 104 |
| 32 P 35439 | 60MS | Black | . 17 | . 12 | . 104 |
| 32 P 35447 | 60CHS* | Red | . 23 | 16 | . 141 |
| 32 P 35454 | 60CHS | Black | . 23 | . 16 | . 141 |

## 0 COPPER (B)

- Are solid copper, all others are lead plated. Avg. shpg. wt., 8 oz.

| Stock No. | No. | Amp. | Size | Each | $\begin{aligned} & \text { Lots } 10 \\ & \text { Each } \end{aligned}$ | Lots 100 Each |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 35066 | 24 A | 25 | 27\% | 32 | 23 | 194 |
| 32 P 35074 | 21 A | 50 | $4^{\prime \prime}$ | 57 | . 40 | . 344 |
| 32 P 35082 | 11 A | 100 | 6 " | 1.56 | 1.09 | . 94 |
| 32 P 35371 | 25C* | 75 | 3* | . 55 | . 39 | 33 |
| 32 P 35090 | $21{ }^{\circ}$ | 100 | 41/2" | 1.40 | . 98 | . 84 |
| 32 P 3510 l | 11 C 。 | 200 | $6^{*}$ | 2.71 | 1.90 | 1.63 |

3.SIOED MESH TEETH CLIPS

All steel, cadmium plated except is solid copper, $\ddagger$ has insulation plercing needle in jaw. Avg. shpg. wt., 301 .


| Stoct No. | No. | Color | Each | Lots 10 <br> Each | Lots 100 <br> Each |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 35660 | $63 \uparrow$ | Red | .24 | .17 | .145 |
| 32 P 35676 | 634 | Black | .24 | .17 | .145 |
| 32 P 35686 | 63 C | Red | .29 | .20 | .172 |
| 32 P 35694 | 63 C | Black | .29 | .20 | .172 |

## INSULATED ALLIGATOR TEST CLIPS WITH 6 TT. LEAD

Handy for guick connections. Plated brass alligator clip with insulated handles and 6 it. of No. 22 stranded wire attached. Clip Is $12 / 2^{\prime \prime}$ overall. Imported. Shpg. Wt., 2 o2. 99 P 62317 Red.
99 P 62325 Black
Net ea. . 15 10 for 1.35


INSULATEO ALLIGATOR CLIP
Sturdy nickel-plated brass jaws with plastic insufted thumb rest and insulated barrel. Strong spring with hard bite. Solder lug connection. Overall length $21 / 2^{\prime \prime}$. Imported. Shpg. wt., 2 oz. Supplied in Red and Black.


## FAHNESTOCH CLIPS

## $\underbrace{1}$

$\square$ 8
Brass cilips that assure good electrical contact without infury to wire. 解" wide except "which are Ko". Packages of 10 . Shpg. wt., 40 ov .

| Stock No. | Fig. | Lgth. | Max. Wire | Mtg. Hole | Pkg. of 10 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 71010 | 8 | 1" | No. 10 | No. 8 | . 30 |
| 32 P 76011 | c | $12 / 10^{4}$ | No. 10 | No. 8 | . 32 |
| 32 P 64595 | A | 132" | No. 10 | No. 8 | 1.10 |
| 33 P $81028^{\circ}$ | B | 3/4" | No. 14 | No. 6 | 1.30 |

## Lafayette plugs And Jacks

## STANDARD LAFAYETTE 2. CONDUCTOR PHONE PLUGS

## PHONO PIN JACK SINGLE HOLE MOUNTING

RCA type female input jack．Mounts securely in single $1 / 4^{\prime \prime}$ hole by means of locknut on jack．Screws，nuts and washers unnecessary． Imporied．Shpg．Wt．， 302. 99 P 62341

4 for ．te Singly ea．． 25

## ULTRA MINIATURE PLUG \＆JACK

Plug is＂K．＂．overall．Pin Dia．为＂： Jack mounts on panets uo to 急， thick．Requires s，s，＂mtg．hole．Ex． tends＂1／sa＂behind panel． 3 circult lack can be used open or closed． Shpg．wh． 2 or．Imported． $99 P 63141$

Net ． 30

## SUB－MINIATURE

 PLUG ADAPTER－Provides Extra Earphone Jack for Transistor Radios

## 84f

A sub－miniature combination plug and jack designed for most transistor radios with ear－ phone jacks．Just plug it in and you have 2 jacks for earphones，speakers，efc．－can be used in instruments provided with $16^{\circ}$ Dia．earphone jack．Overall slze： $21 / 4 x^{\prime} K_{0} x$ 7／²．Shps．wt．， 2 oz．Imported．
99 P 63105
Net ． 84
FIG．E．OPEN CIRCUIT JACK Standard open circuit phone jack， $2 / /^{\prime \prime}$ bushing， $1 / 2^{" \prime}$ long． Complete with mounting hardware．Imported． 99 P 82135 ．．．．．．．．．．Net． 33 ea － 5 for 1.45 FIC．E．CLOSEO CIRCUIT JACK Same as above but cjosed－circuit phone jack．Imported． 99 P 62226

Net 30 ea．－ 5 for 1.29 FIG．F．EXTENSION CABLE JACK Fit standard $1 / 4^{*}$ phone plug．Screw terminals．Barrel plastic hande matches Barrel plug above． imported．Shps．wt． 3 oz．
99 P62143 Net． 39 ea．-3 for .99

## PHONO PLUGS AND JACKS


（A）Single Prong Shielded Plug－RCA type， used extensively for mike，phono，efc．Shpg． wt．， 302 ．
32， 64579
10 for .56 singly，ea．． 07
（B）Phone Jach－Accepts RCA type phono plug．Mounts in rear of panel．Shpg．wt．， 302.

32 P 64587 ．．．．． 10 for 79 singly，ea，． 09 （C）Finger grip plug－Phone plug with Inger grip．Wt．， 202.
32 P $70173 \quad 10$ for .90 singly，ea． 10 （0）Feed Thru－Accepts male phono plug at both ends．Shipg，wt．， 3 oz．
32 P 52012
Ea．． 48

## LAFAYETTE FLAT PHONE



Two conductor all metal phone plug for standard $1 / 4^{\prime \prime}$ jack，body only $k 3^{\prime \prime}$ thick．Shielding crimps to body，center lead to solder terminal．Imported．Shpg．wt．， 202.

39 P 6278
Net ea．． 43

## SUBMINIATURE PHONE PLUG AND JACK <br> 

Sub－miniature＂phone plug＂and jack．Dnly 1 ＂Iong $x 1 / 4^{\prime \prime}$ diameter，overall．Pin Dia． $10^{\prime \prime}$ ． Excellent for transistor and subminiature applications．Plug has removable sleeve．Jack can be mounted on panel up to $\mathrm{K}_{\mathrm{c}}{ }^{\text {＂}}$ thick． Jack can be used for both open and closed circuits．Imported． 3 02．
99 P 62101 Plug
Net, 27
99 P 82119 Jack
Net .25


Brass，nickel－plated adapter．Has standard phone jack on one end to take regular phone plug，and RCA－type phono plug on other end． Has threaded bushing with nut and washer so can be panel mounted if desired．Im－ ported．ShDg．Wt．， 302.
99 P62309
Net 87
HEAVY SHIELDED PHONE （A）PLUGS AND JACKS（8）
（A）Sturdy，heavy brass，nickel－plated phone plugs with screw terminal connections． Threaded insulated cable outlet may be re－ moved for larger cables to pass through． Body dia． $3 / 4^{\prime \prime}$ ．Pin Dia， $1 / 4^{\prime \prime}$ ，overall lengith $3 \mathrm{va}^{2}$ ．Shpa．wt． 3 02，imported．
99 P 62291 Plug ．．．．．．．．Net ea．． 6910 for 5.90 （日）Matching in－line phone Jack，same con－ struction as plug．Overall leng th 2 ．Imported． 99 P 62283 Jack....- Net ea， .6310 for 5.68

## ALL SHIELDED PHONO PLUG AND JACK

 （A）
（A）Removable Shell for easy soldering of wires．Positive ground connection through unique ground lug reduces hum to a mini－ mum．Extra long hande makes removal from amplifier a snap．Completely shielded in bright nickel plate on brass body and shell． Flis all RCA type jacks． 1 K＂${ }^{\prime \prime}$ long．Imported． Shpg．Wt．， 202.

Net .28
（B）Extension Cable Jack for use with above or any other type phono plug．Imported． Shpg．wt． 2 oz．
99 P 6240 ．
Net .25

## 3 CONDUCTOR PHONE <br> （A）PLUG \＆JACK <br> \section*{（B）}


（A） 3 Conductor Phone Plug $1 / 4^{\text {＂Dia．Black }}$ Bakelite Handle．Solder lugs．Imported． 99 P 61194 Shpg．wt．， 2 oz．Inported．Net 46 （B） 3 Conductor Phone Jack．Dpen Circuit． Imported．
99 P 611 is Shpg．wt．， 2 oz．
Net -46

## 3－CONDUCTOR <br> PLUG AND JACK SET



A finely built 3 －conductor plug and jack set．Uniquely made so that jack can be used as normally open although one circuit may be used as normally closed．Meavy gauge construction．Plus $1 \%$＂overall．Jack mounts in $x_{2}{ }^{\prime \prime}$ hole in panels up to $1 / 6^{\prime \prime}$ thick．Pin Dia，Ko＂．Imported．Shpg．wi．， 202.
99 －63281 ．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． 72
KIT OF 10 COLOR CODED PHONO PLUGS


Kit contains 10 RCA－type phono plugs in assorted colors－llack．Red，Yellow．Blue， and White．Plastic shell with finger grip． Plugs are semisolderless type－need only spot solder at tip．Fit standard RCA type phono jacks．Imported．Shpg．wt．， 3 oz． 59 P 63273 ．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．Net 1.10


Set consists of two phono male plugs and a dual female socket．Excellent for such dual signal applications as stereo equipment．Sturdy solder contacts are used throughout construction．Shpg．wt．， 3 oz． 99 P 63307 ．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． 30

# Plugs - Jacks - Connectors 


SWITCHCRAFT 3 CONDUCTOR FLAT PHONE PLUGS
$1 / 4$ " flat phone plugs with removable plastic cap for easy connection of wire leads. Ideal for use where space is 1 im ited. Itp rods are 1 Ke" long. All metalitc parts are of nichel plated brass. All plugs have screw type terminals except \$238 which is solder type. Shpg. wt., 3 ot.

| Steck No. | Mir. Ne. | Fis. | Celor | Net Each |
| :--- | :---: | :---: | :--- | :---: | :---: |
| 34 P60391 | 230 | A | Black | 1.02 |
| 34 P 60409 | S.230 | A | Black | 1.29 |
| 34 P60417 | 235 | A | Red | 1.02 |
| 34 P 60425 | 238 | B | Metal | 1.08 |

## SWITCHCRAFT "LITTEL PLUGS" AND JACKS


"LITTEL-PLUGS" PHONE PLUGS-Compact quality plugs. Fits sland. ard $1 / 4^{\prime \prime}$ pmone jacks except " with 206 diam sleeve and $t$ with short steeve for Revere recorders. In plastic handle or with brass nickel plated shells for shielding. Soider terminal has bullt-in cable clamp. Handle $1^{11}$ Ko" long, $1 / 2^{\prime \prime}$ diam. Av, shpg. wt. 302.

| Stock Ne . | Typ | Fis. | Cond. | Handle | Terminals | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 P 60128 | 240 | $A$ | 2 | Black | Screw | . 57 |
| 34 P 60136 | 245 | $A$ | 2 | fed | Screw | . 57 |
| 34 P 60144 | 250 | A | 2 | Black | Solder | . 54 |
| 34 P 60151 | S-250* | A | 2 | Black | Solder | . 57 |
| $34 \mathrm{P}^{\prime} 60169$ | 255 | $A$ | 2 | Red | Solder | . 54 |
| 14 P 60117 | 260 | A | 3 | Black | Screw | . 90 |
| 34 P 60185 | 267 | A | 3 | Blach | Solder | .81 |
| 34 P 60193 | 280 | B | 2 | Melat | Solder | . 78 |
| 34 P 60201 | S.280* | $B$ | 2 | Metal | Solder | . 78 |
| 14P 60219 | R-2801 | B | 2 | Metal | Solder | . 99 |
| 34 P 60227 | 297 | B | 3 | Metal | Solder | . 99 |

"LITTEL.JAX" PHONE JACKS (Fig. C) Accept standard $1 / 4$ " phono plugs, except " with $.210^{\circ} 1.0$. sleeve and + mates with 480 Mil type "Littel-Plug." Abbrs.: SCC-single closed cht; OC-open ekt.
 wt. 202.

| Stock No. | Type | Schematic Cond. | CKT. | Jan Type | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 P 50235 | 11 | 2 | OC | - | . 31 |
| 34 P 60243 | C-11 | 2 | OC | JJ.034 | 40 |
| 3P 90250 | S.11* | 2 | OC | - | 36 |
| 34P60268 | 12A | 112 | SCC | - | . 36 |
| 34P60276 | C-12A | 112 | SCC | JJ. 089 | . 57 |
| 34 P 60284 | 128 | 111 | 0 C | - | 42 |
| 34 P 60292 | C-12B $\dagger$ | 1113 | OC | 11.033 | . 37 |
| 34 P60300 | 138 | IV 3 | SCC | - | . 60 |

"TINI.PLUGS" SUBMIMIATURE PHONE PLUGS. 2-conductor phone plugs for use with "Tini-jax." Only 1 t/8" In iength. In plastic or metal shielded handles. Pin Ois. 1/8". Shpg. wt., 2 oz

| Stock Mo. | Type | Fit. | Handle | Terminals | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 P 60318 | 740 | A | Black | Screw | . 57 |
| 34 P 60326 | 745 | A | Red | Screw | . 51 |
| 34 P 60334 | 750 | , | Blach | Solder | . 5 |
| 34 P 60342 | 755 | A | Red | Solder | S |
| 34 P 60359 | 770 | 8 | Metal | Screw | . 7 |
| 34 P 00367 | 780 | B | Metal | Solder | 13 |

"TINI-JAX" SUBMINIATURE PHONE JACKS (Fig, D) 2-conductor lacks for "Tinl-Plugs." Only "Ya" Iong. Abbrs.: OC-open Ckt.; CC-ciosed Ckt Av. shpg. wt., 2 ot

| \$tock No. | Irpo | Schematic | CKT. | Nol |
| :---: | :---: | :---: | :---: | :---: |
| 34 P 60375 | 41 | 1 | OC | 33 |
| 34 P 60383 | 42A | 11 | CC | 16 |
| "TIMI.EXTENSION IAX" (FIg. E) An extension or cable jack to mate with "Tinl-Piugs". Two conductor with metal housing for ruggedness and electricat shielding. Solder lug terminals. Shpg, wt., 202. |  |  |  |  |
| Stock Ma. | Type | Fif. Cend. | Terminals | Met |
| 34 Pcanst | 125 | E 2 | Solder | 50 |

SWITCHCRAFT PLUGS AND JACKS


PJ-055B
JJ-026
MIL TYPE PLUGS ANO EXTENSION JACK
All meet industrial and military requirements. Plugs are made to MIL.P.642A Specs. The extension Jack type 820 meets MIL.J.641A specs. Best quality materlat and workmanship assure positive in. ternal Interlock. Parts will not shift in oosition. Biack olastic handie. Extension Jack fits type 430 "Littel.Plug". All have serew terminals. Av, shpg, wt., 2 oz.

| \$tack Mo. | Trpe | Cend. | $\begin{aligned} & \text { old } \\ & \text { S.C. No. } \end{aligned}$ | Jan. Type | Met Each |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 P60006 | 430 | 2 | PL. 55 | PJ-0548 | . 90 |
| 14 P 60094 | 440 | 2 | PL. 55 | PJ-0558 | 90 |
| 14 P 20102 | 480 | 3 | PL-68 | PJ.068 | 2.16 |
| 34 P 60110 | 820 | 2 | JK-26 | JJ. 026 | 1.26 |

SWITCHCRAFT "MICRO PLUGS AND JAX"
(A) A miniaturized 2 -conductor plug for use with cables of up to $76^{\text { }}$ O.O. Nyion insulation is used between tip and steeve. Pin Ola, K.". Shpg, Wl., 202.
(b) Ultra-miniaturized jach is designed for above plugs. cancrit A beatures solder lugs and positive tip spring grip.
34 P $\mathbf{5 0 4 3 3}$ (A) Black handle (No. 850)
Net .51
34 P 60441 (A) Red handle (No, 855)
34 P 60490 (A) Natural A1. handle (No, 880)
34 P 6050 (B) Jax (No. TR-2A) Shpg. wt., 2 oz.

## SWITCHCRAFT "THICK PANEL JAX"

A long bushing allows mounting in panels of up to $1 / \mathbf{a}^{N}$ in thickness with a 15/32" dlameter hole. Features shietding and sotder terminals. No. 151 is 2 -conductor and mates with 240, 245. 250, 255. 270, and 280 plugs. No. 1528 is 3 -conductor and mates with 260,267. 269 and 297 plugs. Shpg. wt., 301.

| Stock | No. | Description |
| :--- | :--- | ---: |
| 34 P 60474 | Switchcraft No. | Mot |
| 34 P 60482 | Switcheraft No. 152B | .09 |

## SWITCHCRAFT STEREO "LITTEL-JAX"

A three conductor lack specially designed for switching out speakers when connecting stereo headphones. Rec. ommended for such stereo applications as record players and muttipler tuners. Dual, normally-closed switch contacls, open both stereo circuits independently when a three conductor pluz is inserted. Mounts in single 3 " diameter hoie. Shpg. wh., 202.

Switchcraft No. 148
Net $7{ }^{\circ}$


## LAFAYETTE STEREO PHONE JACK

For insertion of standard $1 / 4^{\prime \prime}$ Dia. three con. ductor plug. will switch out speakers and allow operation of only headphones or extension speakers. Many uses. Imported. Shpg. wt., 202.

Net ea. 65


## EUROPEAN AUDIO CONNECTORS

Made to European OIN englneering specs. Fully shielded in plastic snap-on shells Will mate with sockets on Norelco, Grundig. Telefunken, Uher, etc. Imported.
3 PIN AUOIO PLUG-FIg. A
34 P 11012 Shpg. wt. 2 ol 5 PIN AUDIO PLUG-Fig. B
.............Nel 1.05 34 P 31020 Shpg. wt, 2 oz.
 5 PIN AUOIO PLUG-FIg. C

## TELEX MINIATURE <br> PHONE PLUG AND JACK

Precision made plugs and jacks. Plug is
I $1 /$, " long (overail), body is $1 / 4^{\prime \prime}$ diameter. prod is $1 / 8^{-}$ola. Jack can be mounted on any panel up to \%". Shpg. wt., 2 oz. 32 P 3017 PM-01 Plug
TELEX No. JMP-01 Jack (Closed Circuit) Net .93 $32 P 3025$. Net .50 TELEX No. JMP-02 Jack (Open Circuli) 32 P 13033
To Speed Your Mail Order-Please Give Your Zip Code Number

# Plugs - Jacks - Binding Posts 



## INSULATEO PLUGS

Fig. A. Insulated Tip Plug. Heavy duty. Solder type. $1^{\prime \prime}$ handle. $21 /{ }^{\prime \prime}$ overall.
32 P 64645 Red ......... Net Ea. 17 32 P 64652 Black. Net Ea. .17 Fig. B. Insulated Solderless Tip Plug. 1* handle. $175_{2}$ " length overall.
32 P 64660 Red...
Net Ea. 17 32 P 64678 Black
fie. C Insulated Short Tip Plus $1^{*}$ handle, $11 / 2^{-1}$ overall length.
32 P 64686 Red....
$\qquad$
Net Ea. . 13 10 For 1.23 Fig. D. Insulated Banana Plug. Spring type. Internal set screw for soldering. 1 ". handle. 1/1/4. length overali. Phosphorbronze.
32 P 64702 Red...
Net Ea, $\quad .30$
10 For 2.85 32 P 64710 Black
Fig. E. Solderless insulated Banana Plug. Spring type. $1^{*}$ handle. $1 \%_{s}{ }^{\prime \prime}$ overall.
32 P 64728 Red.
Net Ea.
32 P 64736 Black............ 10 For 2.37
Fit. F. Solderless insulated Banana Plug. Splif type. $1^{\text {" }}$ handle. $1 \mathrm{k}{ }^{\text {" }}$ overall.
32 P 64744 Red............. Net Ea. 20 32 P 64751 Black. $\begin{array}{lr}\text { Net Ea. } & .20 \\ 10 \text { For } 1.90\end{array}$ Fig. 6. Insulated Banana Plug. Spring type. 1" handie. 13 自" overall. Solder type.
32 P64769 Red...........) Net Ea, 25
32 P 64777 Black.
10 For 2.37
fig. H, Molded Meter Banana Plug.
32 P 64785 Red
Net Ea. . 40
32 P 64793 Black. 10 For 3.80
Fig. I. Molded Meter TID Plug.
32 P 64801 Red. 32 P 64801 Red............. $\quad$ Net Ea. .30
32 P 64819 Black......... 10 For 2.85

Net Ea. $\quad .30$ fig. K. Insulated Spade Lug. $1 / 2$ - handle. 154. Iength overall.

32 P 64827 Red.
32 P 64835 Black.
Net Ea. .18

## SMITH DUAL BANANA PLUG

No. 210 moulded polystyrene dual binding post with brass nickel plated plugs on $y / a^{\prime \prime}$ centers. Mates with standard binding posts. Polarity indicated on top and side. Wire held by internal set screw. May be stached. Snpg. wt., 3 oz.
32 P 65048 Black
Net .72
32 P 65055 Red
Net .72

## SMITH TEST PRODS

Brass, nickel plated plugs mounted in $4^{\prime \prime}$ molded butyrate handies. Shpg. wt., 2 of.

[^18]
## INSULATED JACKS

Fig. L. Phone Tip or Banana Plug. Mounts in $510{ }^{\prime \prime}$ hole.
32 P 64843 Red.
32 P 64850 Black
Net Ea. 20
Fis. M, Sway Binding Post. Takes phone lips, banana plugs, spade lugs, alligator clip, wire. All insulated type. 32 P 64868 Red...

## Net Ea. . 45

 32 P 64876 Black10 For 4.27
Fis. N. Nylon All Insulated Tip Jack. $1^{\text {² }}$ overall. Mounts in 7 e " hole.
32 P 64884 Red.
32 P 64892 Black
Net Ea. 20 32 P 64892 Black........... $\}$ 10 For 1.90
Fig. P. Insulated Tip Jack. 11/4" overall length. Mounts in $8 / 16^{\circ}$ hole. 32 P 64900 Red …......... Net Ea. 15 32 P 64918 Black. Net Ea. $\quad .15$
10 For 1.42
Fig. Q. Nylon Insulated Tip lack. With nylon washer. 1" overall length. Mounts in $\$ / 1 \mathbf{c}^{-\quad}$ hole.
32 P 64926 Red............ Net ea. 27 32 P 64934 Black.

10 For 2.56
Fig. R. Insulated Banana Jack, $7 / 32^{\text {"" }}$ over. alf length. Mounts in $3 / 14$ hole.
32 P 64942 Red............) Net Ea. 15 32 P 64959 Black.......... 10 For 1.42
Fig. S. Instrument Banana Jach. $4 / 6 \mathrm{~m}$ over. all length. Mounts in $1 / 1 s^{*}$ hole.
32 P 64967 Red............. Net Ea. . 18 32 P 64975 Black.......... 10 For 1.71
Fig. T. Nylon Insulated Banana Jack. With nylon washer. Overall length ${ }^{3} / \mathrm{w}$ ". Mounts in $8 / 9{ }^{\circ}$. hole.
32 P64983 Red............) Net Ea. . 25
32 P 64991 Black........... 10 for 2.37

## ULTRA MINIATURE PLUG \& JACK

Plug is 3/1" overall. Pin Dia. 为". Jack mounts on panels up to za thick. Requires $x_{2}$ "mig. hole Ex. tends " $1 / 3$ 2" behind panel. 3 circuit jack can be used open or closed. Shpg. wi., 2 oz. imported.
99 P 63141
Net 30


Unusual dished lockwasher permuls last as. sembly. Teeth embed into jack and panels, prevents pulling out and turning. Mounts in $\mathrm{K}_{0}$ " hote in panels up to $\mathrm{K}_{0}{ }^{*}$ thick. Shpa. wt. 202.
No. 279 Accepts Tip Jacks
32 P 65105 Red
Net .08 32 P 65113 Black Net .08 No. 398 Accepts Oanana Jacks 32 P 65121 Red
32 P 65139 Black

## METAL JACKS

Fig. U. Metal Tip Jack. Mounts in $4 / 4^{*}$ hote. 32 P64371 Net ea. .15 10 for $1.35 \ldots . . . . . . . . . . . . . . . .\}$.100 For 12.50 Fig. V. Metal Banana Jack. Mounts in $1 / 4^{\prime \prime}$ hole.
32 P 64389 ..................... Net ea. . 15
10 for 1.35 100 For 12.50
Fig. w. Metal Banana Jack Mounts in $1 / /^{\prime \prime}$ hole.

10 for 1.35
Net ea. $\quad .15$
100 For 12.50
Fir. X. Solderless Phone Tip. Sr. 17\%m long. 32 P 64405 ................... Net ea. . 15
10 for 1.35
Net ea, $\begin{aligned} & .15 \\ & 100 \text { For } 12.50\end{aligned} \$ l$

## NON-INSULATED PLUGS

Fig. Y. Solderless Phone Tip. Ir. $11 / 1{ }^{3}{ }^{\text {² }}$ long. 32 P 64413
10 for 135 Net ea. 15
10 for 1.35 100 For 12.50
Fig. Z. Banana Plug. Spring type. $11 / x^{\prime \prime}$ over. all. 6-32 32 lis" stud.
32 P $64421 \ldots \ldots . . . . . . . . . . \left\lvert\, \begin{array}{rl}\text { Net ea. } \\ 10 & 25 \\ \text { for } 2.37\end{array}\right.$
10 for $2.37 \ldots . . . . . . . . . . . . . .$.$\} Net fas. 22.25$
Fik. AM. Banana Plug. Spring type. Screw in head. $154^{\circ}{ }^{\circ}$ overatl.

10 for $2.37 \ldots . . . . . . . . . . . . . . . .$.$\} Net ea. 100$ for 22.00
Fig. 8B, Banana Plug. Spring type. $11 / 16^{\prime \prime}$ overall. 6.32 ㅍ. 32 stud.
32 P $64447 \ldots \ldots \ldots . . . . . . . .$.
10 for $2.37 \ldots . . . . . . . . . . . . . . .\}$.100 For 22.00
Fix. CC. Banana Plug. Split type. $11 / 4^{\prime \prime}$ over. all. $6-32 \times 1 / 2^{\infty}$ stud.
 10 for 1.61

100 For 15.30

## LAFAYETTE

## KIT OF 10 5-WAY

 BINOING POSTS- For Banana Plug
- For Phone Tio Pluz
- For Spade lug
- For Alligator Clid
- For Strand of Wire

For panels $k$ to to $1 / 4^{* *}$ thich. Assortment of 10 bleces. 5 Red and 5 Black, Imported. ShDg. wt., 402 .
99 P 62333 Binding Post Kit Net 1.19

## LAFAYETTE JUMBO 5-WAY BINDING POSTS 32

This versatile binding post is designed to accept spade lugs, phone tip lurs or wire which is neld firmly in place by tishtening down the head. Adequate room is allowed for connections with alligator plugs. Banana plugs will firmly seat in the top mounting hole. May be mounted in panels from 'Ki" to $1 / \mathbf{a}^{\prime \prime}$ thichness. Sturdily made with non-removable head piece. Imported. Shpr. wh. ${ }_{99}{ }^{01} \mathrm{P}$.
99 P 61202 Black
Net, 32
99 P 61210 Red

## LAFAYETTE T \& L Pads-Faders -Switches

STEREO LEVEL

## BALANCE

 CONTROL- Dual Concentric 8 ohm L Pads
- Logarithmic Curve

Provides individual level control for stereo speakers. Varies "brilliance" or "presence" Controls stereo extensions without mismatching. Dual control mounted on concentric shaft. Gold-finished brass plate and attractive black knobs with gold trimming L pad for 8 ohm circuits. Plate is $21 / 6^{\prime \prime}$ across; overall depth $3 \mathrm{~V} \mathrm{~g}^{\mathrm{c}}$. Imported. Shpg wt.. 702.
99 ¢ 61400 Level Control


## DELUXE STEREO LEVEL baLANCE CONTROL

- Dual Concentric 8 ohm LPads
- Logarithmic Curve

Two phone jacks enable you to plug in extension or monltoring speakers from the front. Screw ter. minals in the rear provide for a simple. permanent
 hookup. Conirol mounted on concentric shaft. Brushed brass plate with aftractive black with gold-trim knobs. Concentric 8 onm L pads. Use it to control volume on a second set of speakers. Plate is $4 \frac{1}{2} \times 2 \frac{1}{4} \mathrm{~m}^{\mathrm{m}}$; from front of knob to plate $1 \%$ : Overali depths $34 \mathbf{m}^{-\prime}$. Imported. Shpe. wt., 10 oz .
s9 P61418 Deluxe Level Control ....Net 4.95

## LAFAYETTE L PADS

$L$ pads for use as "bril. liance" controls to vary tweeter level, or as "presence" controls to vary midrange speaker level. Both wire wound elements are concentrically mounted within one plastic housing. With gold-finished metal escutcheon plate, mig. screws, and attractive black knob. Size: $1 \%_{10}{ }^{\prime \prime}$ dia., $7 / 8^{\circ}$ deep (less shaft), $21 / 2^{\prime \prime}$ deep overall. Im. ported. Shpg. wt., 502.
L pad for 8 ohm clicuits.
99 P61343 $\qquad$ ....................Net 1.99
L pad for 16 chm circuits.
99 P 61350 Net 1.99

## LAFAYETTE T PADS

Constant impedance control to adjust speaker volume. With brass satin plate for wall mountins. Impedance, 8 omms. With all parts and instructions. Imported. Shpg. wt. 902.
99 P 61368
.Net 5.70

## LAFAYETTE

REMOTE SPEAKER
FADERS

## As Low

 As$99^{c}$

A. Remote Speaker Fader Provides adjustable volume level for Radio, TV. H1.F1 and remote speaker. Gradually increases volume on one speaker while diminishing volume on the other. May also be used to adjust volume for 1 speaker. Gold plate for front panel mounting. With instructions. Imported. Shpg. wi.. 302.
99 P61384
Net .99
B. Remote Speaker Fader. Same as above except for wall mounting. Imported. Wt., 4 oz 99 P 61392

STEREO RUMBLE FILTER

$2^{95}$

Filters out turntable vibration and rumblemakes every low-priced turntable and changer quiet and rumble-free. Designed for use with ceramic or magnetle cartridges. 3 -position selector switch-ceramic. magnetic cartrioge, off. Just plur it in between cartridge and amplifier inputs. Overall size: $5 x$ $256 \times 56^{*}$. Imperted. Shpg. wt. 14 oz. 99 P 10191

Net 2.95

## LAFAYETTE STEREO LEVEL CONTROL



- Logarithmic Curve


Two precision 8 -ohm level controls concentrically mounted for stereo. Ideal for controlling individual volume of stereo extension speakers without fear of mismatch or alfecting volume of main speakers. Also may be used to vary "brilliance" or "presence," screw terminals. Handsome cream finish serew gold panel plate. Overall size 33tht $41 / 2 \mathrm{~W} \times 21 / 4{ }^{\prime \prime} \mathrm{D}$. Imported. Shpg. wi., 10 oz .
99 P 61475

## STEREO SELECTOR



## SWITCHES


(Fig. A)
(Fig. B)

- Permits Remote Selection of any 3 Pairs of Speakers
Recommended only for Hi-Fi Systems Using Vacuum Tube Circuitry
(Fir. A) A constant impedance speaker selector switch for multiple-speaker Stereo $\mathrm{Mi}-\mathrm{Fi}$. Selects 3 sets of speakers in any combination, with up to 60 watts of audio power. Mounted on an attractive, gold-tinished, steel. electric outlet plate. $23 / 4 \times 41 / 2^{\prime \prime}$ Imported. Shpg. wt., 8 oz.
Stereo Speaker Select or Switch
. Net 2.09 99 P 00986
e 2 Hz 4 Wx
(Fig. B) As above in
$3^{\circ} 0$. Shpg. wt., 10 oz .
99 P 01018
Net 3.19


## VOLUME CONTROL ADAPTER



Buift in volume control permits high volume signals to be fed into the high gain input of tape recorders without overloading. Phono jack input to a 2 -conductor standard phone plug output. Completely shielded. Designed for use in unbalanced stereo channels; use in pairs for dual stereo channel control. Imported. Shpg. wt., 4 oz.
99 P 00994

## STEREO SELECTOR SWITCHES FOR SOLID STATE HI-FI SYSTEMS



Speaker selector switch for solid state stereo systems. Allows choice of one of three pairs of speakers. Migh quality, non-shorting contacts capable of handling up to 60 watts audio. Imported. Shpg. Wi., 702.
Fig. A Wall Bor Selector.
99 P 01745
Fig. 8 Enclosed Case Selector
99 P 09752
Net 3.45

## LAFAYETTE MULTIPLE <br> 6 SPEAKER SWITCHES


(A)
(B)

- Recommended only for Hi-Fi Systems Using Vacuum Tube Circuitry Multiple Speaker Switch Constant Impedance device for controlling any 6 remote speakers; up to 63 different combinations. Wall mounting with brass plate. With instructions and hardware. Shpg, wt., 5 oz.
99 P 00549 Imported. Fig. A $\qquad$ Net 2.95
Multiple Speaker Switch. Identical to above but mounted on flat, gold-embossed plate for mounting on flat panel, $31 / 2 \times 2 \%$. im ported. Shpg.wt. 4 oz.
99 P 00663 Fig. $B$
.Net 2.57


## LAFAYETTE REMOTE SPEAKER SWITCHES


$26 \rightarrow y_{0}=5$
(Fig. B)
Recommended only for Hi.fi Systems Using Vacuum Tube Circuitry
(Fig. A) For monaural use. Selects any one of 3, or any combination of 2 or 3 speakers with up to 60 watts of audio power. A constant impedance device. On gold finished steel electric outlet plate with black and lvory knob. $23 / 4 \times 41 / 2^{\prime \prime \prime}$. Imported. Shpg. wi. 802.

99 P 00531 ............................................Net 1.59 (Fig. B) Same as above in enclosed case $31 / 4 x$ $412 \mathrm{~m}_{2} \mathrm{~h}^{\prime \prime}$. Imported. Shpg. wt., 11 oz .
99 P 00838
Net 1.98

## STEREO SPEAKER WALL JACK KIT

$1^{75}$

-     - 



A handsome lvory-finish wall stereo lack kit designed to be mounted in a standard outlet box. Ideal for remote amplifiers or for added stereo pleasure in the den, play room, etc. Contains two standard $1 / 4^{*}$ phone plugs and two slandard $1 / 4^{\prime \prime}$ phone jacks. Size: $4^{7 / h}$ x $2^{\prime \prime} \mathrm{ko}{ }^{\circ} 1^{\prime \prime}$ back clearance required. Imported. Shpg. wt., 6 oz.
99 P 01364
Net 1.75

## Cutler Hammer Switches

AC - DC TOGGLE SWITCHES

## LIGHT DUTY - 3 to 6 AMPS

For use on small motor oriven tools and appliances where a sturdy switch is required. Long the and high arc resistant. "\% dia. threaded stem. Length of stem 'in except +1 , and " $1 / 6$. All have solder lug terminals ercept " $6^{\prime \prime}$ wire leads. 5 screw lerminals. All 3 amps at 250 V except $\ddagger 1 \mathrm{amp}$ U.L. listed. Avg. shpg. wt., 3 or.

| Stock No. | Mfr's. Type | Con. tacts | Fis. | $\begin{aligned} & \text { Amns } \\ & 125 v \end{aligned}$ | $\begin{gathered} \text { Ne1 } \\ 1.24 \end{gathered}$ | $\begin{aligned} & \text { ach } \\ & 25.49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 34 P 33026 | 8280-K-14 | SPST | 1 A | 3 | .77 |  |
| 34 P 33034 | 8280-K15 | SPST | T | 3 | .77 | 71 |
| 34 P 33042 | 8280.K16 | SPST | A | 3 | .77 | . 71 |
| 34 P 33059 | 8282-K131才 | SPDT | - 6 | 3 | . 97 | . 89 |
| 34 P 33067 | 8282-K14 | SPDT | T | 3 | . 97 | . 89 |
| 34 P 33091 | 8290-K15 ${ }^{\text {¢ }}$ | SPST | - | 3 | . 92 | 85 |
| 34 P 33109 | 8290-K16* | SPST | T | 3 | . 92 | 85 |
| 34 P 33117 | 8295-K7t | SPST | T | 3 | .92 | . 85 |
| 34 P 33125 | 8295-K8 | SPST | C | 3 | -92 | . 85 |
| 34 P 33133 | 8360-K6 | OPST | G | 3 | 1.38 | 1.27 |
| 34 P 33141 | 8360-K7 | DPST | G | 3 | 1.38 | 1.27 |
| 34 P 33166 | 8363-K6* | OPDT | $E$ | 3 | 1.59 | 1.46 |
| 34 P 33174 | 8363-K7 | OPDT | $E$ | 3 | 1.59 | 1.46 |
| 34 P 33182 | 8363-K8 ${ }^{\text {¢ }}$ | DPDT | E | 3 | 1.59 | 1.46 |
| 34 P 33208 | 8370-K7 | DPST | G | 6 | 1.48 | 1.37 |
| 34 P 33224 | 8372-K75 | DPST | D | 6 | 1.81 | 1.67 |
| 34 P 33257 | 8375-K75 | OPDT | 0 | 6 | 2.19 | 2.02 |
| 34 P 33281 | $8391-K 71$ | SPST | $B$ | 6 | 1.04 | . 96 |
| 34 P 33299 | 8391-K8 | SPST | 8 | 6 | 1.04 | . 96 |

## AC TOGGLE SWITCHES LIGHT DUTY - 6 AMPS

for use in radios, appliances and other equipment which use snap action mectranism. All rated 6 amps at 125 V and 3 amps at 250 V . Center-olf position. Threaded stems are "h/ka in. dia.. stem length $18 \mathrm{~g}_{2}$. U.L. listed. Avg. shpg. wt., 3 or . indicates screw terminals. \& indicales solder terminals.

| Stock No . | Mrr's. Type | $\begin{aligned} & \text { Con- } \\ & \text { tacts } \end{aligned}$ | Fis. |  | $\begin{gathered} \text { Each } \\ 25-49 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 34 P 33430 | 7580-k4 $\dagger$ | SPST | K | . 74 | 8 |
| 34 P 33448 | 7580-K6\% | SPST | K | . 64 | 59 |
| 34 ¢ 33455 | 7581-K4.* | SPDT | K | . 85 | . 78 |
| 34 P 33463 | 7581-K6.* | SPDT | K | . 70 | . 65 |
| 34 P 33513 | 7582-K6 | SPDT | $k$ | . 70 | 65 |
| 34 P 33521 | 7590 k 41 | OPST | F | 1.13 | 1.04 |
| 34 P 33539 | 7590-K6 | OPST | F | 92 | 35 |
| 34 P 33547 | 7591-K4. | DPDT | F | 1.34 | 1.24 |
| 34 P 33554 | 7591-K64* | DPDT | F | 1.04 | . 96 |
| 34 P 33562 | 7592-K4 | OPDT | F | 1.34 | 1.24 |
| 34 P 33570 | 7592-K6 | OPOT | F | 1.04 | . 96 |

## "ROCKETTE" SWITCHES

Modern design, dependable, with nylon rocker type actuator. Fast connect $.250^{\circ}$ terminals. Requires $14 / 4$ 11." hole. U.L. and CSA listed. Shpg. wt. 3 oz.

$\begin{array}{llllllll}34 P 34164 & 8134 K 21 A 1 M 52 & 6 & 3 & \text { SPST } & .66 & .61 \\ 34 P 34107 & \text { B144K20A1M52 } & 15 & 10 & \text { SPOT } & .84 & 78\end{array}$ 34 P 34115 B142K21E6M52 15 10 OPST 1.15 . 106

## ON-OFF PLATE FOR TOGGLES

34 P 33935 Shpg. wt., 3 oz. Net Ea. 1.9 . 06 0.99 05

LAFAYETTE FOOT SWITCH


The ldeal switch for sate, hand free control of bench tools, appliances or other electrical devices. Rated at 10 amps, 125 Volt A C. Merely step on the switch and constant power is supplied until foot is removed. Supplied with six loot cord and plug. Plug unit into the wall and appllance info the back of plug. Steel housing is finished in gray crackie and has a shid-proof base. Size: 27" square $x 1^{\prime \prime}$ high. Imported. Shpg. wt., 1 ib 99 P 80707

(A)

## (B)


(G)
(H)


# MALLORY Switches and Dial Plates 

## CERAMIC SELECTOR SWITCHES

Ideal for Rf circuits. All non-shorting Ceramic insulation, silver plated contacts. $1 / 2^{\prime \prime}$ spacing between gangs except $1^{\prime \prime}$ on 3 gang. Voltage breakdown 500V AC or DC. Max non breaking resistive load is 10 amps. $1^{\circ}$ mtg . radius. Notched shaft $2 \mathrm{Lx} / \mathrm{a}^{*}$ diameter with $76 \times 3 /{ }^{3 /}$ bushing. Adjustable stop. Type with " have added "OFF" position preceding others. With mhob, nut and lockwasher. Shpg. wt. 501.

| Stock No. | $\begin{aligned} & \text { Mis. } \\ & \text { No. } \end{aligned}$ | Poles Per Gank | Pos. Per Pale | $\begin{aligned} & 14 \\ & 1.4 \end{aligned}$ | $\begin{aligned} & \text { 5-9 } \\ & \text { Eaen } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 40573 | $172 C$ | 1 | 11 | 2.71 | 2.31 |
| 30 P 40581 | $173 C^{\circ}$ | 2 | 5 | 2.77 | 2.31 |
| 30 P 40599 | 174C* | 3 | 3 | 2.71 | 2.31 |


| Stock No. | $\begin{aligned} & \text { Mrg. } \\ & \text { No. } \end{aligned}$ | Poles Per Gang | Pos. Per Pale | Each | $\underset{\text { ExCh }}{5.9}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 40631 | 180 C | 1 | 11 | 5.04 | 4.21 |

## ALL PURPOSE SWITCHES

LEVER<br>ACTION<br>SWITCHES

Positive action, phenolic sections. 6000 series have mtg. brackets with round holes $13 /{ }^{\text {" }}$ apart; 5000 serles have elonkated holes in bracket with 2\%sa" centers. Voltaze rating 500 VAC DC. Max. nonbreaking Current resis tive load, 6 amp. at 6 VAC . $20^{\circ}$ indexing with knob and hardware. Shpg. wt., 50 g.

| Stock No. | Mfg. No. | Poles Per Gane | Pos. Per Pole | $\begin{aligned} & 14 \\ & \text { Each } \end{aligned}$ | $\begin{aligned} & 5.9 \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $30 \overline{\text { ¢ }} 41209$ | 5124 | 2 | 4 | 1.62 | 1.35 |
| 30 P 41217 | 6142 | 4 | 2 | 1.41 | 1.17 |
| 30 P 41225 | 6143 | 4 | 3 | 1.41 | 1.17 |
| Non-Shorting |  |  |  |  |  |
| 30 P41233 | 5224 | 2 | 4 | 1.62 | 1.35 |
| 30 P $4124 t$ | 6242 | 4 | 2 | 1.41 | 1.17 |
| 30 P 41258 | 6243 | 4 | , | 1.41 | 1.17 |

## MINIATURE PUSH-BUTTON SWITCHES



Non-locking type, contact made only when depressed. Silver conlacts, cadmium plated frame. Mount in $8 / \mathrm{ta}^{"}$ hole on up to $1 \mathrm{y}^{*}$ panels.
 max. Circuit codes: M- make, $B=$ break, MBB make before break. Voltage breakdown 500 V DC. With hardware. Shpg. wt., 301.

| stock No. | $\begin{aligned} & \text { MfR. } \\ & \text { No. } \end{aligned}$ | Circuit | Net Ea. |
| :---: | :---: | :---: | :---: |
| 30 P41118 | 1011 | SPST-M | . 82 |
| 30 P 41126 | 1012 | SPST-B | . 82 |
| 30 P 41134 | 1013 | SPOT | . 90 |
| 30 P 41142 | 1014 | DPST-M2 | 1.03 |
| 30 P 41159 | 1015 | DPST-E2 | 1.03 |
| 30 P 41167 | 1016 | DPOT | 1.24 |

Type 154 L resistor switch for simple con. struction of decade bores (up to 10 positions). Phenolic insulation. The number of positions is adjustable for use as a single decade or with more switches as a multiple decade. Requires only 4 resistors for full decade operation. Depth behind panel is 1 ". Lateral space $2^{2}$. Voltage breakdown rating 500 V DC or AC. Shatt $2^{\prime \prime}$ song $\times 1 / 4^{\prime \prime}$ diameter. With knob and hardware. Shpg. wi.. 507.

| Stock No. | Type | $\begin{gathered} 1.4 \\ \text { Each } \end{gathered}$ | $\begin{gathered} 5.9 \\ \text { Each } \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| 30 P 41274 | 1541 | 3.44 | 2.88 |
| Type 389 | Dial Plate for above |  |  |
| 30 P 40839 |  |  | t . 12 |

## MINIATURE LEVER SWITCHES

Phenolic type all are single section type. Contact rating is 350 MA at 500 volts RMS resistive load. $30^{\circ}$ indexing. Mtg. holes 1 smm apart. are posilive action and spring re. furn. \& are spring returi. Supplied with lever knob. Shpg. who. 302.

## SHORIING TYPES

| Stock No. | Mfr. No. | Clr. | Pos. | $\begin{aligned} & 1 \cdot 4 \\ & \text { Ea. } \end{aligned}$ | $\begin{aligned} & \text { 5-9 } \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P 41472 | 6 M 1213 | 2 | 3 | 1.39 | 1.16 |
| 30 P 41498 | 6M1213U* | 2 | 3 | 1.82 | 1.52 |
| 30 P 41506 | 6M1412St | 4 | 2 | 1.98 | 1.65 |


|  | P 41514 | 6M2213 | 2 | 3 | 1.59 | 1.16 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | P P41522 | 6M22135t | 2 | 3 | 1.58 | 1.32 |
|  | P P 41530 | 6M2213U $\dagger$ | 2 | 3 | 1.82 | 1.52 |
|  | OP P41548 | 6M2412S | 4 | 2 | 1.92 | 60 |

## MULTIGANG ROTARY SWITCHES

Phenolic waters. $12^{* *}$ spacing between gangs except 3 and 4 gang is $1^{\prime \prime}$. Indexing is $30^{\circ}$ Have 1 ilxed and 1 adjustable stop. Voltage breakdown 1000 V AC or DC. Contacting members silver coated $2^{\prime \prime}$ notched shaft requires $\%_{0}{ }^{\circ}$ mife nole. Types with e have additional off position with alt circuits open. With bar knob, nut and lock washer. Avg. shipg. wt. 801.

| $\begin{aligned} & \text { Mon-Sh } \\ & \text { stoch No. } \end{aligned}$ | orting Mig. No. Gang | Total Poles | Pos. Per Pole | $\begin{aligned} & \text { NET } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 30 P 40417 | 1311L | 1 | 11 | 2.46 |
| 30 P 40425 | 1315L. 1 | 2 | 5 | 2.45 |
| 30 P 40433 | 13131 ${ }^{\circ}$ | 3 | 3 | 2.46 |
| 30 P 40441 | 1312L. | 4 | 2 | 2.46 |
| 30 P 40458 | 1321L 2 | 2 | 11 | 3.00 |
| 30 P 40466 | 1325. 2 | 4 | 5 | 3.00 |
| 30 P 40482 | 13221* 2 | 8 | 2 | 3.00 |
| 30 P 40490 | 13311 | 3 | 11 | 3.78 |
| 30 P 40508 | 13351. 3 | 6 | 5 | 3.78 |
| 30 P 42686 | 13331* 3 | 9 | 3 | 3.78 |
| 30 P 42694 | 1332L * 3 | 12 | 2 | 3.78 |
| 30 P 40516 | 13411 | 4 | 11 | 4.45 |
| 30-40524 | 13451. 4 | 8 | 5 | 4.45 |
| 30 P 42678 | 1342t* 4 | 16 | 2 | 4.45 |
| $30 \cdot \mathrm{P} 40532$ | 1351 L | 5 | 11 | 4.81 |
| 30 P 40540 | 1356L* 5 | 10 | 5 | 5.29 |
| 30 P40557 | 136116 | 6 | 11 | 5.65 |
| 30 P 40565 | 1366L* 6 | 12 | 5 | 6.45 |

## UNIVERSAL MOUNTING BRACKET

"L" shape. For rear support
of switches. Stpg. Wt. 208 .
30 P 41100 Type 8 B 254 Net .05

## MALLORY SINGLE GANG ROTARY SWITCHES

Single gang, phenollc water $11 / 4^{\prime \prime}$ diameter and $30^{\circ}$ indexing ercept - are $1^{\prime \prime} \mathrm{K}_{0}{ }^{\text {" }}$ and have $20^{\circ}$ indesing and adjustable stop. Voltare breakdown 300 V AC or DC. $2^{\prime \prime}$ notched shaft with $3 \mathbf{H}^{\prime \prime}$ threaded bushing. \% $\mathrm{K}^{\prime \prime}$ long. with bar knob, nut and lockwasher. Shpr. wt., 502.

| Sherting Type |  | Non Shorting |  | Poles | Post tions | $\begin{aligned} & \text { Nel } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Mig No. | Stock No. | Mff. No. |  |  |  |
| 30 P 40011 | 31151 | 30 P 40136 | 3215 | 1 | 5 | 1.20 |
| 30 P 40029 | 311121 | 30 P 40144 | 321121 | 1 | 12 | 1.20 |
| 30 P 40037 | 3122J | 30 P 40151 | 32221 | 2 | 2 | 1.20 |
| 30 P 40045 | 31231 | 30 P 40169 | 32231 | 2 | 3 | 1.20 |
| 30 P 40052 | 31261 | 30 P 40177 | 32261 | 2 | 6 | 1.20 |
| 30 P 40060 | 3134) | 30 P 40185 | 32341 | 3 | 4 | 1.24 |
| 30 P 40078 | 31421 | 30 P 40193 | 3242) | 4 | 2 | 1.24 |
| 30 P 40086 | 31431 | 30 P 40201 | 3243J | 4 | 3 | 1.24 |
| 30 P 40110 | 3136)* | 30 P 40235 | 3236J* | 3 | 6 | 1.93 |
| 30 P 40128 | 3163)* | 30 P 40243 | 3263J* | 6 | 3 | 1.93 |

## PHENOLIC MINIATURE ROTARY SWITCHES

Stators and rotors use gichardson $\mathbf{7 2 5}$ grade phenolic. Has common conlact on same side as the switching contacts. Commercial equivatent to MIL-S-3786. Breakdown voltage between contacts, and contacts and frames is 1700 V R.M.S., 60 cycles. Contact rating is 350 MA at 500 volts R.M.S. resistive 10 ad . Shatt is $2^{\prime \prime}$ tong by $1 / 4^{\prime \prime}$ dia. with $1 / 2^{2}$ spacing between wafers. Waters are $1 \mathrm{y} 4^{\prime \prime}$ dia. and $30^{\circ}$ indeaing. Over all dia. 1 K.". Supplied with knob, adjustable stop, lock washer and nut. Shpr. wt., oz.

| Stock | Non-St <br> No. | Mfr. No. | Cir. Per sec. | sec. | Pos. | Ex. | $\begin{aligned} & 5.9 \\ & E . x_{n} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 P | 41720 | 4M21111 | 1 | 1 | 11 | 1.98 | 1.65 |
| 30 P | 41738 | 4M2215 | 2 | 1 | 5 | 1.98 | 1.65 |
| 30 P | 41746 | 4M21211 | 1 | 2 | 11 | 2.84 | 2.37 |
| 30 P | 41787 | 4M2225 | 2 | 2 | 5 | 2.84 | 2.37 |
| 30 P | 41803 | 4M21511 | 1 | 5 | 11 | 4.93 | 4.11 |
| 30 P | 41811 | 4M2323 | 3 | 2 | 3 | 2.84 | 2.37 |
| 30 P | 41837 | 4M21611 | 1 | 6 | 11 | 5.54 | 4.63 |
| 30 P | 41852 | 4M2245 | 2 | 4 | 5 | 4.20 | 3.51 |

# Switches-Toggle, Push-Button, Slide \& Telephone 



## (1) SPST BAT HANDLE

Rated 3 amps-125V. Body size $11 / \mathrm{x}^{2} / 4 \times 1 / 2^{\prime \prime}$ behind panel. Bushing $7 / 16^{\prime \prime}$ diam. 7/16" long. Bat handle $1 / 2^{* \prime}$ long. Shpg. wt., 3 oz. imported
99 P 61509 $\qquad$ Net ea. . 36
In lots of 10, ea. . 31

## 2) HEAVY DUTY 6 AMP DPDT

Rated 250 V at 3 Amps or 125 V at 6 amps. Switch body $11 / 4 \times 3 / 4 \times 7 / 8^{*}$ behind panel Including terminals. Bushings 15/32" Dia. $7 / 16^{\circ}$ long. Bat handle $1 / 2^{*}$ long. Shpg. wt., 3 oz. imported.
99 P61517

## ..............

in lots of 10 , ea. . 45


## (5) MINIATURE MOMENTARY

Momentary contact push-button switch ideal for all miniaturized applications. Single pole two circult push-to make type. Berylium copper leaf contacts. Overall diameter $1 / 2^{\prime \prime}$, overall depth $11 / 16^{*}$, protrudes $3 / 8^{\circ}$ behind panel. Bushing $1 / 4^{\circ}$ dia., $3 / 16^{\prime \prime}$ long. Supplled with washer and mounting nut. Shpg. wi.. 3 oz. Imported.
Miniature Push-Button Switch.
99 P 62184
in lots of 10 , ea. . 23

## (7) SUB-MINIATURE MOMENTARY

Momentary contact push button switch. SPST, non snap action. Rated 115 V AC at 100 ma . Overall dimensions $3 / 8 \times 3 / 4^{\prime \prime}$ L. Bushing $1 / 4^{\prime}$ long. Shpg. wt., 202. Imported.
99 P 61590
Net ea. 26
in lots of 5 ea. 23

RUGGED TELEPHONE
TYPE APDT LEVER SWITCH

CHROME PLATED CAM
$79^{\circ}$

Telephone Type 4 PDT. Lever switch: 3 position lever action switch of non induction construction. Has 4 sets of SPDT contacts Has 3 locking positions-Heavy insulated rollers. Panel mount, $15 / 16^{\wedge}$ mounting centers. Size: $21 / \mathrm{s}^{\prime}$ long behind panel, 5/8wxly, "H. Shpg. wt., 3 oz. Imported.
99 P 61491
..................................
.Net ea. . 79
In lots of 5 ea. . 69
(3) 6 AMP. DPDT CENTER OFF

Rated 6 amps, 125 V.A.C. $1 \% \times 3 / 4 \times 1$ ~ behind panel Including screw terminals, Bushing $7 / 16 \times 7 / 16^{\prime \prime} \cdot 5 / 8^{\circ}$ bat handle. Shpg. wt., 3 oz imported.
99 P61483
............Net ea. 60
(4) 10 AMP. SPDT CENTER OFF

Rated 10 amps at 125 V . Silvered lugs for low loss connections. Body size $11 / 8 \mathrm{x} 9 / 16 \mathrm{x}$ $5 / 8^{-1}$ depth behind panel. Bushings $3 / 8^{*}$ Dia., $7 / 16^{=}$long. Bat hande $1 / 2^{\text {º }}$ long. Shpg. wt., 3 oz imported.
99 P 61558
Net ea. . 47
Lots of 10, ea. . 43
(6) ILLUMINATED P.B. SWITCH

A compact illuminated swltch which will indicate mode of operation at a glance. Button lights in "ON" position. SPST Type. Current capaclty, 10 Amps at $125 \mathrm{VAC}, 6 \mathrm{~A}$ at 250 V AC Insulation resistance, 100 meg ohms or more at 500 V OC, Solder terminals. Single.hole mig. Mount in 1 夋 hole, $11 / 2^{\prime \prime}$ behind panel. Shpg. wt., 3 oz. Imported.
99 P 61921
.Net 1.95
(8) $\triangle$ POLE-3 POSITION

Four pole rotary selector switch, 3 positions per pole. Spring loaded, positive detent action. Shorting lype. Over all diameter $11 / 4$ ". Depth behind panel, including lugs, $\not / 4 \prime \prime$. Bushing $7 / 8 \times 70^{\prime \prime} .1 / 4^{\prime \prime}$ knurled shatt, $11 / 4^{\prime \prime}$ long. Shpg. wt., 3 oz. Imported.
99 P 61566
Net ea. . 59
Lots of 10 ea. 53

## DELAY ACTION SWITCHES FOR

 HOME AND CAR
(A)
(B)

- Keeps light on for 60 seconds after turning off switch
For the home. Install in regular wall outlet. Keeps outside lights on for 60 seconds while you go to car. Rated 10 amps 125 V (Fig. A) Shpg. wt. 502.

Net 2.39
For the car. Keeps car lights on for 60 seconds white you walk to house then turns them off automatically. Easy to install In any 6 or 12 Volt car. $31 / 4 \times 1 \mathrm{Ko}^{\circ}$ diam. (Fig. B) Shpg. wt. 602.
34 P 46010
Net 2.39


Exceptionally shallow design--only $1 / 8$ = deep for panel mounting. Contact resistance: $1 / 20$ ohm or less; insul. res., 20 megohms at 500 V DC., max. AC current 0.5 amps . With. stands 600 V AC. Size $5 / 8 \times 1 / 8 \times 5 / 16^{*}$. Size of switct. body, mounting ears add 1/2" to overall length. Mig. centers $1{ }^{\prime \prime}$. Shpg. wt., 2 oz . Imported.
99 P 61897
Net 29

## MIDGET-BAKELITE KNIFE SWITCHES

Complete switches mounted on black bakeItte base with Insulated knob handle of black bakellte. Plated brass contacts provide positlve low-resistance connection. Imported. SPDT KNIFE SWITCH
Overall size $14 / 4224$. Shpr. wt. 202.
99 P61525 Net. 19 ea.- 10 for 1.69 DPOT KNIFE SWITCH
Overall slize $156 \times 23 \mathbf{m}^{\prime \prime}$. Shpg. wt., 3 oz 99 P 61533 Nel ea. 29
Perfect for ultra-small switch appilcations. Rated current capacity, 3 amps at 125 volts. Can withstand up to 1000 V AC. Solder IUg terminais. Measures $15 / 16 \mathrm{~L} \times 1 / 4 \mathrm{~W} \times 3 / 8^{\circ}$ D. Mounting centers: $13 / 16^{\circ}$. Shpg. wt. 2 02. Imported.

99 P 61863
.Net 31


3 PDT AC.DC SIlide Switch: Rated at 500 microamps at 100 V . Solder lug terminals. Measures $3 / 4^{\prime \prime} W \times 1 \%{ }^{-1}$ Lx $/ 8^{\circ} D$. Overall Including $5 / 16^{\prime \prime}$ trigger. Mounting centers 1 \%". Shpg. wt., 4 oz. Imported.
99 P 61665


With a filp of a single lever protect cars, boats against fires resulting from shorts, battery run down due to appliances unknowingly left on, theft by fgnition "jumping" (when mounted in concealed position). Per. fect for cars, boats, heavy equipment. All steel construction, operates on bail bearings for quich, easy operation and rapid reset. for quich, easy operation and rapi
Fits 6 or 12 volts. Shpg. wt., $11 / 4 \mathrm{lb}$.
11 P 87012
Net 6.75

# Switches for Industry and Experimenters 

## MAGNEIIC PROXIMITY SWITCH

- Magnet Switch-Circuit Closes When Magnet Approaches Switch
- Activating Magnet Supplied
- Hermetically Sealed

An ingenious little device that has untold uses in the hame-in a burglar alarm sys. tem, electric trains, "magic tricks," and many more. As the magnel approaches the switch. the circuit closes. Hermetically sealed; precious metal contacts: 1 milli. second actuation. 15 watts resistive max. up to 1 amp to 250 volts. Size: $2 \%_{0} "$ with leads. 34 P 44015 Shpg. wt., 3 oz... Net 1.89

## MERCURY SWITCH KIT

- Silent-Swift -Positive Action
- Hermetically Sealed In Glass

This kit of five mercury switches is ideally suited to the needs of hobbyists and experimenters. Tilt activated switches come in varying shapes and current carrying capacitles. With recommended maximum load at $115 V$ AC resistive. the largest switch is rated at 5 amps., 115 V . AC with smaller types rated down to 1 amp.. 115 V AC of less
19 P 21253 Shpg. wt., 401 . Net ea. 2.98
LINEMASTER FOOT SWITCHES


Modef 8-2.5 "Executive." Two momentary SPDT switches side by side. Interlock prevents both circuits from being operated at same time. Both sides normally off when not in use. 15 amps .125 VAC. 4 势 $4 \times 1 \mathrm{yms}$. Shpe. wit., $11 / 2$ tbs.
34 P 36086
Net ea, 7.50
Model T51.S "Treadite". Compact, rugged. SPOT momentary contacts rated 7 amps at 125-250v. AC. $1 /$ H.P. at 115 v . AC. Rubber tread and swid-proof base $34 / 2 \times 2=5 \times 1 \rightarrow$. Shpg. $w t .1002$.
34 P 36011 ...........................Net ea. 2.95 Model TSI-SC-Same with a six It. cord and two prong series plug. U.L. Listed. Shpg. wt., 1 to
34 P 36029 ............................Net ea. 4.40
Model T-51-SC.3-Same as above but with 3 conductor cord and 3 prong grounded series plug. U.L. Listed. Shpg. wt. $11 / 4 \mathrm{lt}$. 34 P 36078

Net ea. 5.65
Model 491.S "Compact"-SPDT momentary contacts rated 10 amps 125 v . AC, $1 / 2 \mathrm{HP}$ at $115 v$. AC. Steel housing. black wrinkle finish, shid-proof base. $2 \% \times 21 / 2 \times 21 /{ }^{2}$. Wt. 9 or. 34 P 36037
.Net ea. 3.60
Model 491-SC3 Same with eight foot cord and three prong grounded series plug. Shpg. wt., $11 / 4 \mathrm{lbs}$ U.L. Listed.
34 P 36094
Net ea. 6.60

HEAVY DUTY LOCK SWITCH

- For Burglar Alarm Systems
- Hidden Auto Disconnect

Heavy duty bakelite construction insures minimum internal resistance and greater current carrying capacity. Extra heavy contacts. Terminals set for simple instaliation
well recessed to prevent shorting. Installs In any hole from $3 / 4^{* \prime}$ to $14 \mathbf{y}^{\prime \prime}$ In dia. in any panel up to $3 / 4^{-}$thick. Two terminat single throw. Key can be removed in both "on" and "off", position. Prevents tampering with automotive equipment. Activates alarm sys-tems-only key can shut off. Suitable for marine equipment. With 2 keys. Wi., 5 of. 33 P 64015

Net 1.59

## MAGNETIC REED SWITCH KIT

Kit consists of four assorted magnetic reed switches and one magnet. For experimenters and hobbyists. Ideal for use in switching circuits, window alarms, liquid level alarms, rotational counting. Two miniature magnetic switches rated at 0.5 amps. 10 watts maximum. Two large switches rated at 1 amp, 15 watts maximum. Shpg. wh., 202.
19 P 21261
Net 2.98

## RUGGED LEVER SWITCH FOR AUDIO AND INTERCOMS



## ARRDW-HART MOMENTARY PUSH BUTTON SWITCHES

Metal base push switches with laminated phenolic sections, slotted sleeve 1/5 diam.. Ka" long. All have solder lug terminal, and plain tops. Complete with mountling ring and nut. Rated 1A, 125 VAC. Shpg. wt., 3 oz .

Mfg. 1. Net Each
Stock No.
No. 24 25-Up

| 34 P | P 34537 | 3392 | 1.13 | 1.05 |
| :---: | :---: | :---: | :---: | :---: |
| NORMALLY CLOSEO-SPST |  |  |  |  |
| 34 | P 34560 | 3391 | . 98 | 89 |
| WORMALIY OPEN-SEST |  |  |  |  |
| 34 | P 34594 | 3391 E | . 98 | 89 |

Type 3391-194 Snap-On Insulator Buttons for any of the above switches. Wt. 202.
34 P 34628 Red
Net ea. 24
34 P 34636 Black
Net ea. 24

## SWITCHCRAFT TINI.SWITCH

Subminiature push-button switch for use in limited space. Oneplece plastic shaft available in red or black. For low level cir. cuits only. NO = normally open. NC = normally closed. Threaded $1 / 4$ " bushing. "1/46" long. requires 3/4" behind panel. Wt., 2 or. Black Type

|  |  | Mif. |  |
| :--- | :--- | :--- | ---: |
| Stock No. | No. | Contacts | Net ea. |
| 34 P 60011 | 961 | SPST-NO | .63 |
| 34 P 60029 | 962 | SPST-NC | .63 |
| 34 P 60037 | 963 | SPDT | .75 |
| Red Type |  |  |  |
| 34 P 60045 | 951 | SPST-NO | .63 |
| 34 P 60052 | 952 | SPST-NC | .63 |
| 34 P 60060 | 953 | SPDT | .75 |

ILLUMINATED "SEE-SAW" SWITCH
$1^{20}$
SPST. FIIp action, rocker arm type. rated at 125 V $A C, 10 \mathrm{amp}$. Illuminated. Fully enclosed. Mounts flush in panels up to


APDT Audlo Lever Switch: Has 2 dual sets of single pole, double throw contacts. One set is momentary contact-spring return, (pressto.talk). In the reverse position of the lever (dictate), the second set of contacts remain in the positive position until released. Panel mounting, mig. centers $1^{-\prime}$ apart. Size $21 / 4^{\prime \prime}$
 Shpg. wi. 401. 99 P 6152

Net ea. 1.09

## DPDT "SEE-SAW" SWITCH


$1 / 8^{\prime \prime}$ thick. Requires mounting hole $11 / 3 \times 5 / 8^{\circ}$. Mtg. centers 1 ha Imported. Shpg. wt., $1 / 4 \mathrm{tb}$
99 P 62598
Net ea. 1.20
Lots of 10 ea. 1.09

## REAR SEAT SPEAKER CONTROLS



Controls come completely mounted on black and silver metal plate with ivory pointer knob plus attached wiring for connections to both speakers. With mounting hardware and instructions. Imported. Shpg. wt. 3 of. FAOER TYPE (Fig. A)
Controls the volume of both front and rear speakers. Gradually reduces the volume on one while increasing volume on the other. 32 P 22585 Net ea. 69 SWITCH TYPE (Fig. A)
Gives choice of front speaker alone, rear speaker alone, or both together.
32 P 22577
Net ea. . 89

## PUSH-8UTTON TYPE (Fig. B)

Just push a button to select front speaker alone, rear speaker alone, or both together. 32 P 22569

Net ea. 1.24
Lafayette Cat. No. $730 \quad 269$

# Replacement Speakers and Baffles 



## LAFAYETTE ECONOMY-LINE PM SPEAKER

Top quality replacement speakers. Selected for universal application, rugged construction-standard configurations. Alt have 3.2 ohm voicé coils. Made in U.S.A. except 99 Series are imported.

| Stock No. | Size | Shape | Mag. Wt. | Peak Watts | Shpe. Wt. | Net Ea, |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 27006 | $4^{\prime \prime}$ | Square | . 60 0z. | 3.0 | $1 / 2$ | 1.59 |
| 99 P 62697 | $5 \sim$ | P.C. | .6802. | 4.0 | $3 / 4$ | 1.79 |
| 32 P 01092 | 5x7" | Oval | 1.002. | 5.0 | 1 | 2.69 |
| 32 P 01076 | 6x9"* | Oval | 1.47 oz . | 7.0 | $11 / 2$ | 3.19 |
| 32 P 01043 | 6x9" | Oval | 2.1502. | 8.0 | 11/4 | 3.69 |



Features famous MICROGAP precision in centering of voice coil, giving increased and uniform sensitivity. All heavily cadmium plated rust proof construction. All with alnico $\hat{V}$ magnets. All volce colls 3-4 ohms except $12^{* \prime}$ is 8 ohms and intercom units are 45 ohms. With provisions for mounting iransformer. \#f For Tape Recorders. - For Intercoms

| Stock No. | Sire.Shape | Program Power Watts | Mag. | 02. Fig | Shpt. Wt. 115. | Net Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 49141才4 | $5 \times 3$ OVAL | 4 | 55 | D | $3 / 4$ | 2.34 |
| 32 P 49018 | $34 / 8$ S SQUARE | 3 | . 68 | A | 1/8 | 2.31 |
| 32 P 490264 | 4" SOUAARE | 5 | 1.2 | A | $1 / 2$ | 2.70 |
| 32 P 49034 | 486 OVAL | 5 | 1.2 | D | 3/4 | 4.11 |
| 32 P 490421 | $5^{\prime \prime}$ P.C, | 5.5 | 1.2 | B | 31 | 3.09 |
| 32 P 49455 | 6*P.C. | 6 | . 68 | B | 1 | 3.15 |
| 32 P 494714 | $6^{* \prime}$ P.C. | 5.5 | 10 | B | $13 / 4$ | 4.41 |
| 32 P 49067 | $6 \times 9$ DVAL | 10 | 3.16 | D | 174 | 5.42 |
| 32 P 49463 | $8^{\prime \prime}$ P.C. | 8 | 1.47 | $B$ | 11/2 | 3.81 |
| 32 P 49075 ${ }^{\text {P }}$ | 8" ROUND | 10 | 3.16 | C | 17/4 | 5.75 |
| 32 P 490834 | 12' ROUND | 14 | 6.8 | C | $51 / 4$ | 8.75 |
| 32 P 49125** | $34 / 2 *$ SQUARE | 4 | . 68 | A | $1 / 2$ | 2.15 |
| 32 P $49133^{*}$ | 4* SOUARE | 4 | . 68 | A | $1 / 2$ | 2.15 |



## EXACT REPLACEMENT MINIATURE SPEAKERS

Quality Alnico PM speakers for replacement In transistor portable sets. Ideal for the experimenter. " have mtg. holes on 2 " centers; $\dagger$ on $1 k_{z}^{\prime \prime}$ centers; OHMS is Voice coll impedance. Dimensions given are overall. Imported.

| Stack No. | Fig. | O1am. | Depth | Ohms | Wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 P $60352 \dagger$ | A | 11/2" | 1/80" | 10 | 50 . | 1.12 |
| 99 P 60360 | C | $2{ }^{\prime \prime}$ | "\%" | 8 | 3 Oz . | 1.03 |
| 99 P 60972* | B | 21/2" | 11/4" | 10 | 602. | 1.12 |
| 99 P 60329 | E | $3^{\prime \prime}$ | "10" | 8 | 302. | 1.05 |



## MOOERN SPEAKER BAFFLES

## Well built plywood speaker bafties for indoor

 public address and paging systems, intercoms, extension speakers, etc. Friese-design ${ }_{5 m}$ grille cloth, modern walnut finish. Baffle for $5^{\prime \prime}$ speaker is $73 \%^{\prime \prime}$ wquare; Depth at top $43{ }^{\prime \prime}$ " Depth at bottom $2 \psi^{\prime \prime}$. For $8^{\prime \prime}$ speaker is $9^{\prime \prime}$ square, Depth at tico $61 \mathrm{~s}^{\prime \prime}$, at bottom $4^{\prime \prime}$. For 12" speaker. $1^{13 "}$ square; Depth at top $81 / 2^{\prime \prime}$, at bottom $41 / 2^{\prime \prime}$| Stack No. | Description | Wt. Ibs. | Singly <br> Each | Lots of 3 <br> Each |
| :--- | :--- | :--- | :--- | :--- |
| 20 P 13068 | For $5^{\prime \prime}$ or $6^{\prime \prime}$ | $11 / 2$ | 3.59 | 3.23 |
| 20 P 13076 | For $8^{\prime \prime}$ | $21 / 2$ | 3.95 | 3.55 |
| 20 P 13084 | For $12^{\circ}$ | $40^{\circ}$ | 5.69 | 5.19 |


ufan CORNER (A) BAFFLES
(B)

Frames constructed of plywood, front panets of acoustically correct pariicle board. Locked corners for maximum strength. Attractive recessed iront, beautiful walnut wood-grain fabric covering. Comolete with speaker mounting hardware

| Stock No. | Utan We. | Fig | fer | $\operatorname{size}^{\operatorname{siv}}$ | Sher. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20 F 48122 | SS8-W | A | ${ }^{\prime \prime}$ | 14×151/2 $21 / 2$ | 41.4 | 10.39 |
| 20 P 48148 | CS8.W | B | $8^{\prime \prime \prime}$ | 91/2 $\times 91 / 2 \times 61 / 4$ |  | 6.95 |
| 20 P 48155 | CS12.W | B | 12" | $1312 \times 131 / 2 \times 8 \times 4$ | 337 | 9.37 |

## LAFAYETTE Speakers for 8 -Track and Cassette Car Stereo Tape Players

| "VARY-MOUNT" PAIR OF $3 \times 5$ UNOER |  |
| :--- | :---: |
| FLUSH MOUNTING OASH MATCHING |  |
| SPEAKER | SPEAKER SYSTEMS | OASH MATCHING SPEAKER SYSTEMS

Ideal for use as an auto speaker or anywhere shaliow depth is required. Full range speaker has heavy magnet and offers outstanding sound quality. Can also be used as a celling or wall mount speaker in your home. Imp. 8 ohms. Overall dia.: $6 \mathrm{~V} / \mathrm{m}^{\prime \prime}$ Imported, Shpg, wt., $11 / 4$ los. 99 P 01794 Net. 4.19

Handsome palr of two $3 \times 5^{\prime \prime}$ wide-range ceramic speakers mounted in plastichousing. Wilt mount under dash, under seats. on kick panels, doors, or rear package shelf. Includes all necessary cables and mounting hardware. Impedance, 8 -ohms. Imported. Shpg, wt., 21/2 lbs. 99 P 62994 Net 6.95

CUSTOM INDOOR SET OF FOUR SPEAKERS \& MATCHING GRILLES

OELUXE PAIR OF REAR OECK MATCHING SPEAKER SYSTEMS


Ready for quick instaliation. Im. proves the sound of any car tape player. Kit Includes: four 43 3" " extended range 8-ohm PM speak. ers; four round custom mount plastic speaker grills; hookup wire with solderless connectors; mounting hardware and easy instructions, Imported. Wt., 31/2 lbs.

Set of two powerful $4^{\prime \prime}$ speakers mounted in handsome ebony plastic cablinets with silver trim. Designed to mount on car"s rear deck. 5 watts peah handling power. Provides outstanding sound reproduction. Includes alf necessary cables and mounting hardware. Imp, 8 ohms, Wt., $2^{3 / 4}$ los.

# Auto-Speaker Kits - Auto Speakers - Accessories 



## REAR SPEAKER KITS FOR AUTO RADIOS

Complete kits for adding second speaker in rear of your car. Switch-controlled kits include a P.M. speaker, 3-position selector switch for cutting in front. rear, or both speakers; dial plate with mounting bracket, knob and hardware; chrome grille. wire and wiring insiructions. Fader controlled hits are identical except in place of switch a fader
sTOCK no.
32 P 22098
32 P 22072
32 P 22114
32 P 22023
32 P 22031
SPEAKER
MAG. O2.

| $5 \times 7$ | .68 |
| :---: | ---: |
| $6 \pi 9$ | .68 |
| $6 \times 9$ | 2.15 |
| $6 \times 9$ | 1.47 |
| $6^{\prime \prime}+$ | 1.47 |

is supplied which controls volume of both speakers simultaneously, gradually reducing volume on one while increasing volume on the other. Kits for transistorized auto radios have speakers with mult-impedance voice coils to match 40, 20, \&-10 ohms or less; work with all sets. transistorized or tube. Simple to install.

This kit for installation in autos with recess between seats in rear. No prille supptied

## REPLACEMENT AUTO PM SPEAKERS

All have multi-impedance voice coils to match all transistor sets. Will match 40, 20. 8 ohms or less. Slimline design.

| $\begin{aligned} & \text { STOCK } \\ & \text { NO. } \end{aligned}$ | SIZE-SHAPE | V.C. IMP | PEAM WATTS | $\begin{gathered} \text { MAG. } \\ \text { OZS. } \end{gathered}$ | SHPG. WT. | MET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 22049 | $6 \times 9^{\prime \prime}$ Oval | Multi-ohm | 7 | 1.47 | $11 / 2$ | 3.99 |
| 32 P 22148 | $6 \mathrm{rg}^{\prime \prime}$ Oval | Multi-ohm | 12 | 5.0 | 24/4 | 5.49 |
| 32 P 22056 | 6 * round | Multi-ohm | 7 | 1.47 | 1 | 3.59 |
| 32 P 22155 | $4 \times 10^{-}$Oval | Multi-ohm | 7 | 2.15 | $11 / 2$ | 4.29 |

## UTAH AUTO SPEAKERS

A complete line of speakers of replacement for all types of auto sets including the new transistorized sets. Voice coil impedances where shown as "' $10 / 20 / 40^{\prime \prime}$ are 40 ohm tapped useable for either impedance and are spectally designed for transistor sets. Findicates shallow type. only $2 w^{\prime \prime}$ deep.

| STOCM NO. | SIZE-SHAPE | V.C. IMP. | $\begin{gathered} \text { MAC. } \\ 02 . \end{gathered}$ | SHPG. WT | MET |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 49166 | $5 \times 7$ Oval | $10 \quad 20 \quad 40$ | 1.47 | 1 | 4.25 |
| 32 P 49174 | $4 \times 10$ Oval | 10/20:40 | 2.15 | $11 / 2$ | 5.16 |
| 32 P 49182 | 6x 9 Oval | 10:20/40 | 1.47 | $11 / 2$ | 4.65 |
| 32 P 49190 | 6x 9 Oval | $10 \quad 20 \cdot 40$ | 2.15 | $11 / 2$ | 4.89 |

## utah deluxe auto speakers

Deluxe line of replacement speakers. Features high-fidelity type cloth edge rolls for better bass and smoother response. Separate high. frequency cone. Hefty ceramic magnet. \& Features 2 voice colls to simplify wiring to both radio and tape deck without swifching.

| Stock No. | Size-Shape | V.C. Imp. | $\begin{gathered} \text { Mag. } \\ 0 \mathrm{Oz} . \end{gathered}$ | Shpg wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 49562 | $4 \times 10^{\prime \prime}$ Oval | 8.10 | 10 | $31 / 4$ | 6.95 |
| 32 P 49570 | $5 \times 7 \times 0 \mathrm{val}$ | 8.10 | 10 | 21/8 | 6.95 |
| 32 P 49586 | $6 \times 9^{-0} 0$ oval | 8.10 | 10 | $21 / 2$ | 6.95 |
| 32 P 495964 | 6x9 O Oal | 8-10 | 10 | $21 / 2$ | 7.95 |

## PAIR OF TRUSONIC DIE-CAST STEREO HI-FI SPEAKERS FOR THE CAR



## n 05 With Grilles - Power Handling: 12.Watts mounting - For Door or Rear Deck Nounting Mounting - Frequency Response: $50-18,000 \mathrm{~Hz}$ Mardware

 Reproduces magnificent hiffi sound in the car. Powertul $5^{* \prime}$ fullrange speaker dellvers brilliant clean highs to 18.000 Hz and deep solid bass down to 50 Hz . Features rigid die-cast frame, free cone suspension. 2 lb . magnet structure and 1"edge-wound wire ribbon worce coil. Handles 12 full watts of power. Custom mounts in door panels or on rear deck. Shpg. wt., 64 l los.32 P 49489 2-Speaker Kit
Net 29.95


Controls come completely mounted on black and silver metal plate with ivory pointer knob plus attached wiring for connections to both speakers. With mounting hardware and instructions. Imported. Shpg. wt., 3 oz .

FAOER TYPE (Fig. A)
Controls the volume of both front and rear speaters. Gradually reduces the volume on one while increasing volume on the other. 32 P 22585

Net Ea, , 89
SWITCH TYPE (Fiz. ©)
Gives choice of front speaker alone, rear speaker alone, or both together 32 P 22577

Net Ea. . 89
PUSH-QUTTON TYPE (Fig, B)
Just push a button to select front speaker alone, rear speaker alone, or both together. 32 P 22569

Net Ea. 12

Set of deluxe heavy duty 544" speakers with 5.5 ounce ceramic magnets. High compliance, cloth roll suspension assures strong. clean bass. Dual cones extend the highs. Fast easy installation. Two screws will fasten each speaker to the fire wall, kick-panel, or under the seat. Comes complete with two speakers, cases, hardware, and illustrated instructions. Each speaker handles 10 watts of power. Shpg. wt., 33/4 lbs
32 P 01977
Net 14.95

## CUSTOM 2.WAY REAR SEAT SPEAKER KIT

11 95


This two-way $6 \times 9^{\circ \circ}$ auto speake: was specially designed to satisfy the demand for the finer tone quality available from modern FM car radios and tape players. Now you can enjoy full quality reception in the rear seat of your car. It has a co-axially mounted $3^{\text {. }}$ tweeter for high frequencies. and matches 8, 10,20 , or 40 ohm outputs for universal use. 6-oz. ceramic magnet with power handling capacity of 10 watts. Complete with black deluxe moulded grille, fader contiol, hardware, wire, and illustrated instructions. 32 P 49539 Snipg. wt., $23 / 4 \mathrm{lbs}$. Net 11.95 DUAL HI-FI REAR-SEAT SPEAKER KIT


## - Woofer-Tweeter-Crossover

Multi-impedance voice coll, 10,20 or 40 ohm for all transistor and tube sets. "Universal" speaker kit includes two Alnico $V$ units-a $5^{\circ}$ wooter and $3^{\circ}$ tweeter with etectronic crossover network, fader control, chrome grille and baffle which fits regular $6 \times 9^{m}$ cut-out; plus pre-wired. presoldered. 3 position switch. Shpg. wt.. 2 lbs
32 P 49331
Net 8.95
DELUXE SPEAKER GRILLES
Dress up original equipment or accessory speaker installations with a contemporary styled lwo-toned slotted speaker grille. Molded high impact black cycolac with chrome medallion. dress up speaker instal. latlons. With chrome bolts, nuts
$5 \times 7^{\text {² }}$ Deluxe Gritte
32 P 57029 Wt. 6 oz.
Net 2.29
$6 \times 9$ " 0eluxe Grille 32 P 57003 Wt. 6 oz. Net 2.59

## SPEAKER GRILLES

Handsome perforated metal grilles for rearseat speaker use or other installations. Avg.


Shpg. wt., $3 / 4 \mathrm{lb}$ CMROME GRILLES
32 P $340105 \times 7$
Net 1.09
32 P 34028 6x9
Net 1.09
GRAY GRILLES (Non-Reftecting)
32 P $340695 \times 7^{\prime \prime}$
32 P $340776 \times 9^{\prime \prime}$

## SPRAGUE 5000 MINIATTURE METAL-CASE ALUMINUM ELECTROLYTIC CAPACITORS



## ECONOMY TUBULAR ELECTROLYTICS

These electrolytic capacitors are specifically designed for service replace ment applications. All single electrolytics are hermetically sealed in alumi. num cans with outer cardboard insulating sleeves and have solid tinned copper leads. Dual and triple section electrolytics have wax impregnated cardboard tubes with mounting strap, and color coded insulated flexible leads. Avg. shpg. wt., 402.

| Stock No. | Mfd. | W.V. | Net Each | Net Each in Lots of 10 |
| :---: | :---: | :---: | :---: | :---: |
| 32 P 01100 | 10 | 25 | 42 | . 38 |
| 32 P 01118 | 25 | 25 | 44 | . 40 |
| 32 P 01126 | 20 | 150 | . 52 | . 47 |
| 32 P 01134 | 40 | 150 | 58 | . 52 |
| 32 P 01365 | 150 | 150 | 82 | . 74 |
| 32 P 01142 | 8 | 450 | 53 | . 48 |
| 32 P 01159 | 20 | 450 | . 72 | . 65 |
| 32 P 01167 | 40 | 450 | . 82 | . 74 |
| 32 P 01373 | 80 | 450 | 1.25 | 1.12 |
| 32901381 | 100 | 450 | 1.38 | 1.24 |
| Oual Section Tubular Electrolytic |  |  |  |  |
| 32P 01175 | 20.20 | 150 | 59 | . 53 |
| 32 P 01143 | 30.30 | 150 | . 82 | . 56 |
| 32 P 01191 | 40.40 | 150 | . 66 | . 59 |
| 32 P 01209 | 50-30 | 150 | . 64 | . 58 |
| 32 P 01217 | 50.50 | 150 | 80 | . 72 |
| 32 P 01399 | 80.50 | 150 | . 86 | . 77 |
| 32 P 01407 | $100 \cdot 50$ | 150 | . 93 | . 84 |
| Triple Section Tubular Electrolylic |  |  |  |  |
| 32 P 01415 | 40-40.20 | 150 | . 93 | . 84 |
| 32 P 01423 | 50.30-20 | 150 | . 93 | . 84 |
| 32 P 01431 | 80-40.20 | 150 | 1.02 | ,92 |

WIOE RANGE ELECTROLYTIC CAPACITOR

- Replaces A Host of Popular


## Combinations

${ }_{5}$ Compact unit which provides exact electrical replacement for original standard 150 WVOC capacitors used principally in printed circuit home radio receivers. $1^{\text {² }}$ dia. $\times 21 / 2^{\circ} \mathrm{L}$. Shpg, wh., 302. Replaces all of the followine:
375 Re.30 mfd. $\quad 70.30 \mathrm{mfd} . \quad 75.30 \mathrm{mid} . \quad 60.40 \mathrm{mfd}$ $43580-40 \mathrm{mfd} . \quad 50-50 \mathrm{mfd} . \quad 70.50 \mathrm{~m} / \mathrm{d} . \quad 80.50 \mathrm{mfd}$,
$\qquad$

## SPRAGUE HYPASS CAPACITORS

Three terminal network feed-thru capacitors. By. pass VHF currents (tup to 150 Mc ). Suppress TVI from shortwave transmitters diathermy machines, etc. Reduce vibrator hash, har-
 monic radiation generator and regulator noise, Wt., 4 oz.
noise, Wr.. ${ }^{\text {Have }}$ oz. mounting.


AS LOW AS
99


A fine selection of 48 ceramic disc type capacitors, Values included range from . 001 mfd to 2 mmid . Voltage patings range from 50 to 5000 volts $D C$. Ideal selection for servicemen, builders and experimenters. Shpg, wt., 3 oz .
32 P 60023
Net . 98

## Cornell-Mallory-Sprague-Aerovox



## TUBULAR ELECTROLYTIC CAPACITORS

## CORNELL BLUE BEAVER

Cornell Dubilier types 8R and B8RD are dry electrolytics in compact aluminum cases Highest quality for TV general replacement with extra safety for high surge voltages in power supplies. Very low leakage. Operating temperature up to $85^{\circ} \mathrm{C}$.

## MALLORY TC

Mallory type TC dry electrolytic capacitors are housed in aluminum containers. These compact units are of the highest quality and are ideal lor use in TV radio and zen. eral replacement in electronic circuitr. Low leakake and built-in safety factors arainst high voltage surges. operating temperature up to $85^{\circ} \mathrm{C}$

## SPRAGUE "ATOMS"

Sprazue types TVA and TV are dry elec. rolytics in extremely compact metal cases. they are designed to withstand high surge voltakes and high ripple currents making them ideal for TV replatements, power sup. plies, etc. Leakage is very low. Efticlent at temperatures up to $85^{\circ} \mathrm{C}$

## AEROVOX DANDEE

Aerovox type PRS are dry electrolytic in compact aluminum cases. Dependable re placements lor TV and all electronic equip. ment when a guality unit is required. feature low leakage high voltage surge protection and operating temperature up to $85^{\circ} \mathrm{C}$.

## STANDARD BRANDS

Because no one manutacturer offers all sizes, we have made this integrated list. Your order will be filled with one of the 4 famous brands illustrated. We will sup ply any particular manufacturers brand specified, if available in the sire desired. Avg, shpr, wt., 4 ous

OUAL SECTION COMMON NEGATIVE


| 34 P 55912 | 20.20 | 150 | 1.05 | 80 |
| :---: | :---: | :---: | :---: | :---: |
| 34 P 55920 | 20-20 | 150 | 1.02 |  |
| 34 P 55938 | 30.30 | 150 | 1.08 | 36 |
| 34 P 55946 | 40-20 | 150 | 1.14 | 8 |
| 34 P 55961 | 40.40 | 150 | 1.11 | . 88 |
| 34 P 55979 | 50.30 | 150 | 1.17 | . 91 |
| 34 P 55987 | 50-50 | 150 | 1.26 | . 96 |
| 34 P 84078 | 80-30 | 150 | 1.32 | 1.05 |
| 34 P 55995 | 80-40 | 150 | 1.32 | 1.01 |
| 34 P 75241 | 80.50 | 150 | 1.41 | 1.09 |
| 33 P $15470^{\circ}$ | 100.50 | 150 | 1.62 | 1.21 |
| 34 P 56019 | $100 \cdot 100$ | 150 | 1.92 | 1.47 |
| 34 P 56050 | 20-20 | 250 | 1.11 | 88 |
| 34 P56084 | 8.8 | 450 | 1.17 | . 91 |
| 34 P 75308 | 10.10 | 450 | 1.23 | . 98 |
| 34 P 56100 | 16.16 | 450 | 1.35 |  |
| 34 P 56118 | 20-20 | 450 | 1.50 | 1.18 |
| 34 P 56126 | 30.30 | 450 | 1.95 | 1.51 |
| 34 P 83450 | 40.40 | 450 | 2.25 | 1.75 |

DUAL UNITS-
SEPARATE SECTIONS

| $34 P 56142$ | 15.15 | 150 | 1.37 | 1.14 |
| :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllll}34 P & 56183 & 40.40 & 150 & 1.63 & 1.36\end{array}$

## TRIPLE SECTION

| Stoch Mo. |  | NET EACH IN LOTS OF |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Cap. | W. $V$. | 1.24 | $25$ |
| 34 P 56324 | 30-25-20 | 150 | 1.80 | 1.40 |
| 34 P 56357 | 40-30-20 | 150 | 1.86 | 1.44 |
| 34 P 56365 | 40-40-20 | 150 | 1.86 | 1.45 |
| 34 P 75456 | 50-30-20 | 150 | 1.89 | 1.50 |
| 34 P 56381 | 80.40-20 | 150 | 1.98 | 1.54 |
| 33 P 15280 | 80.50-50 | 150 | 2.10 | 1.63 |

## QUADRUPLE UNITS

| Stoch No. | NET EACH IN LOTS OF |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Cap. MFO. | W.V. | 1.24 | $\begin{aligned} & 25 \\ & 49 \end{aligned}$ |
| $\overline{34}$ P 56647 50.50-50-20 |  |  |  |  |
|  |  | 150/25 |  | 1.63 |
| 34 P 83385 | 80-10- | -1000 |  |  |
| 34 P833 | 400/40 | /300/50 | 3.27 | 2.50 |

- Cardboard Tubular Wax-Filled Electrolytics


## ELMENCO-SANGAMO-CENTRALAB

(1)TYPE DM. 10 (CMO4) DIPPED SILVERED MICA CAPACITORS
Meets all the electrical requirements of military spec. aMll.C-SC and ElA specilication RS-153. All are $5 \%$ tolerance except ${ }^{*}=$ min tolerance +1.0 pF. All 500 WVDC ercept $\$$ is 300 WVDC and $t$ is 100 WVDC. Wt. 2 oz.

| Stock No. |  | NET EACM |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cap. |  |  |  | Stock No. | Cap.日F | 0 M10. <br> Type | NET EACH |  |
|  |  | DM10. Tyet | 1.9 | $\begin{aligned} & 10 . \\ & 99 \end{aligned}$ |  |  |  | 1.9 | $\begin{aligned} & 10 \\ & 99 \end{aligned}$ |
| 30 P 35011 | 1** | $010^{\circ}$ | . 15 | .12 | 30 P 35227 | 62 | 620 | . 20 | .17 |
| 30 P 35029 | 2* | 020* | . 15 | .12 | 30 P 35235 | 68 | 680 | . 20 | . 17 |
| 30 P 35037 | 3 ${ }^{\text { }}$ | $030{ }^{\circ}$ | . 15 | .12 | 30 P 35243 | 75 | 750 | . 20 | .17 |
| 30 P 35045 | 5* | 050** | . 15 | .12 | 30 P 35250 | 82 | 820 | . 20 | . 17 |
| 30 P 35052 | 10 | 100 | . 23 | 20 | 30 P 35268 | 91 | 910 | . 22 | . 18 |
| 30 P 35060 | 12 | 120 | 23 | . 20 | 30 P 35276 | 100 | 101 | . 22 | .18 |
| 30 P 35078 | 15 | 150 | . 23 | . 20 | 30 P 35284 | 110 | 111 | . 22 | .18 |
| 30 P 35086 | 18 | 180 | 23 | . 20 | 30 P 35292 | 120 | 121 | . 23 | . 20 |
| 30 P 35094 | 20 | 200 | . 18 | . 15 | 30 P 35300 | 130 | 131 | . 22 | .18 |
| 30 P 35102 | 22 | 220 | . 18 | . 15 | 30 P 35318 | 150 | 151 | . 23 | . 20 |
| 30 P 35110 | 24 | 240 | .18 | . 15 | 30 P 35326 | 160 | 161 | . 25 | . 21 |
| 30 P 35128 | 27 | 270 | . 18 | . 15 | 30 P 35334 | 180 | 181 | . 27 | . 23 |
| 30 P 35136 | 30 | 300 | . 18 | .15 | 30 P 35342 | 200 | 201 | . 29 | . 24 |
| 30 P 35144 | 33 | 330 | .18 | .15 | 30 P 35359 | 220 | 221 | . 30 | . 26 |
| 30 P 35151 | 36 | 360 | . 20 | .17 | 30 P 35367 | 240 | 241 | . 32 | 27 |
| 30 P 35169 | 39 | 390 | 20 | .17 | 30 P 35375 | 250 | 251 | . 30 | . 26 |
| 30 P 35177 | 43 | 430 | . 20 | .17 | 30 P 35383 | 270 | 271 | . 30 | 26 |
| 30 P 35185 | 47 | 470 | 20 | .17 | 30 P 35391 | 300 | 301 | . 34 | 29 |
| 30 P 35193 | 50 | 500 | . 18 | .15 | 30 P 35409 | $330+$ | 331 | . 32 | . 27 |
| 30 P 35201 | 51 | 510 | 20 | .17 | 30 P 35417 | $360+$ | 361 | . 34 | . 29 |
| 30 P 35219 | 56 | 560 | 20 | .17 | 30 P 35938 | $390 \uparrow$ | 391 | . 36 | . 30 |



## TYPE OM-19 (CMO6) DIPPED SILVER MICA CAPACITORS

TYPE DM-19 (C Style CMO6) Operate from - 55 to $150^{\circ} \mathrm{C}$. Meets all electrical requirements of mil spec MIL-C-SC and EIA spec RS-153. Capacitance values $430-4700$. pf bear CMO6 type designations. All have $\pm 5 \%$ tolerance. All 500 DCWV except - 300 WV and +100 WV . Shpg. wt., 202.


Designed primarily for transmitter. induc. tion heaters. X-Rays, etc. Tolerance 850 type $\pm 10 \%, 858$ type $\pm 20 \%$. Mounting $1 / s^{\prime \prime}$ long hex studs tapped $6 / 32$ thread. All 7500 DCWV except ${ }^{\circ} 5000$ V. Temp. Coeffi cient types ending in $Z N P O$, ending in $N$ N750. Avg, shpg. wt., 202.
Stock No. CRL No. Cap. Erice $33 P 24498$ A50S-257 25 $\begin{array}{lllll}33 P 24506 & 8505-502 & 50 & \\ 33 P 24514 & 8505-50 \mathrm{~N} & 50 & 1.4 & 2.70 \text { ea. }\end{array}$ 33 P $245228505.75 \mathrm{~N} \quad 75$ 5-29 2.43 ea. 33 P $245308505-100 \mathrm{~N}$. $10030 \cdot 1002.14$ ea. 31 P $245488585.500^{\circ} 500$
33 P 24555 858S. 1000 * 1000

| Stock No. | Cap. MMF | OM19 Tyne | NET 1.9 | $\begin{gathered} \text { ACN } \\ 10 \\ 99 \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| 30 P 35722 | 1500 | 152 | 39 | 33 |
| 30 P 35730 | 1600 | 162 | 39 | 33 |
| 30 P 35748 | 1800 | 182 | . 43 | . 36 |
| 30 P 35755 | 2000 | 202 | . 48 | 41 |
| 30 P 35763 | 2200 | 222 | 51 | 44 |
| 30 P 35771 | 2400 | 242 | . 53 | .45 |
| 30 P 35789 | 2500 | 252 | . 55 | . 47 |
| 30 P 35797 | 2700 | 272 | 58 | 50 |
| 30 P 35805 | 3000 | 302 | . 65 | . 56 |
| 30 P 35813 | 3300 | 332 | . 69 | . 59 |
| 30 P 35821 | 3600 | 362 | . 76 | . 65 |
| 30 P 35839 | 3900 | 392 | . 79 | . 68 |
| 30 P 35847 | 4300 | 432 | . 86 | . 74 |
| 30 P 35854 | 4700 | 472 | .93 | . 80 |
| 30 P 35862 | 5000 | 502 | . 99 | . 84 |
| 30 P 35870 | 5100 | 512 | 1.00 | . 86 |
| 30 P 35888 | $5600{ }^{*}$ | 562 | . 95 | . 81 |
| 30 P 35904 | $6800{ }^{+}$ | 682 | . 92 | . 78 |
| 30 P 35912 | 7500* | 752 | 1.00 | . 86 |
| 30 P 35920 | 82004 | 822 | 1.09 | . 93 |

## CENTRALAB OD-30 3000 WVOC DISC CERAMICS ShRg, wt. 2 oz.

Stock No . $\mathbf{0 0 3 0} \mathrm{mmt}$ Stoch No .0030 mmt

| 33 P 23581 | $4 R 7$ | 4.7 | 33 P 23771 | 101 | 100 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 23615 | 100 | 10 | 33 P 23789 | 121 | 120 |
| 33 P 23656 | 220 | 22 | 33 P 23813 | 201 | 200 |
| 33 P 23664 | 250 | 25 | 33 P 23821 | 221 | 220 |
| 33 P 23680 | 300 | 30 | 33 P 23854 | 301 | 300 |
| 33 P 23706 | 390 | 39 | 33 P 23862 | 331 | 330 |
| 33 P23714 | 470 | 47 | 33 P 23870 | 391 | 390 |
| 33 P23722 | 500 | 50 | 33 P 23896 | 471 | 470 |
| 33 P 23730 | 560 | 56 | 33 P23904 | 501 | 500 |
| 33 P23748 | 680 | 68 | 33 P23920 | 681 | 680 |
| 33 P 23755 | 750 | 75 | 33 P 23938 | 751 | 750 |
| 33 P 23763 | 820 | 82 | 33 P 23946 | 821 | 820 |
| NET EACH ANY |  |  |  |  |  |
| 1-49 |  | 50 |  |  |  |
| . 24 |  | .19 |  |  |  |

Stect Mo. DD30-mmi StochMo. DD30. mmf
 33 P $239791521500 \left\lvert\, \begin{array}{lllllll}33 & \text { P } 24043 & 332 & 3300\end{array}\right.$ 33 P $239872022000 \quad 33$ P 240684724700


NET EACN ANY OF ABOVE IN LOTS OF 1.49,30 50 UP. 238

TYPE DO 1000 WVDC CERAMIC DISCS
Ideal for by-pass coupling in high frequency circults. 1000 VDC working except DD-153. DD-203, DD-303, DD.403. DD. 503 which are 600 VDC working. Tolerance all $=10 \%$ except $\cdot \pm 20 \%, \uparrow \pm .5 \mathrm{MMF}, \ddagger \mathrm{GMV}, \cdots+80$. $20 \%$. Avg. shpg. wt., 2 02.
Stock No. DO. mmi Stock No. DD. mmi $33 P 22583 \quad 3 R 3+3.3133 P 22949391 \quad 390$ 33 P $22591050 \quad 5 \quad 33$ P $24977401 \quad 400$ 33 P 22617 6R8 6.8 33P $22997471 \quad 470$ 33 P 22625 7R5 7.5 33 P 23011 4716 470 33 P $22641 \quad 100 \quad 10$ 33 P $23029501 \quad 500$ 33 P $22658120 \quad 12 \quad 33$ P23045 561 560
 $\begin{array}{llll}33 \text { P } 22674 & 180 & 18\end{array}$

\section*{33 P 22682200 3 P 22690220} 33 P $23078751 \quad 750$ 13 P $22708240 \quad 24 \quad 33$ P $23094821 \quad 820$ 33 P $22716250 \quad 25 \quad 33$ P23102 $911 r r 10$ | 33 | $P$ | 22724 | 270 | 27 | 33 | $P$ | 23110 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 102 | 1000 |  |  |  |  |  |  |
| 33 | P 22732 | 300 | 30 | 33 | P 23128 | $102 \mathrm{G} \$ 1000$ |  | 33 P 22740 33 P $22757390 \quad 39 \quad 33$ P $231441226 \ddagger 1200$ 33 P $22765470 \quad 47 \mid 13$ P $23169152 \quad 1500$ 33 P 22773 500 50 33 P 23177 152G 1500

 33 P $22807680 \quad 68$ 33P 23201 202申 2000 33 P $22815 \quad 750 \quad 75$ 33 P 232;9 222 $\quad 2200$ 33 P $22823820 \quad 82 \mid 33$ P 23227 252t 2500

 33 P $22856121 \quad 120 \quad 33$ P 23243 302t 3000 $\begin{array}{llllllllll}33 & P & 22864 & 131 & 130 & 33 & P 23250 & 332 & 3300\end{array}$ $\begin{array}{llllllllll}31 & P & 22872 & 151 & 150 & 33 & P & 23268 & 3921 & 3900\end{array}$ $33 P 22880181180$ 33 P 22898201200 33 P 22906221220 33 P 23914241240 33 P 22922251250 33 P 22930271270 33 P 22948301300 33 P 22955331330 33 P $229631351 \quad 350 \left\lvert\, \begin{array}{llllllll} & 33 & \text { P } 23342 & 682 \% & 6800\end{array}\right.$ | 33 | P 22971 | 361 | 360 | 33 | P23367 | $822 t$ | 8200 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

NET EACH ANY OF ABOVE IN LOTS OF 1.99 .15100 UP . 119

| Stock No. | CRI No. DO- | $\begin{aligned} & \text { CAD. } \\ & \text { MFD } \end{aligned}$ | 1.99 | $\begin{aligned} & 100 \\ & 10 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 33 P23375 | 1034 | 01 | $\overline{2}$ | 19 |
| 33 P23383 | 1032* | . 01 | . 24 | . 19 |
| 33 P23391 | 153** | .015 | . 24 | . 19 |
| 33 P23409 | 203** | . 02 | . 45 | . 356 |
| 33 P23417 | 303** | . 03 | . 45 | . 356 |
| 33 P23425 | 403*** | . 04 | .45 | . 358 |
| 33 P 23433 | 503** | . 05 | .45 | . 356 |

## CENTRALAB



## TYPE UK AND UK-10 LOW VOLTAGE ULTRA-KAPS

UK pated 3 WVOC, tolerance GMV; UK-10 rated 10 wvOC fot. $+80 \%$. $-20 \%$. Shpg. rated 2 oz .

TYPE UK

| Stock No. | Mfrs. <br> Trpe | Cap. <br> mfd. | Net Price <br> $\mathbf{1 . 9 8}$ |
| :--- | :---: | :---: | :---: | :---: |
| 100 Up |  |  |  |

## TYPE UK. 10

| $33 P 21270$ | UK10-503 | .05 | .18 | .14 |
| :--- | :--- | :--- | :--- | :--- |
| $33 P 21282$ | UK10-104 | .1 | .18 | .14 |
| $33 P 21296$ | UK10.204 | .2 | .30 | .24 |
| $33 P 21304$ | UK $10-474$ | .47 | .42 | .33 |



# Twist Prong Capacitors 



## STANDARD BRANDS:

Because no one manutacturer makes all sizes, we have made this comprehensive integrated list. Orders will be filled with one of the lamous brands listed above. ideal for nigh ripple selenium rectifier cir. cults. Average shpg. wt. 5 oz .
SINGLE SECTION TWIST PRONG

|  |  |  | Net Each |  |
| :---: | :---: | :---: | :---: | :---: |
| Stock No. | Mfd. DCWV |  | $1-24$ | $25-49$ |
| 34 P 76207 | 150 | 250 | 2.13 | 1.15 |
| 34 P 83278 | 160 | 250 | 2.13 | 1.29 |
| 34 P 58015 | 200 | 250 | 2.52 | 1.46 |
| 34 P 76306 | 150 | 350 | 2.73 | 1.60 |
| 34 P 76348 | 40 | 450 | 1.41 | .97 |
| 34 P 76371 | 80 | 450 | 2.10 | 1.45 |

## DUAL SECTION TWIST PRONG

| Stock No. | Cap. Mid. | DCWV | $1.24$ |  |
| :---: | :---: | :---: | :---: | :---: |
| 34 P 76587 | 100.100 | - 350 | 4.23 | 1.99 |
| 34 P 76611 | 80.80 | 400 | 3.42 | 2.09 |
| 34 P 83286 | $80-24$ | 450.350 | 2.31 | 1.57 |
| 34 P 78942 | 10-10 | 450 | 1.32 | . 90 |
| 14 P 76967 | 20.20 | 450 | 1.77 | . 06 |
| 14 P 77015 | 40-40 | 450 | 2.37 | . 5 |

TRIPLE SECTION TWIST PRONG
StockNo. Cap.Mfd. Wvóc Netea $34 P 7411140-40-20 \quad 450-450-25 \quad 2.70$ 34 P $74178 \quad 80-20-100 \quad 450-450-50 \quad 3.10$ 4 P $74228 \quad 10-10.10 \quad 450$ $\begin{array}{llll}33 P 15405 & 20-10-10 & 450 & 2.01\end{array}$
QUADRUPLE SECTION TWIST PRONG

## Net Each

| Stock No. | Cap. Mfd. | wvoc | ${ }_{1.24}$ | 25-4 |
| :---: | :---: | :---: | :---: | :---: |
| 34 P 74426 | 60-40-20-200 | 150-150.150-10 | 2.37 | 35 |
| 34 P 74574 | 40.40-40-40 | 350 | 3.84 | 1.9 |
| 34 P 74723 | 80-40-10-100 | 400-400-400-200 | 4.38 | 2.3 |
| 34 P 83302 | 30-20-160-40 | 450-450-250-150 | 4.08 | 2.1 |
| 34 P 83310 | 80-50-20.50 | $450-450-250-50$ | 4.11 | 2.2 |
| 34 P 83328 | 80-50-10-20 | 450-450-450-25 | 3.99 | 2.28 |
| 34-74848 | 40.30-10.20 | 450-450-450-25 | 3.09 | 2. |
| VOLUME CONTROLS |  |  |  |  |
| MALLORY T. and L. PAD ATTENUATORS |  |  |  |  |

For Level Control of low impedance atidio circults. Rated at 15 watts Deak audio, 4 watts DC. Accessories furnished: one bar knob, one dial plate, with matche rotation, one nut. one lock washer. Bushing


## L-PADS

| tock No. | Mte. No | Ohms | Stock No. | Mig. No. | $\overline{\text { Ohms }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P13756 | 12 | 2 | 33 P13814 | L100 | 100 |
| 33 P 13764 | L4 | 4 | 33 P 13855 | L600 | 600 |
| ( 33 P 13780 | 18 | 5 | 33 P 13863 | 11000 | 1 k |
| 33 P 13806 | $L 15$ <br> 50 | 15 | 33 P 13889 | 13000 | 3 k |
| Singly Each |  |  |  |  |  |
|  |  |  |  |  |  |
| Same as above with a th" $-32 \times 1^{\prime \prime}$ Bushing. 2 nuts. 2 lock washers 11 2n $14 / z^{\prime \prime}$ dial plate. Shpg. wt. 6 or |  |  |  |  |  |
| Slock No. | Mfr. No. Ohms |  | Stock $\mathrm{N}_{0}$. | M/g. No. Ohms |  |
| 33 P 13905 | L84 | 8 | 33 P 13913 | L16A |  |

## DUAL L-PADS

Ganged pads for stereo use. Same specifications as single L Pads bushing the"- $32 \times 1$ ". Shpg. wt. 80 ol

| Stock No. | Mig. No. | Ohms | Stock No. | mig. No. | Ohm |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 13921 | ${ }^{\text {LL8 }}$ | ${ }^{8}$ | 33 P 13947 | LL50 | 50 |
| 33 P 13939 <br> Singly Each | LL16 | 16 |  |  |  |
| T.PADS |  |  |  |  |  |
| Stock No. | mis. No. | onms | Stock No. | mig. No. | Ohms |
| 33 P 13988 | T8 | 8 |  |  |  |
| 33 3 3 | r15 | 15 | 33 P 14051 | T500 | 500 |
| 33 P 14010 Singly Each | T50 |  | 33 P 14069 | r600 | 600 |


| Stock No. | Cap. Mrd. | wVDC | 1.25 | $25-49$ |
| :---: | :---: | :---: | :---: | :---: |
| 34 P 74921 | 10-10-10-10 | 450 | 2.31 |  |
| 34 P 74939 | 20-20-20-20 | 450 | 3.24 | 1.73 |
| 34 P 74970 | 40-20-10-10 | 450 | 2.67 | 1.57 |
| 34 P 73014 | 40-40.20-20 | 450 | 3.84 | 2.04 |
| 34 P 73030 | 40 40-40-40 | 450 | 4.44 | 2.41 |
| 34 P 73113 | 20-20-10-10 | 475 | 3.00 | 1.66 |

## Mallory Controls

## EXPLANATION OF MALLORY TAPERS

Taper No. 1-For audio or antenna shunt circuits
Taper No. 2-For Series circuits or cathode voltage controls Taper No. 4 Linear taper for voltage divider circuits


Carbon element midgetrols are rated 1 watt linear or $1 / 2$ watt audio. Size "Mo" dia. with 2 " ${ }^{4}$ " long $x ~ 1 / e^{"}$ dia. round shafts. Shalt can be easily cut to any required length. Supplied with two shafts and knob adapters for mnurled and push-on knobs, and one Pal. nut. Shpg. wt., 402.

| Stock No. | Mig. No. | Ohms | Tpr. | Stock No. | $\begin{aligned} & \text { Mis. } \\ & \text { Mo. } \end{aligned}$ | 0.am | Tpr. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 11107 | U. 1 | 100 | 4 | 33 P 11370 | U. 36 | 75K | 1 |
| 33 P 11115 | U-2 | 500 | 4 | 33 P 11388 | U-39 | 100K | 1 |
| 33 P 11511 | U. 52 R | 500 | 2 | 33 P 11396 | U. 40 | 100K | 2 |
| 33 P 11123 | U.751R | 750 | 2 | 33 P 11404 | U-41 | 100K | 4 |
| 33 P 11131 | U-3 | 1K | 2 | 33 P 11412 | U. 415 | 125K | 4 |
| 33 P 11149 | U. 4 | 1K | 4 |  |  |  |  |
| 33 P 11156 | U. 5 | 1500 | 2 | 33 P 11420 | U-42 | 150K | 1 |
| 33 P 11164 | U.5L | 1500 | 4 | 33 P 11438 | U-43 | 200k | 4 |
| 33 P 11172 | U. 6 | 2 K | 4 | 33 P 11446 | U. 44 | 250 K | 1 |
| 33 P 11180 | U.7 | 2500 | 2 | 33 P 11453 | U. 45 | 250 K | 2 |
| 33 P 11198 | U-8 | 3K | 4 | 33 P 11461 | U. 46 | 250k | 4 |
| 33 P 11206 | U. 9 | 3K | 2 | 33 P t1479 | U-48 | 500K | 1 |
| 33 P 11214 | U-12 | 5 K | 1 | 33 P 11487 | U. 50 | 500K | 4 |
| 33 P 11222 | U. 14 | 5K | 4 | 33 P 11495 | U-51 | 750K | 1 |
| 33 P 11230 | U. 18 | 10K | 1 | 33 P 11503 | U. 52 | 1 Mer. | 2 |
| 33 P 11248 | U. 19 | 10k | 2 |  |  |  |  |
| 33 P 11255 | U-20 | 10K | 4 | 33 P 11529 | U.53 | 1 Meg . | 1 |
| 33 P 11263 | U-21 | 15K | 1 | 33 P 11537 | U.54 | 1 Meg . | d |
| 33 P 11271 | U-22 | 15K | 2 | 33 P 11545 | U. 155 | 1.5 Mes. | 4 |
| 33 P 11289 | U. 24 | 20K | 1 | 33 P 11552 | U. 55 | 2 Meg . | 1 |
| 33 P 11297 | U-26 | 20K | 4 | 33 P 11560 | U-56 | 2 Meg . | 4 |
| 33 P 11305 | U-28 | 25K | 2 | 33 P 11578 | U. 255 | 2.5 Meg | 4 |
| 33 P 11313 | U-28A | 25k |  | 33 P 11586 | U. 57 | 3 Meg . | 1 |
| 33 P 11321 | U 29 | 25k | 4 | 33 P 11594 | U. 59 | 3 Meg . | 4 |
| 33 P 11339 | U. 30 | 30 K | 4 | 33 P 11602 | U. 63 | 5 Meg . | 2 |
| 33 P 11347 | U.33 | 50K | 1 | 33 P 11610 | U. 65 | 5 Meg. | 1 |
| 33 P 11354 | U. 34 | 50K | 2 | 33 P 11628 | U.67 | 5 Meg . | 4 |
| 33 P 11362 | U-35 | 50k | 4 | 33 P 11636 | U-82 | 10 Meg . | 4 |

Any of above ............................................................................................ 1.02


## dOUBLE TAPPED MIDGETROLS

Shpg. wt., 402.

| Stock <br> No. | Mis. | Overall | Tap Resistances |  |
| :---: | :---: | :---: | :---: | :---: |
| 33 P 11834 | U0. | Uesistances | Tap 1 | Tap 2 |
| 33 P 11842 | UOT-203 | 500 K | 100 K | 200 K |

Any of above .................................................................................... 1.26

## MINIATURE VOLUME CONTROLS



Audlo Taper controls with D.P.S.I. switches. Mount in $x_{0}$ " holes in panets up to $1 / 4^{\prime \prime}$ thick. $1 / \mathbf{c}^{*}$ flatied shaft is $3 / 4$ " long. Dimensions: "/4." $W \times 1^{1 / H} \times 1^{\text {w }} 0$. Mounting nut and washer supplied. Imported. Shpg, wt., $30 z$.

## $32 \mathrm{P} 22510 \quad 5 \mathrm{~K}$ ohm 32 P 22544 y Meg. 32 P 2252 B lok ohm 32 P 22551 1 Meg. 32 P 22536 100K ohm

Any of above
Prices and Specifications are Subiect to Change Without Notice
Net ea. . $74 \quad \begin{array}{r}33 \text { P } 130 \\ 33 \text { P } 130\end{array}$

Any of the above

## ATTACHABLE MIDGETROL SWITCHES



Midgetrol types $U$, UT and UDT-with dummy fer. minal p with built-in switch/circuit breaker, breaks at 2.5 amps, resets by turning to "off" position. ST types rated 6 amps/125V. DT types rated 3 amps $/ 125 \mathrm{~V}$. Shpg. wt. 3 oz .

| Stock No. | M1g. No. | Oescriplion | 1.24 | 25.49 |
| :---: | :---: | :---: | :---: | :---: |
| 33 P 11691 | US-26 | S.P.S.I. | . 42 | . 38 |
| 33 P 14804 | US8-29 | S.P.S.T.t | . 98 |  |
| 33 P 11909 | US-26T | S.P.S.T. | . 51 | 46 |
| 33 P 11917 | US-27 | D.P.S.T. | . 51 | . 46 |
| 33 P 11925 | US-28 | S.P.D.T. | . 51 | . 46 |

DS. 36 Extension Shaft $2144^{*}$ " long $x ~ 1 / e^{"}$ dia. For tubular shaft Midget Controls and 2 -watt wire-wound controls. Shpg. wt. 3 oz . 33 P 11933 (DS.36)
DS-37 K" diameter shaft. For use with round-shaft Midgetrols to accommodate knobs requiring tos shaft. Shpg. wi., 3 oz. 33 P 11941(DS-37)

## PUSH-PULL CONTROLS



# Mallory Controls 

MALLORY PRINTED CIRCUIT MINITROLS
Carbon transistor controls, all Inear taper, rated $1 / 4$ watt. Diameter $i^{\prime}$ ". No shaft. ali open screwdriver slot adiustment $1 / a=30$, bushing. Choice of horizontal or vertical mount. Shpg. wt. 302
Type MTC-1
Type MTC-4

| Res. Ohm | Stach Ma. Vert. Mt. | Steck Me. Mariz. Mt. | Res. <br> Ohtic | Stack No. Vert. Mt. | Stock No. Horiz. Mt. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 100 | 33 P 16379 | 33 P 16650 | 15K | 33 P16510 | 33 p-16791 |
| 200 | 33 P 16387 | 33 P 16668 | 20K | 33 P 16528 | $33 \mathrm{P} \quad 16809$ |
| 250 | 33 P 16395 | 33 P 16676 | 25K | 33 P 16536 | 33P 168 t7 |
| 300 | 33 P 16403 | 33 P 16684 | 50k | 33 P 15544 | 33 P 16825 |
| 500 | 33 P 16411 | 33 P 16692 | 100K | 33 P 16551 | 33 P 16833 |
| 750 | 33 P 16429 | 33 P 16700 | 120K | 33 P 16569 | 33 P 16841 |
| 1000 | 33 P 16437 | 33 P 16718 | 180K | 33 P 16577 | 33 P 16858 |
| 1500 | 33 P 16445 | 33 P 16726 | 250K | 33 P 16585 | 33 P 16866 |
| 2000 | 33 P 16452 | 33 P 16734 | 325K | $33 \mathrm{P} / 6593$ | 33 P 16874 |
| 3000 | 33 P 16460 | 33p16742 | 450 K | 33 P 16601 | 33 P 16882 |
| 5000 | 33 P 16478 | 33 P 16759 | 500x | 33 P 16619 | 33 P 16890 |
| 6000 | 33 P 16486 | $33 P 16767$ | 1 MEG | 33 P 16627 | 33 P 16908 |
| 6800 | 33 P 16494 | 33 P 16775 | 2 MEG | 33 P 16635 | 33 P 16916 |
| 10000 | 33 P 16502 | 33 P 16783 | 3.5 MEG | 33 P 16643 | 133 P16924 |
| Net each . 39 |  |  |  |  |  |

## WIRE WOUND SENSITIVITY CONTROLS



For AGC, hum-balancing, linearity, efc. 3at" diam. For conversion from cross-slot adiustment to shaft, use shafts listed below. Shpr. wt. 30 oz.

MRF 3-WATT FLANGE MOUNT
Mounting ears with $130^{\circ}$ dia. holes on $1^{\circ}$ center. Cross-slot adjustment. front and rear.

| Stock No. | Mfr. No. | Ohmt | Stock No. | Mfr. No. | hms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 16007 | MRGF | 6 | 33 P 16098 | MRG00F |  |
| 33 P 16015 | MR15F | 15 | 33 P 16106 | MR750F | 750 |
| 33 P 16023 | MR4OF | 40 | 33 P 16114 | MR1000F | 1000 |
| 33 P 16031 | MR75F | 75 | 33 P 16122 | MR1500F | 1500 |
| 33 P 16049 | MR100F | 100 | 33 P 16130 | MR2000F | 2000 |
| 33 P 16056 | MR150F | 150 | 33 P 16148 | MR2500F | 2500 |
| 33 P 16064 | MR200F | 200 | 33 P16155 | me 3000 F |  |
| 33 P 16072 | MR250F | 250 | 33 P 16163 | Cile 4000 F | 4000 |
| 33 P 16080 | Mirsoof | 500 | 33 P 16171 | Culs 5000 F | 5000 |

MR-P 3-WATT PC MOUNT
Printed circuit board mounting with cross-slot adjustment, front and rear.

| Stack No. | Mfr. No. | Onms | Stoch Mo. | Mfr. No | Ohms |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 1618y | MR1.SP | 1.5 |  | MR1000P |  |
| 33 P 16197 | MR15P | 15 | 33 P 16254 | MR1500P | 1500 |
| 33 P 16205 | MR100P | 100 | 33 P 16262 | MR3000P | 3000 |
| 33 33 | MR175SP | -175 | 33 P 16270 | MR4000 P | 4000 |
| 33 P 16221 | MR260SP | +260 | 33 P 16288 | MR5000P | 5000 |
| 33 P 16239 | MR600P | 600 |  |  |  |

MRC-P $11 / 2$ WATT PC MOUNT
Convergence controls with printed circuit board mounting and permanent knob.

| Stock No. | Mrs. Mo. | Onm ${ }^{\text {a }}$ | Stock No. | Mfr. No. | Otims |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 16298 | macrop | 10 | 33 P 16320 | MRC10 | 00 |
| 33 P 16304 | ancye | 30 | 33 P 16336 | MRC12d | 120 |
| 33 P 16312 | maceop | 60 | 33 P 16346 | MRC150 | 150 |

With twist-tabs for mounting on PC board or chas

| Stock No. | Mis. Mo. | Ohms | E. | Stach Mo. | Mig. No. | Otmes | Ea. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P14861 | MA10-T | 10 | . 6.6 | 33 P14945 | M $2500-\mathrm{T}$ | 2500 | . 70 |
| 33 P 14887 | Maso-T | 50 | . 66 | 33 P 14952 | MR3000-T | 3000 | . 70 |
| 33 P 14895 | Mn100-T | 100 | . 65 | 33 - 14960 | Mn 4000-T | 4000 | . 70 |
| 33 P 14903 | M $1250-\mathrm{T}$ | 250 | . 66 | 33 P14918 | Mals $000-\mathrm{T}$ | 5000 | . 76 |
| 33 P 14911 | Misioc.T | 500 | . 65 | 33 P 14366 | mateoot-T | 8000 | 76 |
| 33 P 14929 | mincosor | 850 | . 66 | 33 P 14994 | man 10k-T | 10K | . 83 |
| 33 P 14937 | MR 1000-T | 1000 | . 66 | 33 P 14879 | 4.n15K-T | 15K | . 93 |

Mallory No. MRS $12504^{-1}$ dia. $\mathrm{K}^{\text {" }}$ " FMS knurled and slotted nylon. Plugs into elther end of MR control
33 P 16353

# Littelfuse Fuses and Fuse Holders 

## TYPE 3AG STANDARD FUSES

series 312000 ．Quick acting for low time－tag applications such as amplifiers－auto radios．U．L．listed． $11 / 4 \mathrm{Lx}^{2 / 4} 4^{\prime \prime}$ diam．All rated 250 volt except st ame is 125 V ． 5 fuses per package．Shpe．wt．， 3 oz ．

| Stock No． | Amps | $\begin{aligned} & \text { Per } \\ & \text { Pkg. } \end{aligned}$ | $\begin{aligned} & 20 \text { Pkigs. } \\ & \text { Per Pky } \end{aligned}$ | Stoch Mo． | Amps |  | 0 Pkgs． P4 7 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 P 10085 | 4／ | ． 63 | ． 53 | 13 P 10143 | 11／2 | ． 45 | ． 38 |
| 13 P 10101 | 318 | ． 63 | ． 53 | 13 P 10150 | 2 | ． 45 | ． 38 |
| 13 P 10119 | $1 / 2$ | ． 63 | ． 53 | 13 P 10168 | 3 | ． 45 | ． 38 |
| 13 P 10127 | $3 / 4$ | ． 63 | ． 53 | 13 P 10176 | 4 | ． 54 | ． 45 |
| 13 P 10135 | 1 | ． 45 | ． 38 | 13 P 10184 | 5 | ． 54 | ． 45 |
| 13 P 12503 | $11 / 4$ | ． 45 | ． 38 | 13 P 10192 | 6 | ． 54 | ． 45 |

## 3AG STANDARD PIGTAIL FUSES

Series 318000 ．Same as series 312000 above but with pigtalls． 5 tuses per pkg．Shpg wt．， 302.

| Stesk Me． | Amps | Per P社。 | 20 Pkgs Per Plts． | Stech W． | Amp | Per Ag． | $\begin{aligned} & 20 \text { Pkgs. } \\ & \text { Per PKg. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 P 11521 | $3 / 4$ | ． 99 | ． 83 | 13P11554 | 2 | .81 | 68 |
| 13 P 11539 | 1 | ． 81 | ． 68 | 13 P 11562 | 3 | ． 81 | ． 68 |
| 13 P 11547 | 142 | ． 81 | ． 68 | 13 P 11588 | 5 | ． 84 | ． 10 |

## TYPE 3AG SLOW BLOW FUSES

Series 313000 ．High time lag to withstand heavy surges，blows quickly on shorts．Units through 5 amps are rated 125 volts and are UL listed，above 7 amp rated 32 volt． 5 fuses per pkg． $1 \mathrm{y} / \mathrm{LL}$ y／a＊diam．Shpt．Wh． 502.

| Stock No． | Amps | $\begin{aligned} & \text { Per } \\ & \text { Phg. } \end{aligned}$ | $\begin{aligned} & 20 \mathrm{PI} \\ & \text { Per } \end{aligned}$ | Slock No． | Amps | Per PkE． | 20 Plas Per Plig． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13P10259 | $1 / 8$ | 1.36 | 1.15 | 13 P 10416 | $11 / 2$ | 1.29 | 1.08 |
| 13 P 10309 | 1／4 | 1.38 | 1.15 | 13 P 10432 | ， | 1.29 | 1.08 |
| 13 P 10317 | 3／10 | 1.38 | 1.15 | 13 P 10440 | 242 | 99 | ． 83 |
| 13 P 10325 | $3 / 8$ | 1.38 | 1.15 | 13 P 10457 |  | ． 99 | ． 83 |
| 13 P 10341 | $1 / 2$ | 1.38 | 1.15 | 13 P 10465 | 3.2 | ． 99 | ． 83 |
| 13 P 10358 | 6／10 | 1.38 | 1.15 | 13 P 10473 |  | ． 99 | ． 83 |
| 13 P 10366 | 7／10 | 1.38 | 1.15 | 13 P 10481 | 5 | ． 99 | 8 |
| 13 P 10374 | 3／4 | 1.38 | 1.15 | 13 P 10507 |  | ． 99 | 83 |
| 13 P 10382 | B／10 | 1.38 | 1.15 | 13 P 10523 | 10 | 99 | 83 |
| 13 P 10390 | － | 1.38 | 1.15 | 13 P 10531 | 15 | 99 | 83 |
| 13 P 10408 | $1 \mathrm{~V} / \mathrm{a}$ | 1.29 | 1.08 | 13 P 10549 | 20 | 99 | ． 83 |

## TYPE 8AG INSTRUMENT FUSES

Series 361000 ．Designed for high speed action to protect delicate electrical equipment．All rated at 250 volts，except 3 and 5 amp rated 125 volt 5 fuses per phg． $1 L^{2} 1 / \mu^{\prime \prime}$ diam．Shpg．wt．， 3 oz ．

| Stock Mo． | Amps | Per Phe． | 20 Phgs． Per Pla． |  | Stock No． | Amps | Per Phe | 20 pkgs Per Plis |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13P 11356 | 1／100 | 2.49 | 2.03 | 13 | P 11430 | 1 | 45 | ． 38 |
| 13 P 11364 | 1／32 | 2.19 | 1.83 |  | P 11448 | $11 / 2$ | 45 | ． 38 |
| 13 P 11398 | $1 / 4$ | ． 63 | ． 53 |  | P 11455 | 2 | ． 45 | ． 38 |
| 13 P 11414 | $1 / 2$ | ． 63 | ． 53 |  | P 11463 |  | ． 45 | ． 38 |
| 13 P 11422 | 3／4 | ． 63 | ． 53 |  | P 11471 | 5 | ． 45 | ． 38 |

## TYPE 3AB FUSES

Series 314000 ．Steatite enclosed，ARC－Quenching Powder filled fuses． Will not shatter against quick shorts．Medium time－lag．types through
 Shpg．wt．， 301.

| Slock No． | Amps | $\begin{aligned} & \text { Per } \\ & \text { Pkit } \end{aligned}$ | $\begin{aligned} & 20 \mathrm{Pkgs} . \\ & \text { Per Phe. } \end{aligned}$ | Stock No． | Amps |  | $\begin{gathered} 20 \text { Phes } \\ \text { PerPhs } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13P11612 | 2 | 87 | 73 | 13 P 11653 | 10 | 78 | 65 |
| 13 P 11638 | 5 | ． 78 | 65 | 13 P 11679 | 15 | ． 87 | ． 73 |
| 13P11646 | B | ． 78 | 65 | 13 P 11687 | 20 | ． 87 | ． 13 |

## LITTELFUSE AUTO FUSES

307000 Series Medium acting fuses destaned for auto use．Length according to current to guard agalnst over fusing．Alt $1 / 4^{\prime \prime}$ diam． 5 fuses per pleg．Shpg．wi．s 30 oz ．

| Stoch No． | amps | Per PKt． | 20 Phg．Per Phg． |
| :---: | :---: | :---: | :---: |
| 13 P 12263 | 4 | ． 33 | ． 28 |
| 13 P 12289 | 7.5 | ． 33 | ． 28 |
| 13 P 12297 | 9 | .33 | －28 |
| 13 P 12305 | 14 | ． 33 | －28 |
| 13 P 12313 | 20 | ． 33 | 28 |

## AUTO FUSE ASSORTMENT



Universal auto fuse assortment easily stored in glove compartment for emergency use． Fuses for radio，heater，lights，cigar light－ er，air conditioner，windshield wipers，eit． pacted in plastic case， 10 fuses．Assorted value．Shpg．wt．， $30 z$.

Net 1.13
Unlversal auto fuse retainer．Holds fuses with spring loaded action． Just attach wires into circuit and load with a fuse．
13 P 11752 Shpg．wt．， 3 ozs．
Net ． 46

## LITTELFUSE EUROPEAN EQUIPMENT FUSES

Used in European instruments，tape recorders，radios，Hi．Fi equip． ment and Hickok test equipment， $5 \times 20 \mathrm{~mm}$ ．Rated at 250 V ． 5 fuses per pkg．Shpg．wt． 3 oz ．

| Stock No． | Amps | Per Pkg | 20 Piss． Per Pkg． |  |  | $\begin{array}{ll} \text { er } 20 \\ \text { kg. } \end{array}$ | Pkgs． Phg． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Type 271 Standard Fuse |  |  |  | Tvde F212 Standard Fuse |  |  |  |
| 13 P 12107 | $1 / 2$ | 1.50 | 1.25 | 13 P 12131 | $1 / 2$ | 1.50 | 1.25 |
| 13 P 12198 | $11 / 2$ | 1.20 | 1.00 | 13 P 12149 | 8／10 | 1.50 | 1.25 |
| Type T213 | Slow | ow F | e | 13 13 13 12206 | $2^{11 / 4}$ | 1.20 120 | $1.00$ |
| 13 P 12180 | 1 | 1.53 | 1.28 | 13 P12214 |  | 1.20 |  |
| 13 P 12248 | 2 | 1.53 | 1.28 |  |  |  |  |
| 13P12255 | 4 | 1.53 | 1.28 |  |  |  |  |

## SNAP－ON FUSE HOLDER

For fast replacement of pigtall fuses．One slde of dual holder clips on to blown fuse．New fuse fits into other side．Snpg．wt． 402. 13 P 12388 Each 20


LITTELFUSE MOUNTINGS AND EXTRACTOR POSTS
Mounts and fuse holders for every application．＂includes fuse．
Fig． N is 3 AG indicating fuse post．Avg．Shpg．wh， 302 Stock No．Fig．For Fuses Description Net Es．

| 13P11760 | A | 3AG，3AB | Panel mount．screw slot | ． 64 |
| :---: | :---: | :---: | :---: | :---: |
| 13 P 11778 | 8 | 3AG．3AB | Panel mount，finger knob | 64 |
| 13 P 11786 | A | BAG | Panel mount，serew siot | 68 |
| 13 P 11810 | C | BAG | Single fuse，lug terminal | 22 |
| 13P11828 | C | 3AG，3AB | Single fuse screw terminat | 42 |
| 13 P 11844 | D | BAG | Double fuse，fug terminal | ． 40 |
| 13 P 11851 | E | 8AG | Meter－back mtg． | 43 |
| 13 P 11869 | F | 8AG | Below panel mig． | 4 |
| 13 P 11877 | F | 3AG． 3 AB | Below panel mig． | ． 64 |
| 13 P 11885 | $6^{\circ}$ | SFE（9A） | Auto inline fuse retainer | ． 46 |
| 13 P 11893 | ${ }^{\text {c }}$ | SFE（14A） | Auto inline fuse retainer | 46 |
| 13 P 11901 | ${ }^{\text {c }}$ | SFE（20A） | Auto Inline fuse retainer | －46 |
| 13 P11984 | N | 3AG 90－125V | \＃344125 indicating fuse po | ． 02 |

## MINIATURE JAG FUSE EXTRACTOR POSTS

Shortest JAG fuse posts．Test Post hole in knobs．UL listed
Body and knob meet MIL．P．14F type CFG．Rated at 15 amps， 250 volts．Fig．$K$ has straight botiom terminals，behind panel length 11 hm ．Fig．L．M has right angle bottom terminal behind panel length $1 \mathrm{~K}_{\mathrm{L}}$ ．Fig．L has knurled knobs．Fir K，M has fluted knobs．Shpg． wt．， 3 oz．

| Wtock <br> No． | Mft． <br> No． | Fig． | 1.99 | NET EACM |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 100.499 | 500 Up |  |  |  |  |
| 13 P 11927 | 342014 | K | .46 | .38 | .30 |
| 13 P 11935 | 342022 | L | .53 | .45 | .36 |
| 13 P 11943 | 342004 | M | .53 | .45 | .36 |

## BUSS FUSE MOUNTINGS



4408 instruments，etc．Fuses easily replaced．Shipg．wt．， 3 oz.

| Stoch |  |  | Net | Stock |  |  | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No． | Buss | For | Ea． | No． | Buss | For |  |
| 13 P 52029 | HKP | 3AG | ． 47 | 13 P 62045 | 4405 | 3AG | 5 |
| 13 P 62037 | HIM | BAG | 47 | 13 P62052 | 4408 | 3AG | .41 |

## As 15 c DUAL FUSE HOLDER Low 15 WITH CLEAR PLASTIC COVER LOTS OF 10

Dual fuse holder for popular 3AG，3AB，and gaG fuses with durable，clear plastic，pro－ tective cover．Rated 250 volts 3 amps．Has right angle bottom solder terminals．Im． ported．
99 P 63372 Shpg．wt． 2 oz．Ne1 Each 18
Lots of 10，Net Each ． 15

# Belden Wire For Microphones-Intercom-P.A. Sound 



## SINGLE CONDUCTOR HIGH IMPEDANCE MIKE CABLE

Shielded single conductor cables. No. 25 tinned stranded wire; $\mathbf{3 x} 33$ copper and $4 \times 33$ copper. weld tinned, cellulose yarn braid, polyethylene insulated, tinned copper braid shjeld, chrome. vinyl jacket. Type 8410 has rubber insulation and black rubber jacket. Avaliable only in engths listed below

| Beld. No. | Out Diam. | $\begin{aligned} & \text { wt. } \\ & 100^{\prime} \end{aligned}$ | 15 Ft. Spool |  | 25 ft. Spool |  | 50 FL . Spoal |  | 100 Ft . Spool Stock No. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8411 | .144* | 2 Ib . | 32 P 13071 | 1.17 | 32 P 13089 | 1.65 | 32 P ${ }^{\text {P }} 3097$ | 2.61 | 32 P 13105 | 4.95 |
| 8401 | . $200^{\circ}$ | 3 tb | 32 P 13113 | 1.44 | 32 P 13121 | 1.92 | 32 P 13139 | 3.39 | 32 P 13147 | 6.30 |
| 8410 | 245" | 41/4 lb. |  |  | 32 P 13162 | 3.60 | 32 P13170 | 6.39 | 32 P 13188 | 11.90 |

## 2-CONDUCTOR LOW-IMPEDANCE MINIATURE AND STD. MIKE CABLES

All cables shielded. Miniature types 8420 and 8413 both No. 24 stranded tinned. 8420 has polyethylene insulation and chrome vinyl jacket. 8413 rubber insulation and black rubber jacket. Stranded types: 8422 is 22 stranded tinned, poly insulation and chrome vinyl jacket: 8412 No. 20 stranded tinned, rubber insubation and black rubber jacket: 8402 same as 8412 but brown hypaion lacket; 8428 is heavy duty No. 18 stranded tinned, back Neoprene jackel tor studio use. Available only in length listed below.

|  | Dt | $\begin{aligned} & \text { WK. } \\ & 100^{\circ} \end{aligned}$ | 15 ft. Spool Stock No. Net |  | 25 Ft. Spool Stock No. Net |  | So Ft, Spool Stock No. Net |  | 100 Ft . Spool Stock No. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8420 | 185 | 1/4 tb | 32 P 13196 | 2.04 | 32 P 1320 | 3.06 | 32 P 132 | 4.6 | 32 P 13220 |  |
| 8413 | $190^{\circ}$ | 3 lb . | 32 P13238 | 2.46 | 32 P 1324 | 3.69 | 32 P 13253 | 6.9 | 32 | 12 |
| 422 | . $2311^{\prime \prime}$ | 4 $4 / 4 \mathrm{lb}$ | 32 P13279 | 1.80 | 32 P 1328 | 2.76 | 32 P 13295 | 5.1 | 32 |  |
| 12 | . 268 | , |  |  | 32 P 1332 | 3.87 | 32 P1333 | 7.0 |  |  |
| 8402 | . $268{ }^{*}$ | 61/4 |  |  |  |  |  |  | 32 P 15399 |  |
| 8428 | . 295 | \% 1 |  |  |  |  |  |  | 32 P 133 |  |



## SHIELDED CABLES FOR PA AND INTERCOM

## 2 CONDuCTOR-TWISTED PAIR-Shielded Cables

All have stranded tinned copper conductors except No. 8739 is solid. Each conductor has vinyl insulation except - has polyethelene. Shielding: types marked : have aluminum. polyester shield with stranded tinned ground wire; types marked thave tinned copper braided shield; types marked $\Delta$ have tinned copper spirat wrapped shield
Alf have overall chrome vinyl jacket except * have no outer jacket over shield

| Belo. Mo. | Cauge | 0.D." | $\begin{aligned} & \text { Lbs. } \\ & 100 \mathrm{ft} \text {. } \end{aligned}$ | $\begin{aligned} & 100 \mathrm{Ft} \\ & \text { Stock No. } \end{aligned}$ | $\begin{aligned} & \text { Spool } \\ & \text { Net } \end{aligned}$ | $\begin{aligned} & 250 \mathrm{Ft} . \\ & \text { stoch No. } \end{aligned}$ | pool Net | $\begin{aligned} & \text { s00 FR. } 51 \\ & \text { stock No. } \end{aligned}$ | ool Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $8739 \triangle$ | 22 | . 160 | 21/2 | 32 P 13519 | 4.56 |  |  | 32 P 15407 | 19.35 |
| $8737 \triangle$ | 22 | . 170 | 2发 | 32 P 13527 | 4.80 | 32 P 15415 | 10.65 | 32 P 15423 | 21.25 |
| $8759 \triangle$ | 20 | . 195 |  | 32 P 13535 | 6.00 |  | - | 32 P 15431 | 25.00 |
| $8790 \triangle$ | 18 | 231 | 43.4 | 32 P 13543 | 7.65 | 32 P15449 | 16.50 | 32 P 15456 | 33.00 |
| $8780 \triangle$ | 16 | 266 | 53 | 32 P 13550 | 9.60 | 32 P1544 | 16.50 | 32 P 15464 | 42.75 |
| $8761{ }^{\circ}$ | 22 | . 167 | 2 |  | - |  | - | 32 P 15472 | 17.55 |
| $8762^{\circ}$ | 20 | . 196 | 3 | 32 P 13576 | 5.33 | 32 P 15480 | 11.05 | 32 P 15498 | 22.10 |
| $8760^{\circ}$ | 18 | . 222 | 3 |  | - | 32 P 15506 | 13.30 |  |  |
| 8758 | 20 | . 165 | 174 | 32 P13600 | 5.85 |  | , 30 |  |  |
| 8779 . | 16 | . 225 | 4 |  | - |  | - | 32 P 15548 | 44.65 |

## VINYL COVERED MULTIPLE UNPAIRED CABLE

All conductors No. 22 unshielded stranded tinned copper except * include two No. 18 conductors. Each conductor vinyl insulated cabled. Chrome vinyl facket overall. Available only in sizes listed below


| Belden |  | $\begin{aligned} & 105 \\ & 100 \end{aligned}$ |  |  |  | 25 fl Spool |  |  | $100 \mathrm{ft}$. Spool |  | 250 Ft. Spool |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 0.0 |  | stk. No. |  | Stik. No. | Net |  | Stit. No. | Net | Stk. No. | Net |
| 8443 | 3 | . 150 | 21/4 |  |  | 32 P 14244 | 1.40 |  | P14525 | 3.66 | 32 P 15902 | 7.31 |
| 8444 | 4 | 168 | $24 / 2$ |  | - | 32 P 14251 | 1.59 |  | P14533 | 4.83 | 32 P 15910 | 9.98 |
| 84.55. | 5 | . 180 | , |  |  | 32 P 14269 | 1.83 |  | P14541 | 5.58 | ${ }_{32} \mathrm{P}$ P 15928 |  |
| $8446^{\circ}$ | 6 | . 222 | 41/4 | 32 P 14277 | . 03 |  |  |  | P14558 | 8.30 | 32 P 15936 | 18.30 |
| $8447^{\circ}$ | 7 | . 246 |  |  |  |  | - |  | P14566 | 9.60 | 32 P 15944 |  |
| $8448^{*}$ | 8 | . 250 | 53/4 | 32 P 14285 | 2.07 |  |  | 32 | P14574 | 10.26 | 32 P 15951 | 23.25 |
| 8449' | 9 | . 261 | 64/4 | 32 P14293 | 2.25 |  | - |  | P14582 | 10.95 | 32 P 15969 | 25.10 |
| 8456 | 10 | . 260 | 5\% |  |  |  |  |  | P14988 | 10.80 | - P 1s96 |  |
| 8457 | 12 | . 260 | 5\% |  |  |  |  |  | P 14970 | 12.15 |  |  |
| 8458 | 15 | . 320 | 83/4 |  |  |  | - |  | P 14947 | 20.55 |  |  |
| 8459 | 25 | . 370 | 1134 |  | - |  |  |  | P14954 | 31.50 |  |  |

## SHIELDED SOUND-PA-INTERCOM CABLE



BELOEN 8208. 2 conductor No. 18 tinned stranded copper. twisted pair, rubber insulated, braided tinned copper shield chrome vinyl jacket overall 0.0. 255"'. Shpg. wi., $100^{\circ}$, 4 lbs. BELOEN B735. 3 conductor No. 22 tinned stranded copper vinyt insulated, cabled, tinned copper braid shield chrome vinyl jacket overall. 0.0. 199". Shpg. wt.. $100^{\circ}$. 5 los.

| Belden No. | 15 Ft. Spoof |  | 50 Fl Spool |  | 100 ft Spool |  | 500 Ft. Spool |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8 |  |  |  | - | 32 P 13808 | 9.90 | 32 P 15621 |  |
| 8735 | 32 P13865 | 1.47 | 32 P13873 | 3.90 | 32 P 13881 | 6.75 | 32 P 15639 | 20 |

## 3-CONDUCTOR CABLES FOR PA AND INTERCOM

SHIELOED CABLES

All have 3 conductors, Type 6771 has cabled No. 22 stranded tinned copper con ductors with polyethelene insulation, alumi num-polyester shield, stranded tinned copper No. 22 ground drain wire and overall chrome vinyl jacket. 0.0. is . $175^{\circ "}$. Type 8791 is same but with 18 Rauge conductors, viny insulation. tinned copper wrapped shield and no ground wire. 0.0 . is 236
stock No. No. Gauge feet Lbs. Nel $\begin{array}{lllll}32 \text { P15647 } & 8771 & 22 & 250 & 61+11.05\end{array}$ 32 Pi5688 $8791 \quad 18 \quad 100 \quad 6 \quad 9.36$ $\begin{array}{llllll}32 & P 15696 & 8791 & 18 & 500 & 244 / 41.80\end{array}$

## UNSNIELOED CABLES

Alt are 3 -conductor solid *19 copper, vinys insulated and cabled. $8 \$ 87$ has chrome viny outer lacket. 8483 has no jacket. Shpg. wt $21 / 2 \mathrm{lbs}$. per 100 ft

| Stock No. | Beld. | $0 . D$ | Feet | Net |
| :--- | :--- | :--- | :--- | :--- |
| $32 \bar{P} 15704$ | 8487 | .180 | 500 | 19.50 |
| 32 P 15712 | 8483 | .132 | 100 | 3.90 |

## SPECIAL INTERCOM AND P.A. CABLES

BELOEN 6734. 3 conductor No. 22 stranded tunned copper with vinyl insulation. 1 conductor with tinned copper brald shield. 2 un shielded. cabled with overall chrome vinyl jacket. 0.0. $194^{* *}$. Shpg. wt.. per $100^{\circ}, 3$ lbs. 32 P13972 100 ft . spool Net 6.15

BELDEN 8732. 4 conductors No. 22 stranded inned copper with polyethylene insulation 2 conductors with tinned copper braid shield 2 unshielded. Chrome vinyl jacket overall Oval shape 0.0. $188^{* *} \times .296^{\circ}$. Shpg. wt $100^{\circ} .31 / 2 \mathrm{lbs}$
32 P 13998100 1t. spool Net 7.73 32 P 15753 500 ft. spool Net 32.65

## SHIELDED PHONO PICKUP 

BELOEN TYPE 431. Extremely limp and fles tble. No. 24 stranded (16x36) tinned copper rubber covered, tinned copper braid shield brown cotion braid facket, only in lengths listed below. Shpr. wt. 100 ft .. Hilb
32 P14020 15 It. coil Net each 1.26 32 P14038 25 ft . coil Net each 1.65 32 P 14046 to0 ft. coil Net each 5.25

## high voltage lead

## 

BetoEn 8866 high woltage lead with No. 18 stranded linned copper polyethylene insula. tion. Reduces corona. Long. life construc tion. Vinyl facket. 0.0. 208." Working volt are. sokv. Only in lengths listed below Shpe. wt. 23/4 lbs. 100 It
32 Pi7064 25 t1. spool
Net 2.31
32 P17072 100 ft. spool
Net 6.53
TINNED BUS BAR WIRE $\equiv$
Solid tinned copper bus-bar wire. Especially for use where high current conductor is needed as in power plants, ground wire, switchboards and point to point wiring.

| Beldon No. | AWG | 0.0. | $\begin{array}{ll}  & 100 \\ \text { Stock No. } \end{array}$ |  | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 8022 | 24 | . 020 | 32 P 15183 | 4 | 98 |
| 8021 | 22 | . 025 | 32 P15209 | 6 | 1.01 |
| 8020 | 20 | . 032 | 32 P15225 | 8 | 1.19 |
| 8019 | 18 | . 040 | 32 P15241 | 10 | 1.59 |
| 8013 | 16 | . 050 | 32 P 15266 | 15 | 2.24 |
| 8012 | 14 | . 064 | 32 P 15282 | 26 | 3.36 |
| 8011 | 12 | . 080 | 32 P i5308 | 40 | 5.04 |

# Belden TV, Intercom and P. A. Wire 

## euprom

beLDen duofoil 75 OHM COAX
Belden 8228. Low loss $100 \%$ shielded, $75 \mathrm{ohm}, 100 \%$ sweep tested coaxial cable for 82 channel VHF/UHF color or black and white TV reception. No. 18 solid bare copper conductor with low loss poly. ethylene insulation. Shielding is polyester film with aluminum lamination on both surfaces. Has 4 No. 28 solid tinned copper-weld drain wires spirally wrapped. Overall PVC black all weather jacket is only $.242^{\circ} \mathrm{OD}$. Only In lengths listed below.
32 P 17411
$100^{\circ}$ Shpg. wt., $33 / 4 \mathrm{Jbs}$.
$500^{\circ}$ Shpg. wt., $153 / 4 \mathrm{los}$.
Net 6.75 32 P. 17403

Net 22.40

## COILED MICROPHONE AND TELEPHONE CORDS

Have insulated cadmium bronze conductors except * has 5 strands tinned copperwetd and 16 strands tinned copper. Microphone cables have black neoprene jacket except has gray vinyl: telephone cables, black vinyl jacket. Type 8499 and 8605 shielded; type 8497 . ${ }^{1}$ shielded and 2 unshielded conductors, all others unshielded. Tele phone cables have spade terminals and strain relief. Shpg. wt., $1 / 2 \mathrm{lb}$. Stock Belden Extends

| No. | No. | Cond. Type | From | To | Net |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 14236 | $8415 *$ | 4 | Mic | $111 / 2^{\prime \prime}$ | $6^{\circ}$ | 1.64 |
| 32 P 15084 | $8497^{\circ}$ | 3 | Mic | $111 / 2^{\circ}$ | $6^{\circ}$ | 1.77 |
| 32 P 15092 | 8499 | 1 | Mic | $712^{\prime \prime}$ | $4^{\circ}$ | 1.20 |
| 32 P 17395 | 8605 | 1 | Mic | $2112^{\circ}$ | $12^{\circ}$ | 1.80 |
| 32 P 15118 | 8495 | 3 | Tel | $10^{\circ}$ | $41 / 2^{\circ}$ | 1.65 |

## BELDEN TEST PROD WIRE

Extremely flexible. limp rubber covered hi-voltare lead. No. 18 stranded, tinned, cotton wrap. 8899 for 5000 working volts. 8898 for 10,000 working volts. In red or black. Shpg. Wi., 100 ft ., $4 / 4 \mathrm{lbs}$. Belden 10 Ft . Net 5 sth. No 25 Ft. Net sth. No. Ft. Net
No.

 $\left.\begin{array}{llllllll}8898 \\ 81 k & 32 & \text { P } 17304 & 1.23 & 32 & \text { P } 17320 & 2.28 & 32\end{array}\right) 17346$

## VINYL COVERED MULTIPLE PAIRED CABLE

For balanced line intercom system and telephone willing. Unshielded $\$ 22$ solıd tinned copper conductors, vinyl insulated, cabled in pairs. chrome vinyl outor jacket. Available only in lengths Ilsted below.

| Belden No. | No, of Conds. | $\begin{aligned} & 0 . D \\ & \text { in. } \end{aligned}$ | $\begin{aligned} & \text { bs. } \\ & \$ 00^{\circ} \end{aligned}$ | $100 \mathrm{ft} .$ <br> Stock NO. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 8740 | 2 | . 150 | 2 | 32 P 13741 | 2.82 |
| 8741 | 4 | . 201 | 3 | 32 P 15787 | 4.68 |
| 8742 | 6 | . 240 | 374 | 32 P 15803 | 6.12 |
| 8743 | 12 | . 305 | $63 / 4$ | 32 P 15829 | 10.05 |
| 8744 | 18 | . 354 | 834 | 32 P 15845 | 14.85 |
| 8754 | 26 | . 409 | $111 / 4$ | 32 P 15860 | 21.00 |

## UNSHIELDED 2 CONDUCTOR TWISTED PAIR SPEAKER AND INTERCOM CABLE

GELDEN 8205. 2 conductor No. 20 stranded tinned copper, vinyl insulated cabled with overall chrome vinyl jacket. 0.0. 190" Shpg. wt., $100^{\circ}, 2$ lbs. Lengths availatile anly in sizes listed below.
32 P 14202100 ft . spool
Net 3.83
32 P 17056500 ft . Spool
Net 14.10

## 2-CONDUCTOR-TWISTED PAIR-UNSHIELDED

All have tinned stranded copper conductors except - are solid copper. Types with t have chrome vinyt jacket overall, others without jacket. All conductors have vinyl insulation. Avallable only in lengths listed below.


## BELDEN 9090 METRO COLOR AND 9085 MAXI COLOR TV LEAD-IN WIRE

## 9090

9085
9090 metao colon shielded lead in wire provides finest color, black/white, and FM reception in high interterence metropolitan areas. Eliminates ghost signals, electrical and automotive ignition noises and assures sharper, more pleasing color viewing. Shpg. wh., $31 / 2 \mathrm{lbs}$. per 100 ft .
32 P 1742950 ft . Net $4.95 \quad 32$ P 17445100 ft . Net 7.80 32 P 1743775 ft Nel $6.30 \quad 32$ P 17452500 ft . Net 34.90 9085 MAXI COLOR Delivers superior color, black/white, and FM re. ception in low-interference suburban areas. Provides more signal to the receiver under adverse environmental conditions. Shps. wt. $41 / 2$ los. per 100 ft
32 P 1746050 ft . Net $2.18 \quad 32$ P 17486100 ft . Net 3.50 $32 \mathrm{P} 17478 \quad 75 \mathrm{ft}$. Net $2.80 \quad 32$ P 17494500 ft . Net 14.65

## BELDEN 8290 SHIELDED PERMOHM 300 OHM COLOR TV LEAD-IN



Designed for 82 channel color TV receptlon, 8290 Permonm combines the strong signal strength of twin-line with the clean signal of shielded cable. Shielded to eliminate ignition and other interference caused by line plck-uaweatherproof. Shpg. wi., 6 lbs. per 100 It. Avallable only in tengths listed below.
32 P 1535750 ft . Net $6.10 \quad 32 \mathrm{P} 15373100 \mathrm{ft}$. Net 10.40 32 P 1536575 ft Net $8.25 \quad 32$ P15977 500 ft . Net 49.10

## BELDEN 300 OHM TWIN LEAD

## 300 OFM



Type 8225. Fig. A. for TV and FM antennas, Low loss polyethylene insulation, stranded No. 20 ( $7 \times 28$ ). Shpe. wt., 100 ft .2 lbs.
$\begin{array}{lllllll}32 & \text { P } 14061 & (50 \mathrm{ft}) & 1.34 & 32 \mathrm{P} 14079 & \text { (75 ft.) } & 1.76\end{array}$ 32 P 14087 (100 f1.) $\quad 2.18 \quad 32$ P 15985 ( 250 ft. ) $\quad 5.37$
Type 8235. Fig. B. Low loss 300 ohm line for UHF or VHF TV an. tennas and for amateur transmitting and receiving- Twin lead rated KW(RF). Resists oxidation and sun; made with $100 \%$ virgin poly. ethylene web. 18 gauge ( $7 \times 26$ ) stranded.
32 P 14103 (100 ft.) Shpg. wt., $43 / 4 \mathrm{lbs}$.
Type 8230. Fig. A. "weidohm" copper coated steel wire. Polyethylene insulation. Almost tivice as strong as plain copper. Perfect for long Iuns. Stranded No. 20 ( $7 \times 28$ ). Shpr. wi. 100 ft .2 lbs. 32 P 14129 ( 50 ft ) $\quad 1.43 \quad 32$ P 14137 ( 75 ft .) 32 P 14145 ( 100 ft ) $\quad . . . \quad 2.37 \quad 32 \mathrm{P} 15993$ (250 ft.)
Type 8285. Fir. C. Encapsulated in low loss cellular polyethylene, Delivers strong signal on all channels VHF or UHF. A must for color TV. 2 Conductor 22 ( $7 \times 30$ ) stranded copper weld conductors. Shpg. wt., 4 lbs. per 100 ft .

32 P14160 (50 ft. $\quad 3.08 \quad 32$ P14178 (75 ft.) 4.08 | 32 P 14160 | $(50 \mathrm{it})$ | 5.25 | 32 P 11015 | $(250 \mathrm{ft})$ | 12.45 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## CONSOLIDATED 3-WAY <br> ANTENNA SYSTEM <br> - Makes Any of 3 <br>  <br> Marconi And Doublet Systems ${ }^{2}$

Uniquely designed set of parts for construction of any of 3 types of short and long wave antennas. All parts supplled for elther a doublet. double doublet, or inverted $t$ antenna system. Contains 100 ft . bare aerial wire, 50 ft . twisted insulated transmission line, 4 insulators, 2 screw eyes, doublet lightning arrestor, window leadin strlp, ground clamp and complete instructions. Shpg. wt., $31 / 4 \mathrm{lbs}$. in strip, ground clamp and complete instructons. Snp. Net 5.95
CONSOLIDATED ANTENNA KIT
235
Ideal for small crystal, diode and transistor broadcast, and shortwave sets. $50 \mathrm{ft}, 7 \times 26$ bare copper aerial wire, 25 ft . rubber covered lead-in wire, 10 -in. window lead-in strlp, 2 antenna and 2 stand-off insulators. Simple printed instructions. Shpg. wt., $11 / 4 \mathrm{lbs}$, 32 P30984

## RG LOW-LOSS COAXIAL CABLES

Excellent for RF, amateur and cilizens band applications. All branded with standard type numbers and meet requirements of RG cables on quallified products list of U.S. Government. $0 . D .: R G-8 / 8 U$, RG-11/U.
RG-11NU $.405^{*} ; R G-58 / U, R G-58 A / U .195^{*} ; R G-59 / U .242$. MMF/FT.

RG-8/U 29.5; RG-11/U 20.5; RG-11A/U 20.5; RG-58/U 28.5; RG-58A/ 29.5. RG-59-U 21. Avallable only in lengths listed below. Average shpg. wt., per 100 it ., 12 lbs

| AC Type | 1 mp . 0hms | $\begin{aligned} & 50 \mathrm{Ft} \text {. } \\ & \text { Stock } \mathrm{No} \text {. } \end{aligned}$ | Net | 100 Ft . Length <br> Stock No. |  | 250 Ft. Lenctiss |  | $\begin{aligned} & 500 \text { FL. Le } \\ & \text { Stock No. } \end{aligned}$ | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| RG.8, U | 52 | 32 P 17080 | 0.70 | 32 P 30315 | 16.30 | 32 P 17098 | 34.80 | 32 P 30323WX | 64.80 |
| RG-11/U | 75 |  | - | 32 P 30349 | 14.10 | 32 P17114 | 33.00 |  |  |
| RG-58/U | 53.5 | 32 P17122 | 3.21 | 32 P 30364 | 5.64 | 32 P17130 | 12.15 | 32 P 30312WX | 20.70 |
| RG.58NU | 50 | 32 P 17148 | 3.51 | 32 P 30224 | 6.60 |  |  | 32 P 30232 WX | 23.70 |
| RG-59/U | 73 | 32 P17155 | 3.90 | 32 P30398 | 6.90 | 32 P17163 | 15.45 | 32 P 30406WX | 23.90 |

## STEREO PHONO mance PICKUP WIRE

Entremely flexible, lightweight wire for all stereo cartridges and tone arms. No. 32 stranded 2,3 and 4 conductor twisted miniature color coded cables. Low hum and noise pickup for best stereo performance. Shpg. wt., 10 Ft .. 3 oz.: 25 Ft ., 502.

UNSHIELDED WIRE

| Cond. | 10 Ft. Spool |  | 25 Fi. spool |  |
| :---: | :---: | :---: | :---: | :---: |
| 2 | 32 P 31263 | 63 | 32 P 31271 | . 81 |
| 3 | 32 P 31289 | . 72 | 32 P 31297 | . 6 |
| 4 | 32 P 31305 | 90 | 32 P 31313 | 1.8 |

## SHIELDEO WIRE

- Individually shielded conductors

| 2 | 32 P 31321 | .66 | 32 P 31339 | 1.61 |
| :---: | :---: | :---: | :---: | :---: |
| 3 | 32 P 31347 | 1.08 | 32 P 31354 | 1.79 |
| 4 | 32 P 31362 | 143 | 32 P 31370 | 2.33 |
| 2* | 32 P 31388 | 1.08 | 32 P 31396 | 2.18 |

## MAGNET WIRE

Finest quality. Available in plain enamel or heavy FORMVAR insulation. See FORMVAR listing for
 approx. footage per 16 .
Available in $\mathbf{1 / 2}$ ib. spoois only. Shpg. wt., $3 / 4 \mathrm{lb}$.

## PLAIN EMAMELEO $1 / 2$ LE. SPOOLS

| $\overline{B E S}$ <br> Size Stock No. |  | B Sire Stock No. |  |
| :---: | :---: | :---: | :---: |
| 1432 P 31586 | 1.32 | 2832 P 30711 | $1 . \overline{86}$ |
| 1632 P 30596 | 1.37 | 3032 P 30737 | 1.93 |
| 1832 P 30612 | 1.50 | 3232 P 30752 | 2.00 |
| 2032 P 30638 | 1.55 | 3432 P 30778 | 2.20 |
| 2232 P 30653 | 18.60 | 3632 P 30794 | 2.55 |
| 2432 P 30679 | 1.67 | 3832 P 30810 | 2.99 |
| 2632 P 30695 | 1.76 | 4032 P 31602 | 3.51 |
| HEAVY FORMVAR IN 1 LB, SPOOLS |  |  |  |
| Stock No. B | BLS Sir | Feet | Wet |
| 32 P 30828 | 14 | 78 | 2.20 |
| 32 P 30836 | 16 | 124 | 2.23 |
| 32 P 30844 | 18 | 198 | 2.32 |
| 32 P 30851 | 20 | 313 | 2.43 |
| 32 P 30869 | 22 | 501 | 2.53 |
| 32 P 30877 | 24 | 798 | 2.71 |
| 32 P 30885 | 26 | 1200 | 2.86 |
| 32 P 30893 | 28 | 1999 | 3.20 |
| 32 P 30901 | 30 | 3200 | 3.39 |
| 32 P 30919 | 32 | 4900 | 3.93 |
| 12 P 30927 | 34 | 7950 | 4.13 |
| 32 P 30935 | 36 | 12,800 | 4.78 |
| 32 P 30943 | 38 | 20,000 | 6.15 |
| 32 P 30950 | 40 | 31.700 | 9.39 |

Shpg. wt., 1 1/2 lbs.

## BARE NICKEL

 CHROMIUM WIREFor electrical heating appliances and devices whose operating temperatures do not exceed $1850^{\circ} \mathrm{F}$. Ideal for compact resistance re quired of heavy duty rheostats and controls i/4 ib. spools. Shpg. wt., 7 oz .
Stit. No. Size Net Sth. No. Size Net
$\begin{array}{lllllll}31404 & 14 & 3.44 & 32 P & 31479 & 20 & 5.08\end{array}$

$\begin{array}{lllllllll}32 & P & 31412 & 16 & 3.53 & 32 & P & 31487 & 30 \\ 3.41\end{array}$ $\begin{array}{llllllll}32 & \mathrm{P} & 31420 & 18 & 3.64 & 32 & \mathrm{P} & 31495 \\ 32 & 5.79\end{array}$ | 32 | P | 31438 | 20 | 3.74 | 32 | P | 31503 | 34 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | | 32 | $P$ | 31446 | 22 | 3.95 | 32 | $P$ | 31511 | 36 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 32 | 7.65 |  |  |  |  |  |  |  | | 32 | P | 31453 | 24 | 4.30 | 32 | P | 31529 | 38 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 32 | 9.72 |  |  |  |  |  |  |  |

These polyfoam coaxlal cables have basically similar constructional and physical specifications as the standard cables bearing the same RG number. Lower attenuation and capacitance result in signal strength increases up to $35 \%$. 75 ohm cables are for TV and FM use while 50 ohm cables are ideal lof amateur radio and CB. Available only in lengths listed

RG-11/U 75 ohm coax feeder with non-peaking attenuation characteristics. Ideal for distribution tead.in. ShDg. wt. 103 il ibs. 32 P 31214100 ft . Coil $\quad$ Net 16.25 RG-59/U 72 ohm coax cable tor improved FM and TV reception. Minimizes noise, ghosts and color smears. Recommended for color and color smears. Rec
1 V . Shpr. wt.. $31 / 4 \mathrm{lbs}$ 32 P 31248100 ft . coil

## RUBBER JACKETED SERVICE CORDS <br> DS

U.L. listed, rubber sheathed service cord. Each stranded copper conductor has color coded rubber insulation, cotton wrapped with tough outer rubber fachet. Ideal for electronics equipment, household apporances, garden and power tools. SV for light appliances: SJ for medium appliances. Rated 300 volts maximum. Available only in lengths shown below. Average wt., per $100 \mathrm{ft}, 63 / 4 \mathrm{ib}$

| $\begin{aligned} & \text { U.L. } \\ & \text { TYpe } \end{aligned}$ | Size | No. Cond. | 25 Fe. Spool |  |  | Net | 50 FL. Spool |  | 100 Ft Spool |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 0.0. | Amps | Stock No. |  | Stock Mo. | Net | Stock Na . | Net |
| SV | 18 | 2 | .250" | 5 | 32 P 30992 | 1.76 | 32 P 31008 | 3.29 | 32, P 31016 | 5.9 |
| SJ | 16 | 2 | .340 " | 7 | 32 P 31024 | 2.81 | 32 P 31032 | 5.09 | 32 P 31040 | 8.99 |
| 51 | 18 | 3 | .345" | 5 | 32 P 31057 | 2.99 | 32 P 31065 | 5.27 | 32 P 31073 | 10.0 |
| SJ | 16 | 3 | .375" | 7 | 32 P 31081 | 4.04 | 32 P 31099 | 7.72 | 32 P 31107 | 13.9 |

## THERMOPLASTIC HOOK.UP WIRE

Convenient spools of plastic insulated wire. Shpg. wt., 25-5 oz.; 100 $1 / 4 \mathrm{Jb}$


## BELL WIRE

No, 18 solid. 2 conductor twisted palr. Plas the insulated. Shpg. wt. $17 / 4 \mathrm{lb}$, per 100 32 P 36288100 tt, coil Net 2.90 32 P 36296500 ft . coil

Net 2.90
Net 13.75

## BELDEN COPPER BRAID

Flexible tinned copper braiding. Size is oval 1.0. except is flat width. Shipg. wt., per 50 ft ., is 2 los

| $\begin{aligned} & \text { Sizi } \\ & 10^{\circ 0} \end{aligned}$ | 10 ft Spoon |  | 50 FR. Special Stock No. He |  |
| :---: | :---: | :---: | :---: | :---: |
| 名 | 32 P 14301 | 96 | 32 P 14368 | 2.88 |
| \% | 32 P 14319 | 1.34 | 32 P 14376 | 3.96 |
| ${ }_{6}$ | 32 P 14327 | 1.44 | 32 P 14384 | 4.89 |
| $1 / 2$ | 32 P 14.335 | 1.32 | 32 P 14392 | 4.56 |
| 56 | 32 P 14343 | 2.31 | 32 P 14400 | 9.84 |
| \% ${ }^{\text {\% }}$ | 32 P 14350 | 3.15 | 32 P14418 |  |

RG $8 / \mathrm{U} .50 \mathrm{ohm}$ impedance cable with minimum signal loss and stray radiation for increased antenna system efficiency. Shpg. wt. 57s lbs
32 P 30463100 tt . coil
Net 16.30 RG-58.U. 53.5 ohm impedance cable with low loss and increased operation range for use in CB and amateur radio. Shpg. wt. 23 h tos. 32 P 31180100 ft . coil Shpr. Wt. Net 6.00

## $-$

$\square$ $-$

# Antenna Wire - Guy Wire - Speaker and Zip Cord 

## ATHT UHF.VHF OPEN LINE

300 OHM. Attenuation averages only 1.9 db over entire UHF band. No. 18 copperweld wire-pure polyethylene separators spaced at $6^{\prime \prime}$. Spaced only $1 / 2^{\prime \prime}$ between conductors. Shpg, wt., 2 lbs, per $100^{\circ}$. Available only

In lengths listed below.
32 P 36106100 ft . coil 32 P 36114250 ft coil 32 P 36122500 ft spool 450 OHM. Similar to above. $1^{\text {" }}$ spacing between conductors.
32 P $36130 \quad 100 \mathrm{ft}$. coil
32 P 36148250 ft . spool
32 P 36155500 ft . spool
32 P 36155500 ft spool

## " <br> 300 OHM TWIN LEAD

8ROWN. High quallty. low-loss lead in for all TV and FM insiallations, 55 mil polyethy. lene dielectric- 22 gauge copper leads, Only in lengths IIsted below. Shpg. wL, 1 to. per 100 ft .
32 P $89121 \quad 100 \mathrm{ft}$. coil ..... Net 1.59 32 P 89139500 ft . coil ..... Net 6.85 32 P 89147 1,000 ft. coil .... Net 12.81 CLEAR. Same as above but clear for a better blend with base boards
32 P 89154100 t1. spool .. Net 1.68 32 P 89162500 ft . spool Net 7.51 32 P 89170 1,000 ft. spool .... Net 14.11

## HEAVY DUTY

300 ohm brown iwin lead with 80 mil thick polyethyiene insulation and 20 gauge copper conductors. Shpg wt. $1 \frac{1 / 4}{} \mathrm{jbs}$. per 100 ft . 32 P 89188100 ft . coll ........ Net 1.99 32 P 36452 1,000 ft. coil Net 16.95

## - 3 anter

## ROTATOR CABLES

4 conouctor flat. Fiexible stranded No. 20 copper encased in tough plastic insula. tion. Shpg. wt. $21 / 2$ bs. per $100^{\circ}$ coil. 32 P 89105100 ft. coil ....... Net 3.40
4 CONQUCTOR ROUNO hEAYY OUTY. BeIden 8489. All 18 gauge stranded flexible conductors, plastic insulated and jacketed. $53 / 4 \mathrm{lbs}$. 32 \& 17106100 ft . coil

5 CONOUCTOR Flat. Same construction as 4 -cond. flat. Shpg. wt. $23 / 4 \mathrm{lbs}$
32 P 36312 per 100 ft.
Net 4.72
8 CONOUCTOR ROUNO. Beiden 8488, No. 22 stranded copper conductors. Vinyl insulated, vinyl facket. In 100 ft . colls only.
32P 14863 Shpg. wi., 37/4 lbs. Net 6.75
g conductor rouno meavy duty. Belden 8448. Similar to above but 2 conductors are 18 gauge. 100 ft . coil.
32 户 14574 Shpg. wt., $5 \%$ bs. Net 10.26

$\square$COPPERWELD TWIN LEAD

- Guaranteed for Life of Your Antenna Guarantee: If this deluxe 300 ohm line fails to last the life of your antenna we will replace it at no charge. 20 Gaure Copperweld (copper clad steel) conductors with finest brown polyethylene insulation. Chem. lcally protected against deterioration. Special "waste free" dispenser oackare. Shpg $\mathrm{wt}, 21 / 4 \mathrm{lbs}$. Per 100 ft .
32 P 36163100 ft . package ... Net 2.65 32 P 364601000 ft .

Net 24.40

## MINIATURE ZIP.CORD $\longrightarrow$ PARALLEL CABLE

Multi purpose miniature zip cord. 2 conduc. tor, 24 gauge stranded. Extremely flexible for MI-FI Installations, auto speakers, low voltage control. etc. Available in white, voltage control etc
brown, gray, clear.
Average shpg wt., i lb. per 100 ft .
32 P89238 25 ft , white Net .50
32 P89246 25 ft . brown .... Net . 50
32 P 8925325 ft gray .....Net .50
32 P 8926125 ft . clear ..... Net .50
32 P 8927950 ft . white Net ..... Net 80
$\begin{array}{llll}32 & \text { P } 89287 & 50 & \mathrm{ft} \text {. brown .... Net . } 80 \\ 32 & \text { P } 89295 & 50 & \mathrm{ft} . \mathrm{gray}\end{array}$
32 P89303 50 ft . clear .........Net . 80
32 P 89311100 ft . white ..... Net 1.25
$\begin{array}{llll}32 & \text { P } 89329 & 100 \mathrm{ft} \text {. brown Net } 1.25 \\ 32 & \text { P } 89337 & 100 \mathrm{ft} \text { gray } & \text { Net } 125\end{array}$ 32 P 89345100 ft . clear ..... Net 1.25

## SPEAKER-LAMP CORD

U.L. Iisted 2 conductor zipcord for lamps, speaker teads, etc. All No. 18 Gauge excep *is 16 Gauge. Shpg. wt., 43/4 lbs. Der 100 ft . Only in lengths shown below

PLASTIC INSULATION POT
32 p 31743 Black 25
Net 1.40
32 P 31768 Brown $25^{\circ}$ 32 P $31776{ }^{\circ}$ Brown 25' 32 P 31800 Black $100^{\circ}$ 32 P 30026 Brown $100^{\circ}$ 32 P 31826 "Brown 100 32 P 31834 Gray $100^{\circ}$ 32 P 31842 White $100^{\prime}$ 32 P 30497 Brown 250

## INDIVIDUALLY

SHIELDED ZIP CORD
Two conductors No. i4 (7 x 32) individually shielded In spiral wrap. Gray plastic jackel over each conductor. Ideally sulted for audio, hi.fi, stereo and laboratory use. Shpg. wit.o 1 ib . per $25{ }^{-}$
32 P $316935^{\circ}$ spool
Net 2.00
$\begin{array}{llll}32 & \text { P } 31693 & 25^{\prime} \\ 32 & \text { spool } \\ & 31701 & 50^{\prime} & \text { spool }\end{array}$
Net 3.39

# - For UHF-VHF and Color TV 

A flat 300 -ohm twin lead with the conductors totally encased in and surrounded by polyethylene foam with an outer black polyethylene jacket. Has high resistance to ultra. violet rays, oil. fumes, moisture, salt air and abrasion. 20-gauge stranded copper conductors. Avallable oniy in lengths listed below. Shpg. wt., $32 / 2$ lbs. per 100 ft .
32 P 36031 50-ft. Coil ...... Net 2.29 32 P $36049 \quad 100-\mathrm{ft}$. Coil ...... Net 4.19 32 P 36015 500-ft. Coil ...........Net 18.60 32 P 36023W 1000-ft. Coil ...... Net 36.85

## GUY WIRE

Available in Fiberglas, steel, Vinyl Covered Steel and Aluminum


Fiberglas guy wire
Non-metallic, non-conductive non-radiating guy line for minimum loss. 1000 pounds tensile strength. Will not rot, shrink, stretch or sag. Shpg. wt. $31 / 2$ lbs. per 100 ft . 32 P45016 100 ft
6.50

32 P 45024600 ft .
37.75

STEEL GUY WIRE
Six strands of no. 20 high tenslle strength galvanized steel wire.
33 P 3101450 ft . roll Wt., $1 \mathrm{lb} . \quad .55$
33 P 31022100 ft . roll Wt., 2 lbs. . 95
33 P 31030500 ft . roll Wt., 10 lbs. 4.59
VINYE COVEREO GUY WIRE
Steel guy wire as above with translucent green vinyl. Covering; weatherproof, nonstretch long lasting.
32 P 3649450 ft . roll Wt., $11 / 2$ lbs. 1.05 32 P 36502100 ft , roll Wt ., $21 / 2$ lbs. 2.00 32 P 36510250 ft . roll Wt., $64 / 4$ lbs. 4.89

## ALUMINUM GUY WIRE

7.18 gauge stranded wires. Breaking strength 500 lbs . Shpg. wt., $11 / 4 \mathrm{lbs}$. 34 R $46275100^{\circ} \mathrm{ft}$. roll.

Net 2.65

## ALUMINUM GROUND WIRE

No. gauge solid conductor.
33 P 3104850 ft coil. Wt., $1 \mathrm{lb} . . . . . . . .1 .00$ 33 P 31055100 ft . coll. Wt., $13 / 4 \mathrm{tbs}, . .1 .93$
33 P 31063500 ft . coil, wh, 9 lb .
9.15

## antenna strain insulators


(B)
is. Brown glazed porcelain. Shpg wi 302.

32 R 30083-lots of 10 ea. . 10 Singly 23 Fig. B. Johnson $136 \cdot 32$. $11 / 2^{* *}$ Long. Ory glazed porcelain.
33 R 32459 wt., 2 oz.
Net ea. 22

## SHIELDED "CONCO-FOAM"

- All Channel Color TV and FM Cable

Assures excellent VHF UMF, COLOR and B/W T.V. and FM reception in crowded areas where reception is critical. Mylar-aluminum shield. ing provides strong and clean signals, eliminating electrical noise and ghost signals. 22 gauge, solid copperweld conductors, foam insulation. mylar-atuminum foll shield. stranded tin copper down wire, black poly ethylene outer jacket. Spade terminals in cluded. $43 / 4 \mathrm{lbs}$. per 100 tt . Only in lengths listed below.
32 P $31867 \quad 50 \mathrm{ft}$ coil
32 P $31875 \quad 75 \mathrm{ft}$. coll
Net 4.39
32 P $31883 \quad 100 \mathrm{ff}$. coll
Net 5.98
Net 7.95

# TWIN-BOOM VHF-UHF-FM/Stereo Log-Periodic Antennas 



- One Down Lead Required
- Extra Long Super Sensitive Capacitor-Coupled VHF Elements
- Multiple Directors and UHF Driven Elements for Maximum Picture Power
- Twin-Boom Construction for Extra Strength
- Goldenized Finish for Long Lasting Protection

Lafayette deluxe all-purpose twin boom three in one antenna for VHF, UHF, FM/STEREO. New frequency independent design permits all elements to work together on both low and high bands for maximum front-to-back ratio and high db gain. Extra long up to 55", reinforced aluminum VHF elements with wide band "cap-electronic" elements operate on both fundamental and harmonic modes. The result is an increased number of working elements producing maximum gain and directivity to bring sharpness and color brilliance to your screen. Disc-on-Rod UHF director system reinforces performyour sce of surface wave UHF driver on low end of UHF band. Improved ance of surfe match ootained by unique twin boom construction which combines mechanical rigidity with superior electrical performance. This superior construction virturally does away with Interference caused by wind and vibrations. Features heavy duty insulators, rust resistant hardware and lasting goldenized finish. Complete with splitter to separate VHF, UHF, and FM signals. Less mast.
(A) 63 ELEMENT "ULTRA-FRINGE" ANTENNA Range in miles up to: VHF to 200, UHF to 100 , FM to 110,63 individwal elements, 22 for VHF/FM, 41 for UHF. Has heay-duty $3 \mathrm{~m}_{4}$ " square "Twin-Boom" and boom brace support. Boom Length ${ }^{15}{ }^{\prime}$ "en $^{\prime \prime}$ 18 P 02172 Wx No Money Down-

Net 46.95

## (B) 45 ELEMENT "DEEP-FRINGE" ANTENNA

Range in milles up to vHF to 150, UHF to 80, FM 10 85, 45 individval elements, 16 for VHF/FM, 29 for UMF. Has heavy-duty $3 / 4$ " square "Twin. $800 \mathrm{~m}^{\text {: }}$ and boom brace support. Boom Length 11"2 18 P 02180 Wx No Money Down"

Net 31.45
(C) 27 ELEMENT "NEAR-FRINGE" ANTENNA

Range in miles up to: VHF to 100 , UHF to 60 , FM to 65,27 individ. Range in miles ip olements. 12 for VHF/FM, 15 for UHF, Has heavy-duty $3 / 4^{" ~ s q u a r e ~}$ "Twin Boom." Boom Length 7 ' 10 ". Shpg. wi., 9 tbs.
18 P 02198WX

## LAFAYETTE SUPER COLOR 'TENNA

## FOR VHF - UHF - AND FM/STEREO COMPLETE WITH VHF/UHF/FM SIGNAL SPLITTER

- For Color and Black and White
- Protected Goldenized Finish
- Easy To Install, Just One Down Lead

26 Element super color antenna with high gain providing fringe area reception on all VHF UHF/FM chamnels. High front-to-back ratio minimizes co-channel interference. Rugged aluminum harness, with rust-prool clips deliver maximum signal to set. includes VHF/UHF/FM signal splitter. Requires only one down lead. Range: 26 element, up to 140 miles VHF, 75 miles FM, 60 miles UHF. Boom length 105" with aluminum boom support.

## LVL Log-Periodic Antennas

## LAFAYETTE "HIGH POWER" "VECTOR.LOG" ${ }^{\text {B }}$ SWEPT-ELEMENT ANTENNAS DESIGNED FOR VHF-TV CHANNELS (2-13) AND FOR DYNAMIC FM

- Intensifies Color or Black-White Pictures Plus FM
- Excellent Front-to-Back Ratio . . . High db Gain
- Sharp-Narrow Directivity and Selectivity
- Flat TV Color Response - Plus FM Signal
- Protective Goldenized Finish

Lafayette's powerful, revolutionary IVL - designed specifically for (VHF) true-to-llfe color reception plus black and white. Also reaches out to pull in static.free fM and stereo FM signals. Five models to choose from for ideal performance. offers such exceptional quality features as: Heavy aluminum reinforced insulator cups-heavy duty insulators-special
back-up brackets and square boom! Triple thick combination sleeved elements assure great ruggedness. Double contact drive line and alr-insulated spacers provide maximum signal delivery to set. Less mast and twin lead. * With boom brace support.


| Stack No. | Range | Elements | Soem Length | Steg. Wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18 P 01851 W | up to 75 miles | 10 | 4. 8 - | 6 lbs |  |
| 18 P $01869 W X$ | up to 100 miles | 14 | $6^{\prime} 11^{\prime \prime}$ | 8 lbs. | 15.65 |
| 18 P 01877 WX | up to 140 miles | 20 | 9' 5" | 10 lbs. | 20.90 |
| 18 P 01885 WX | up to 175 miles | $30^{*}$ | 12' ${ }^{\prime \prime}$ | $121 / 2$ lbs. | 29.35 |
| 18 P $01893 W \mathrm{X}$ | up to 200 miles | 36 | 14'4" | 13 lbs. | 33.50 |

FAMOUS VHFFFM COLOR 'TENNA


Twelve twin-driven elements work with carefully tuned, phased and spaced directors and reflectors to extend flat high gain response across entire VHF band. Cuts out ghosts and unwanted signals. Rugged reinforced aluminum etements and brackets stand uy under most severe wind zind tce loading. $100 \%$ pre assembled for easy Installation Less mast. lead in. Slipr, wt.. $61 / 2$ tbs. 18 P 01018wX

LAFAYETTE "Star Fire" "M COLOR ANTENNA


- Range Up To: VHF- 50 Miles, UHF- 25 Miles, FM- $\mathbf{3 0}$ Miles
Eleven element high gain antenna provides VHF-UHF \& FM reception with one downlead. Separate folded dipoles on low and high bands assure greatest power with constant 300 ohm impedance match. Sturdily constructed $68^{\circ}$ boom. Completely pre assembled-just snap open to install. Goldenized finish resists corrosion,

Net 10.95

## 18 P 01976 wX Shpg. wt., 5 lbs. <br> $\square \rightarrow \square$ TV/FMROTATRNGPAVELANTENNA NT



## For VHF-UHF-FM/Stereo

[^19]
# LAFAYETTE VHF-UHF Color TV/FM Antenna Outfits with ALLIANCE Rotator System 



## Choice of Chimney or Tripod Roof Tower Installation

Latayette Antenna Dutfits include everything you need for a com. plete installation! All outfits feature your choice of either Lafayette's 18-01828wx 25-Element "Fringe" Antenna, or Lałayetie's 18-02172WX 63-Element "ultra.Fringe" Antenna (See Pages 284 and 285). Plus 63-Element Model U-100 Automatic gotator System (See Page 297) Alliance's Model U-100 Automatic gotator system (see Page 29ipod Each outfit contains your choice of either a heavy-duty $3 \mathbf{1 1}$. Tripod Roof Tower Mount with pitch patches and lag screws, or a heavyduty "Y" type Snap.In Chimney Mount with $12 \mathrm{ft} .7 / 4$ " stainless steel straps. All outfits include: 100 feet of heavy-duty rotor cable; 100 feat of foam twin lead; $1-5 \mathrm{ft}$. and $1-2 \frac{1}{2} \mathrm{ft}$. Cold-Kote 16 gaure steel masf; $4.3 \mathrm{Y}^{\prime \prime \prime}$ wood screw-eye standotis; $1.7 \mathrm{Y}_{2^{\prime \prime}}$ wood sereweye standom, and 2 dual mast snap on insulators.

Complete Antenna/Rotater Installation Outfits

| Stock No. | Antenna | Mount | Shpg. wt. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 18 P 90458 WXM | "Ulita.Fringe" | Chimney | 40 | 82.95 |
| 18 P 90441wxM | "Ulira-Fringe" $18-02172 W X$ | Tripod-Roof | 44 | 85.95 |
| $\begin{aligned} & 18 \text { P } 90433 W \times M \\ & 18 \text { P } 90425 W \times M \end{aligned}$ | "Fringe" ${ }^{\text {chen }}$ 18-01828wx "Fringe" 18-01828wx | Chimney | $\begin{aligned} & 35 \\ & 39 \end{aligned}$ | 61.50 64.50 |



## CONICAL WINDOW ANTENNA

POWER BEAM VHF ANTENNA

LAFAYETTE "PRIME AREA" VHF-UHF-FM ANTENNA


- Ideal for Apartments
- All Aluminum Construction
(4) VhF MODEL

Contains 4 full-sized elements plus 2 high frequency dipoles. Ideal for apartment bullding, hotels, etc., or wherever root-top installations are Impractical but necessary for the greater galin which is provided by a good outdoor antenna. Complete with all mounting hardware, less 300 ohm twin lead. Base spans up to $44^{\sim}$. Shpr. wt., 3 lbs. 18 P O1380W

Net 6.50 [B] VHF/UHF MODEL
Same as VHF model plus 8 element UHF sec. tion.
18 P 03646W ............................Nel 9.95
18 P 01398 Extension bar to $60^{\circ} \ldots \quad 1.69$ $\begin{array}{lll}18 \mathrm{P} 01398 & \text { Extension bar to } 60^{\circ} & 1.69 \\ 18 \mathrm{P} 01406 \text { Extension bar to } 72^{\prime \prime} & 2.29\end{array}$


- For VHF-FM Reception


## - Range To 60 Miles <br> - Goldenized Finish

The ideal metropolitan and surburban VHF TV antenna For Ch. 2-13. Broad.band. sharply directive. Full length eiements, all aluminum construction, famous in-line design. 300 ohm impedance match reduces stray reffections and ghosts. Less mast. Shps. wt., $42 / 2$ lbs. Improwe Your Color TV Reception With Lofoyette Anlennas

## $6^{25}$

- 9 Elements
- Range Up To 30 Miles

VHF-UHF

- Complete with VHF-UHF

SPLITTER
Signal Splitter
Recelves sharp. clear pictures on all VHF. UHF channels 2 to 83, plus FM/Stereo. Features 5 VHF and 4 UHF elements for crisp clean pictures in color or black and white. Gold colored anodized all aluminum construction. Only one downlead needed to set. struction. Only one domniead needed to set. oelure square boom for extra stability.
Less mast. Shpg. wt. 3 los. Less mast. Shpt. wt.. 3 lbs. 18 P 02230W

Net 6.25

# $\int D$ LPV-CTC LOG-PERIODIC COLOR TV ANTENNAS FOR CHANNELS 2.83 AND FM STEREO 




- Features Twin-Boom Construction
- For Color or Black and White

Powerful antenna covers entire VHF. UHF TV range, plus the FM band, with a single down lead! Capacitor elements on VMF.FM, and special wedge shaped and disc directors on UHF develop higher gain, narrow beam widths, and higher front-to-back ratios resulting in deep rich color, and crisp, sharo, black and white pictures on channels 2 -83, plus FM Stereo. Simplified instaliation, with Heavy-Duty Twin-Boom construction for extra reinforcement. Model LPV.CTCG39 has added reinforcement with rugged U-boom. Antennas are of weather resistant gold alodized aluminum. Less Mast.

| Stock No. | Model No. | Active Ele- Max. ments YHF |  | Range in Miles |  | Boom Length | Shpg. wt, lu. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | FM |  |  |  |
| 18 P 39224WX | LPV-CTC639 | 39 | 185 | 90 | 100 | 163" | 16 | 54.75 |
| 18 P 39232WX | LPV-CTC426 | 26 | 125 | 75 | 85 | $108 *$ | 111/2 | 36.49 |
| 18 P 39240WX | LPV-CTC220 | 20 | 90 | 55 | 60 | 83* | 84/2 | 21.42 |

LOG PERIODIC VHF/FM ANTENNAS FOR CHANNELS 2.13 AND FM STEREO

As Low As


- Highest Gain For Deep, Rich Full Color On all VHF channels
- Dual Boom Ruggedized Construction

Pults in extra true color and sharp black/white pictures-plus tru-fidellty FM through patented frequency-independent, log periodic design with capelectronic dipoles. Maximum gain and directivity on all VHF channels and especially channels 7.13 . High $\$ / \mathrm{N}$ ratlo eliminates snow. Ghost and interference rejected by sharp directivity, narrow beamwidth and high $/ / \mathrm{b}$ ratlo. "Flip-Quick" construction for quick easy assembly. Models LPV.TV130 and LPV.TV190 reinforced by powerful U-boom. All models gold colored alodized for protection against weather and corrosion. Less mast.

| Stock No. | Model No. | sctive Element | Max. Range $s$ In miles | Boom Length | Shpg, wt. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18 P 38846WX | LPV.TV190 | 19 | VHF up to 225 | $205^{\prime \prime}$ | 17 lbs . | 68.96 |
| 18 P 38820WX | LPV-TV130 | 13 | VHF up to 175 | $143^{\circ}$ | 14 lbs . | 44.40 |
| 18 P 38796WX | LPV.TV60 | 6 | VHF up to 90 | 703/4" | $61 / 2 \mathrm{lbs}$. | 21.23 |

## $\int D$ LPL-FM LOG PERIODIC FM/STEREO ANTENNAS

- Designed for L.O.N-G Distance Reception Log periodic array of L-dipoles pull in superior gain-provides extra Across Entire FM Band


## - Super-Rugged

Triple Square Boom Construction

As Low As
$23^{48}$ rosion. Less mast. offersinal strength for FM and FM Stereo-multiplex tuner circuits. Offers maximum rejection of reflected or multipath signals that cause stereo distortion. Etements provide a backifire radiation for superior $/ / \mathrm{b}$ ratio. Frequency independent wideband response permits unvarying gain across the entire FM band. Low VSWR transfers maximum signat from the antenna to the set. Easy to assemble. Gold alodized colored construction protects against weather and cor-

## MARINE/AUTO TV ANTENNA KIT

| Stock No. | Model | Elements | Range in <br> Miles | Shigg. <br> wt. Ib. | Net |
| :---: | :---: | :---: | :---: | :---: | ---: |
| 18 P 38275 WX | LPL.FM10A | 10 | to 175 | 13 | 39.11 |
| 18 P 38291 WX | LPL.FMGA | 6 | to 125 | 8 | 23.48 |

## As Low As $22^{46}$

- Spring-tension Auto Clamp Or Marine Mounting Bracket Insures Quick Portable Operation
- Six Position Picture Clarifier Brings In Sharpest Picture

The ideal antenna for traveling, pulls in shard, clear pictures from all directions on VHF, and true fidelity FM , whether in motion or standing still. Triple chrome plated construction. Special 6-position clarifier to select maximum signal gain for best picture. Auto antenna fits above window to any make of car, while Marine antenna can be vertically or horizontally mounted. Features shielded coax, to suppress ignition noise. For any 300 -ohm portable TV set. Model MTV222 (MARINE) with 30 ft . coaxial cable. Shpg. wt., 4 lbs .
18 P 39323
Model arvill (AuTO) with 10 ft . coaxial cable. Shpg. wt., $31 / 2 \mathrm{lbs}$.
18 P 39331

# Super Colortron Antennas by Winegard 

## "COLOR-WEDGE" <br> FOR SUPER POWER COLOR CH 2.83 AND FM STEREO

Complete
With
VHF/UHF/FM
Signal
Splitter

- Delivers Superb Color Fidelity and Perlect Black and White
- Exclusive Bullt-In Cartridge Housing
- Optional Solid State Preaniplifier Loads Instantly Into Housing
- Single Downlead Into House
- Gold Vinyl Finish
- Super Rugged Truss Construction

Winegard Color-Wedge high gain, 82 channe! antennas provide supert color fidelity, perfect black and white piefures and excellent FM stereo reception even in deep fringe areas. Extremely high front-to-back ratio and shard directivity insure ghost-free reception. Narrow verticai reception lobe prevents antenna from Dicking up such interferences as airplane flutter, Ignition nolse, and harmonic radiations from citizens band or amateur transmitters. Antennas feature perfect, no-loss coupling between VHF and UHF sections and precise impedance match to downlead terminals for excellent signal transter to TV set. Wedge design of VHF elements provide maximum VHF capture area for increased gain ... up to $50 \%$ shorter than most allchanmel antennas with comparable gain. Antenma has gold vinyl finish and performance is not affected by moisture. Super-rugged truss construction holds elements in perfect alignment and withstands the most severe weather conditions. Completely pre-assembled easy to in. staH. For extra power, use Super Colortron Cartridge Amplifier. See listing below.

| Stock No. | Medel Mo. | Elements | Man. | hange | $\begin{aligned} & \text { Wes } \\ & \text { FIM } \end{aligned}$ | Beom length |  | Net |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18P60782WX | CW-1001 |  | 225 | 100 | 120 | $135^{\prime \prime}$ | 211/2 | 69.97 |
| 18 P 60840wx | CW. 980 | 38 | 185 | 90 | 100 | 114* | 18 | 53.30 |
| 18 P G0857wx | CW-960 | 27 | 125 | 75 | 85 | 77" | $131 / 2$ | 41.95 |

## Solid State Amplifier For Above Antennas See Listing Below

## High Gain 82 Channel Super Colortron Antennas for VHF-UHF-FM

| Complete with |
| :--- |
| VHF. UHF.FMM |
| Signal Splitter |


| Stoch No. | Model No. | Elements | $\begin{aligned} & \text { Max. } \\ & \mathrm{VHFF} \end{aligned}$ | $\begin{aligned} & \text { ange } \\ & \text { UHF } \end{aligned}$ | $\begin{array}{\|c\|c\|} \hline 7 \mathrm{Frles} \\ \hline \end{array}$ | $\begin{aligned} & \text { Boom } \\ & \text { Length } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Shpt } \\ & \text { Wt. } \end{aligned}$ | Ne | As Low As |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 18 P 60618 Wx | SC-810 | 23 | 90 | 60 | 85 | 81" | 942 libs. | 29.95 |  |
| 18 P 60626w | SC 800 | 18 | 75 | 50 | 70 | 64******** | 8 lbs. | 23.95 |  |
| 18 P 60634 W | SC-790 | 13 | 50 | 40 | 55 | $44^{*}$ | 64/2 lbs. | 18.95 |  |

Extremely high unlform gain for VHF-UHF-FM reception. Three models with pin-point directivity. Migh front-to-back ratio for sharp, clear color and black and white reception Exclusive Impedance correlators allow each model to be much more compact for easier installation and less wind resistance. Features vertical resonant UHF staliation and less wind resistance. Features vertical resonant UnF reflectors for very high UHF gatn. FM control elements ailow user to peah antenna for extra long distance FM and FM stereo. Exclusive bullt-in cartridge housing holds $300 / 75$ ohm terminal board (included) for weather-tight down-lead connection. For extsa power, use Super Colortron Cartridge amplifier Ilsted below.

## Solid-State Cartridge Amplifier for all Super Colortron Antennas Above

## - Amplifles VHF-UHF \& FM Signal

- Signal Booster Extends Reception Range, Strengthens Weak Channels and Lets You Operate Several Sets At The Same Time

Model AC-823B Adds greater range lo your Super-Colortron antenna with this solid state cartridge amplifler. Printed circuit design with long-life overlay silicon transistors, provides 15 do gain VHF and 14 db gain UHF for big signai boost. Helps pull in weat distant channels and delivers strong clean signals to TV set for crisp, clear, snow-free color and black and white. Slides perfectly into Super-Colortron cartridge housing on antenna. Includes power supply


# UHF TV Antennas for Channels 14-83 <br> <br> LAFAYETTE PARABOLIC UHF ANTENNA <br> <br> LAFAYETTE PARABOLIC UHF ANTENNA <br> - Ultimate In Directivity - Rugged Construction 



## LAFAYETTE UHF CORNER REFLECTOR

## $4^{95}$

- Range Up to 50 Miles
- Goldenized

For quality UHF reception even in fringe areas. High gain, sharp horizontal and vertical directivity eliminates "ghosts" and "snow." Rugged construction, large reflector screen made of highest grade aluminum tubing, "Fold open' a assembly. "Goldenized" finish for protection against weather and salt-air deterioration. Shpg. wt., 3 lbs.
18 P 01448W
Net 4.95
4.BAY BOW.TIE UHF ANTENNA

- Completely Preassembled
- Excellent Directivity

$5^{55}$

- Flat Response Across Each Channel
- Range Up To 60 Miles

Four bay, UHF bow tie antenna. Exceptionally high ( 12 db ) gain - relatively flat across the entire spectrum ... Fully factory assembled Quickest and easiest to install. High efficency screen grid reflector boosts front to back ratio. Unique "cross-over" phasing bars-open $V$ elements, Rugged-rigid-corrosion resistant construction. Shpg. wt., 5 lbs.
18 P 01422W
Net 5.95

## UHF INDOOR ANTENNA


$3^{95}$

- Attractive "Bow-Tie" Design

Decorator designed to blend perfectly with any interior. 8lack "bow-tles" are sharply set off by the attractive gotden grid. Provides excellent UHF reception; minimizes snow and ghosts; attaches to hack of any TV set; uses 300 -ohm lead-in wire. Shpg. wt., $21 / 2 \mathrm{lbs}$. 18 P 63240

Net 3.95

## ATTACHABLE UHF-TV ANTENNA LOOP

Q. 99UHF indoor antenna has omni-directional pick-up for stronger signal reception. simple to instali. universal mounting lugs will fit twin lead terminals on any UHF converter or TV set. Shpg. wt., 5 oz. 18 P 38754

## 7-FT. OEEP FRINGE PARABOLIC ANTENNA

- For Deep Fringe Areas

Advanced 7 ft . diameter antenna utilizes a parabolic design to achieve the highest performance characteristics attainable. Multiple element construction has extremely high front-to-back ratio with narrow beam width to help eliminate ghost reflections - especially in fringe areas. All aluminum thick-wall assembly is fitted with vibration dampers for quiet high wind operation. For channels 14 1083 . Impedance: 300 ohms. Shpg. wi, $13 \frac{1}{1,4} \mathrm{lbs}$.
18 P 01927 WX No Money Down*. $\qquad$

## 5 FT. PARABOLIC UHF ANTENNA

## - For Fringe Areas

A 5 foot parabolic antenna which utilizes a signal drive broadband driver unit. The high front-to-back ratio ellminates the necessity of reflectors which shadow the center of the Meld. Signals reaching any part of the parabola are concentrated on the driver mounted at the exact focal point. This selective design provides up to 18.6 db gain. Back of reflector acts as a shield to reduce unwanted and reflected signals. Preassembled for easy installation. Small diameter, rugged elements with vibration dampers limit ice loading. All aluminum with protective Gold Corodized finish. Shpg. wi., 7 th ths. 18 P01901w
.Net 23.90

## JERROLD PARA-PRO 27 ELEMENT

## UHF ANTENNA

## $6^{65}$

- Add On To Present - Range Up VHF Antenna-No Antenna Coupler Required To 75 Miles

Low sllhouette, high-gain periodic design requiring ittle space and offering a minimum of wind resistance. Has 11 driven elements plus 16 parasitic directors for periect, sharp color reception across entire UHF band. Comes assembled with all hardware for quich, easy mounting to existing mast. Shipg. wt., 3 lbs.
18 P $36113 W$
Net 6.95

## BLONDER-TONGUE "GOLDEN DART" <br> UHF ANTENNA

- Range Up to 50 Miles

No matter what UHF channels serve your area-from 14 to 83 - the Dart delfvers a shapp, clean pattern on every channel. Utilizes the logarithmic-periodic principle which is the modern approach to UHF TV antenna design. Malntains an excetlent front-to-bach ratio ( 9 db gain over halfwave dipole). An extremely low VSWR prevents ghosts and smears, Completely pre-assembled, nothing to snap out, no screws 10 tighten. Rugged, unitized weldéd construction. Wt., $23 / 4 \mathrm{lbs}$. 18 P 18012

Net 4,95

## UNIVERSAL PORTABLE TV <br> REPLACEMENT ANTENNA ROOS <br> As low As <br> 29

Exact replacement telescoping antenna rods for all indoor TV antennas. Easily replaces existing 4, 5 or 6 section broken or bent antenna rods. Heavy gauge-chrome finished. Easily installed with a screwdriver. Shpg. wt., 40 oz.

18 P 540256 section 40" long..................................................................... 1.99

## FM TWIN LINE ANTENNA

Folded dipole type for indoor use. six foot lead-in with spade lugs. Install behind cabinet, under rug, or any concealed place. Imported. Wt. 4 oz.
99 P 40297 .................Net 99

## .99

$\qquad$

# FM Antennas for Superior Performance 



High gain antenna design for the audiophile who seeks perfection in FM reception. Ideally suited for FM-stereo reception. Trouble free operation even under severe weather conditions. The fully automatic snap-lock brackets insure easy, rapid and secure installation. Boom length: 72". Shpg. wt., 5 lbs.
18 P $01497 W \mathrm{X}$
Net 6.9 S

## FM ALL DIRECTIONAL ANTENNA KIT

- Attaches To Existing


## TV Mast

- All Directional
- 40 Mile Range.


Provides excellent gain for areas up to 40 miles from the station. Gold alodized aluminum. Complete with 50 ft , of 300 -ohm twin lead, mast standoff, screw eye standoffs, mast mount.

18 P 01323 W Shpg, wt., $34 / \mathrm{lbs}$
Net 6.75
FM ANTENNA ONLY. Shpe. Wt. 2 lbs.

## 18 P 01331 W

16POTJコ1W

## IINCO

HIGH GAIN BROAD BAND
ALL DIRECTION ANTENNA


- Receives Stations from All Directions
- Gold Corodized Finish

Model FMT mounts on present TV mast. An all direction FM Antenna designed for re. ception over the entire FM band. Two fold. ed dipoles are matched with a special quarter wave phasing stub for optimum gain and "all direction" radiation pickup pattern. Gold Corodized Finlsh. Wt., $3 \neq 4$ lbs. 18 P 30470W

FM STEREO MODEL FM-4G

Ideally sulted FM-stereo reception. This 10 -element double-driven, yagl array has the necessary added gain, sensitivity and directivity to compensate for the lack of signal strength. All-aluminum golden. ized construction. Fiberglas insulators. Torsion lock hardware sure. lock mast clamp. Boom length: $128^{\prime \prime}$. Shpg. wt., 8 lbs.
18 P 01281W

## LAFAYETTE FM "STEREO-STACK" ANTENNA

- Reception Up To 50 Miles
- Omnidirectional Pickup
- Goldenized Finish

Advanced design "STEREO-STACK" FM antenna is designed especially for FM multiplex reception. Omnidirectional high gain sensitivity is achieved through "stacking" seven folded dipole elements. Antenna is of all aluminum construction with goldenized finish, and mounts quickly to top or side of mast. Receives stations up to 50 miles away. Shpg. wt., $41 / 2$ tbs 18 P 02263W


- For Fringe Areas
- Gold Corodized

Receive clear, strong signals with this 6 element FM antenna. Geometrically de. signed to provide 9.6 db gain with twin driven element and impedance control stubs. Extra wide spacing of the six ele. ments results in high front to back ratio (22.5). Square boom for rigid support with locking brackets for no-tilt elements. Pre. assembled. Shog. wt.. 6 lbs
18 P $30249 W^{2}$

10 Element deluxe FM antenna using twin drive elements with impedance control "T" match stubs. Ob gain of 9.6 for maximum reception throughout 88.108 MHz band. Patented fidellty phasing provides 27.1 Pront frosion resistant with gold corodized. finlsh. Sturdy saddle mounting of elements and "box girder" snap out, self aligning brackets are pre-assembled for easy installation. Braced square boom, 10 ft . long. Shpg. wt. 8 lbs. 18 P $30231 w x$

Net 24.99

FINCO

## WINDOW MOUNTED FM ANTENNA

- Ideal For Apartments, Buildings, etc


## Only

$10^{35}$


Model FM-WT. The ideal answer to FM/FM Stereo reception problems in apartment bulidings, efc., wherever d rooftop anpronna is impractical but an outside antenna is needed for lm . tenna is impractical proved reception. The antenna is Finco's famous omnidirectional FMT, ingenuously mounted on a highly adaptable window mount, Mounting can be elther horizonal or vertical. The sturdy extendable window frame mount will fit any window up to 42 inches wide. Shpg. wt.. 41/2 lbs.
16 P 30462W
Improve Your Color TV Recpption With Lafayetle Antennas

- High Gain 20db
- Ideal For Stereo And Monaural FM

Model 65.7, high gain. 20 db (nominal), low noise transistorized FM amplifier, designed to reject any strong signals outside the FM
band to improve receptlon of weak FM signals in deep or medium fringe areas even where strong local signals are present. Shock hazard is ellminated through the use of an isolation transiormer. 300 -0hm input and unique output board will drive 1 or $2,300-0 \mathrm{hm}$ 300 -ohm input and unique output board will drive sets or 2 , wherever sets. Compact, and easily mounted on set, baseboar
18 P 30421 Shpg. wt., $11 / 2$ lbs.
$17^{75}$
$\qquad$
$\qquad$ Lafayette Cat. No. 730

INDOOR 2.SET FM SIGNAL BOOSTER

# Rembrandt Color VHF/UHF Indoor Antennas <br> "COLOR KING" 

## IMPERIAL-COLOR UHF/VHF ANTENNA

\section*{COLOR CHAMPION

## COLOR CHAMPION UHF/VHF ANTENNA

## $24^{95}$

- Electroplated 24 Karat Gold Loops
- Superior on Color and Black and White
For clearer and sharper color and black and white pictures, the Imperial antenna has specially designed $6 \cdot \mathbf{s e c t i o n ~ a l l ~ b r a s s ~ e l e . ~}$ ments with exclusive "High Inductance Grid" and "Loading Coil". You can actually pinpoint signal pickup, with the combined action of the special "Signal". "Picture". and "Color" controls provided. Five gears remotely control two sensitive color tuning loops which allow you to easily achieve more precise color adjusiment on any set. Special 12-dosition signal level control reduces overtoading of signals. Walnut decorator styiline. 18 P 12429 Shpg. wta, 41/2 lbs. Net 24.95


## "DELUXE" VHF/UHF ANTENNA

- For Channels 2.83
- For Color, Black and White TV Indoor TV antenna with 46" telescop. ing arms coupled with adjustable radar loops for extra efficient operatton in difficult reception areas. 12-position duat control to rejeci ghosts and orient antenna to direc. tion of strongest signal, solid brass tip balls on telescoping arms eltmInate signal losses and static discharge interference. Radar 1000 principle makes possibie clearer and sharper pictures on all channels. Matched impedance with separate teads for VHF and UHF. Attractive, walnut finish base. Shpg. wt., 3444 los.
18 P 12080
Net 9.95


## FM STEREO/MULTIPLEX ANTENNA

- Reduces Hum and Noise

Assures virtually distortion-free FMreception. Strengthens weak stations and helps block out remected signals and background noise. Features $1 / 4$ wave 4 -section precision arms; $3 / 4$ wave induction coll; 12 position sta. tlon dírection control ond special nolse filtering circult for extremely effective performance. Provides strong reception over entire 88.108 MHz FM band. Low silhovette, slimline styling. Walnut finish. Shpg. wt., $21 / 4 \mathrm{lbs}$.
18'p 12197
.Net 6.95

## VHF/UHF ANTENNA

- Features Color Tuning Loops and Power Boosters
- VHF-UHF Isolation Neiwork Switch
Get clearer, sharper plctures on all VHF/ UHF channels 2 thru 83, in color and black and white, plus FM stereo. Combined aclion of color tuning loops, power boosters, and 5 section $46^{\prime \prime}$ solid brass elements give superb reception. 12 position picture correction control clears up ghosts, snow and color fading In most difficult areas. Separate VHF/ UHF isolation network switch allows consistent true color levels and sharper color register. Attractive styling with walnut finish. Range up to 30 miles. Shps. wt., $44 / 4$ lbs.
18 P 12411 $\qquad$ Net 19.95

- Clear, Sharp Color/B\&W Pictures
- Special Color Phasing Loops and Color Fitter Control
Deluxe indoor antenna for color and black and white reception on all VHF and UHF channels. Perfect pictures insured by color phasing loops and color filter coupled with $46^{\prime \prime}$ solid brass telescoping arms. 12 posi. tion picture correction control with silver plated contacts to clear up annoying "ghosts" and "snow" even in the most difficult reception areas. Separate VHF and UHF transmission lines provide low-loss matched impedance. Attractive styling with walnut finish. Shpe. wt. 3y/2 Ibs. 18 P $1222 \%$

Net 12.55

## "RADARCOIL" VHF/UHF ANTENNA

- For Color and Black \& White

Wherever an indoor antenna is necessary for both color and black-and-white allchannel TV reception, the "Radar Coil" will bring you clearer and sharper pictures. Poweriul indoor antenna utilizes $46^{\prime \prime}$ long solid-brass 4 -section telescoping arms to provide efficient reception, plus 12 -position switch helps to elimi. nate ghosts and snow. A real beauty to grace any decor. Includes separate leads for VHF and UMF. Attractive walnut fintsh base. Shpg. wt., $2 \neq / \mathrm{lbs}$. 18 P 12122

Net 6.95

## "POWER-KING" VHF/UHF ANTENNA

- 12-Position Switch

Designed for both color and black-and white; all channels VHF/UHF 2 thru 83 , plus FM stereo 88.108 MHz . Combined action of unique concentric rings and long $39^{\circ}$ telescoping ams help to elliminate ghosts, snow and interference for clear sharp black-and-white plus true-to-llfe color reception. 12 -position station direction control effectively matches the antenna to channel frequency for optimum gain and ali-directlonal pickup pattern. Includes separate leads for VHF and UHF. Attractive walnut finish base. Shpg. wt., 2 los. 18 P 12155

# Add Channels 14-83 To Your 12 Channel TV Set <br> BLONDER-TONGUE UHF CONVERTER <br> <br> BLONDER-TONGUE UHF CONVERTER/ <br> <br> BLONDER-TONGUE UHF CONVERTER/ AMPLIFIER 

 AMPLIFIER}


Model ETX-999 Keep abreast with the new Jook in TV programming. If your present television has been dated by modern UHF reception, modernize your TV and allow for future expansion. Adds all UHF channels ( $14-83$ ) to your B\&W or color TV set. Ideal for prime signal areas up to 20 mites from the station, and in many areas can perform well using only an indoor antenna. Low noise, solid-state circuit is virtually drift-free. Rugged, reliable patented tuner. Fine vernier Iltuminated dial for easy tuning. Spliceless, stripless terminals. Complete with UHF loop antenna, connecting cable. For $110.120 \mathrm{~V}, 60 \mathrm{~Hz}$. AC. UL listed. Shpg. wt, 2 lbs

## 18 P 18301

## "MONTEGO" COLOR VHF/UHF TV ANTENNA <br> jFD

- All Angle Ball Sockets For Easy Positioning
- Features Color-Accented Dipoles
- 14-Position Picture Clarifier Control
Just fick the knob of this advanced indoor TV antenna and eliminate ghosts, snow and smears. Interacting Impedance matching circuits work logether with phased inter. secting loops and adjustable balipivoted $45^{\prime \prime}$ telescoping dipoles to pull in true-to-1lfe color, and sharper black and white on channels 2 to 83 . Color accented dipoles. High quality polished chromated brass elements. Handsomely styled walnut colored tilt-proof base. Separate VHF and UHF Iwin leads. Shpg. wt., 3 tbs. 18 P 39208

Nel 7.95


Model 8 Tx. 111 Now you can enjoy additional educational and regulap UHF programming. This attractive solid-state converter adds all UHF channels (14-83) to your present TV, anywhere within the range of a UHF station. Features a new dual speed 100 to 1 fine vernier and Illuminated dial for easy tuning; 3 times amplification; double tuned UHF input circults and shielded oscillator section for interference. free reception. AC convenience outlet. Complete with UHF loop an. tenna, connecting cable. Reliable patented tuner; spliceless, strip. less terminals. For $110-120 \mathrm{VAC} 60 \mathrm{~Hz}$. UL IIsted. Shpg. wt., 2 lbs. 18 P 18319

## jFD

"LE MANS" COLOR VHF/UHF TV ANTENNA

- Features Color-Accented Dipoles
- 14-Position Picture Clarifier Control
- Clears-up Color, Black/ White and FM Stereo Deluxe indoor TV antenna for color, black and white reception. 14 position picture funing control clears-up snow, ghosts and smears. Interacting impedance matching cireuits and adjustable ball-pivoted $45^{\prime \prime}$ tetescoping color-accented dipoles deliver bright. er, crisper pictures in color or black and white on channels 2 to 83. High quality polished chromated biass elements. Elegant walnut colored tiltproof base with walnut wood grain inlay. Separate VHF and UHF iwin leads. Shpg. wt., 4 ibs. 18 P 39216
..Net 12.95



## EXACT REPLACEMENT <br> ANTENNAS FOR SONY AND PANASONIC TV SETS



Avg. shpg. wl. 802.
stock No. Fis. Panasonic Model No. Met 18 P 392651 AN 109. AN 2093.49 18 P 392732 |AN 29, AN S2 ! IAN 32, AN S9 4.15
Stock No. Fig. Sony Model No. Net 18 P 392813 SOOU, $900 \mathrm{U}, 920 \mathrm{U} 3.27$ 18 P $392993700 \mathrm{U}, 710 \mathrm{U}$

(A) UNIVERSAL BEHINO.SET TV ANTENNA

For portable and console TV's. Excellent replacement. 5-section, highly pollished dipoles extend to $38^{\prime \prime}$ and have a $360^{\circ}$ swivel. Collapses behind set. With mounting screws. 18 P 71011 Shpg. wt, $3 / \mathrm{Ib}$. Net 2.39

## (B) 4-SECTION DIPOLE ANTENNA

4 -section aluminum dipoles adjust for best picture on all VHF channels and FM. Hand. some mahogany. Tip-proof felt padded base. Complete with $300-0 \mathrm{hm}$ twin line. 18 P 38408 Shpg, wt., $11 / 4$ ths. ....Net 1.89

## SNYDER 3D-R VHF-UHF TV ANTENNA



- For VHF-UHF-FM Reception Your Color or $B$ \& $W_{\text {a }}$ and FM reception can be clear and sharp with the aid of this indoor Iv antenna. Features two 4 -section $41^{\prime \prime}$ brass elements, double UHF loops, and 12 -position selector switch. Walnut base.
18 P 48027 Shpg. wt., $21 / 2$ Ibs. Net 3.95


# Winegard 

VHF-UHF-FM SOLID STAFE BOOSTER-COUPLER


- 4-300 Ohm Outputs
- Perfect For Ch. 2.83 and FM Home System
- Excellent For Color Because of Uniform Gain

Model BC. 382 highly efficient TV.FM signal amplifier with overlay silicon transistors and printed circuitry. Dellvers full gain on all 82 channets ( 5 db for VHF, 4.5 for UHF), enough to operate $1,2,3$, or 4 sets. 15 db isolation between outputs. Low noise ( 6.2 db avg.. VHF, 11.7 db avg., UHI, cuts snow even in deep fringe areas. Uses existing 300 -ohm downlead to the input and has 4.300 ohm outputs with "no-strip" connections. In enamel steel case with connectors and instructions. 117 VAC. Shpg. wi., $21 / 4 \mathrm{lbs}$.
18 P 60733 No Money Down *
Net 31.25
Model BC.782. Similar to above except for 75 ohms; gain 6.5 do per output. Shpg. wt., $21 / 4 \mathrm{lbs}$
18 P $60741^{\circ}$ No Money Down ${ }^{\circ}$
Net 33.80

## SOLID STATE VHF.FM 4.SET BOOSTER-COUPLER



- +7.1 db Gain To Each Of 4 -300 Ohm Outputs
- Recommended For Color and Black and White
- 75 and $300 \cdot \mathrm{ohm}$ Inputs
Model BC. 234 makes a cood home TV and FM system amplifier, or an amplified 4-set coupler. Gain is +7.1 db at each of the 4.300 ohm outputs or +14 db at the single 75 ohm output. Uses tempera. ture stable overlay silicon transistors-long life, low cost operation. Fiat response for pertect color reception. No interaction between sets. Ali metal housing. includes connectors. 117 VAC .
18 P 60758 Shpg. Wt., $21 / 2 \mathrm{lbs}$.
Net 29.80
Model BC.274, As above, except with 4.75 ohm outputs. Avg., gain 4 db per output. With connectors. Shpg. wt., $21 / 2 \mathrm{lbs}$.
18 P 60766
.Net 29.95
+25 th VHF-UHF.FM SOLID.STATE COLOR SYSTEM AMPLIFIE
- Will Drive Up to 16

TV/FM Units

- Use In Motels,

Apartments,
$45^{95}$
Hospitals, Homes

Model DA. 825A. 75 -ohm, 82-channel high quality color and Dlack and white amplifier with 25 db gain. Rugged transistor circuitry features silicon transistors in a unique grounded emitter circuit for excellent stablity, sensitivity, and ultra-low noise figure ( 5.1 db VHF, 7 db UHF.) Provides 35 ab mV per channel UHF output with 4-channel Input operating at $60 \%$ maximum input level, ideal for home and commercial MATV systems with up to 16 line tap offs. May be used with a singie 82 channel antenna or separate VHF.UHF antennas. Has separate inputs for VHF and UHF Model CS.775 separator-joiner recommended for separating VHF.UHF signal from a single downlead of a 82 channel antenna. Compactly designed in a cabinet unit. Complete with coaxial connectors, hardware and built-in 117 VAC power supply. ShDg. wi., $21 / 4 \mathrm{lbs}$.
18 P 60709 No Money Down*
Net 45.95
Model CS.775. Separator-Joiner to attach single downlead to separate UHF VHF inputs of OA.B25A above. Shpg. wt., $1 / 2 \mathrm{lb}$

## 18 P 60824

Net 6.10

## SEE PAGE 299 FOR 2 and 4-WAY 75-0hm LINE SPLITTERS



82 CHANNEL 2-TRANSISTOR VHF-UHF.FM SOLID-STATE AMPLIFIER


- 20db Gain On VHF.FM
- 10db Gain On UHF
- For Color and

Black and White

- Use With Any VHF-UHF-FM Antenna Model RD-830 Twin-transistor antenna preamplifier gives blg slgnal boost to any 82 channel antenna for beautiful color and black and whlite reception. No extra wires needed: connects to existing downlead. High signal input assures snow-free recedtion of weak and distant stations. $A C$ isolation transformer-no stock hazard. Protected against lightning, static discharges, or power line surges. Bullt-in hi.pass filter. Has single 300 ohm input and output. With $A C$ power supply, mig, hardware. 117 VAC .60 Nz . Shpg. wt., $11 / 2$ ibs.
18 P60873
Net 24.90
Model RD-870. Same as above but 75 ohm output.
18 P 60881 Net 25.29

- Doubles Input Signal
- Perfect For Color and Black and White
High Isolation Be. tween Sets
Model BC-830. Boosts signals on all channels 2 thru 83, plus FM; operates two TV sets or TV and FM set from single 300 ohm antenna downiead. Unique lightning protected circuit overcomes lass of spiftting signals. Average gain of 5.25 db to each output, provides a healthy boost for snow-free pictures. High input level prevents overload in mixed signal area. 300 ohm input and output thru handy "no strip"' screw terminals. Operates on 117 VAC ., 60 Hz . Shpg.. $3 / 4 \mathrm{lb}$. 18 P 60717
.Net 14.65
Model ECa870. Similar to above, except with 2-75 ohm outputs. Average galn. 4.5 db to each output. Shpg. wt., $7 / 4 \mathrm{lb}$.
18 P 60725


## FM SUPERCHARGER - Transistorized

- Gives You 8 Times More FM Signal


55 - Ideal for Sterea and Monaural FM - Easy to Install

Model FM-340. Greatly improves FM and FM stereo reception. Transistorized booster-amplifier adds +17 db gain ( 8 times more signal) to incoming signal. Ideal for fringe and deep fringe areas. 300 ohm input and output. Bandpass: $88-108 \mathrm{MHz}$. Operates on 110.120 VAC 60 Hz .
18 P 60642 Shpg. Wt., 3/4 Ibs.
Net 14.55

## ACCESSORIES FOR DISTRIBUTION SYSTEM



Model VTF-73A-Flush mounting 82 channel variable line tap. Matches 75 ohm input to 300 ohm output. Fits standard wall box-with plug. 18 P 60774 Shpg. wt., 7 oz.
.
.Net 3.85 Model SM-1- llugged plastic, surface mounting wall box for outlets or line tap-ofis. Shpg. wt., 6 ox. Model T-28-82-channel molded matching transformer for attaching 75 ohm coaxial cable to 300 ohm antenna terminals of TV set. Features very low insertion loss with F-59 connector. Shps. wt., 7 oz. 18 P 60204

Net 2.19
Model T-20M Mast mounted 82 channel. Matching Transformer matches 300 ohm antenna to 75 ohm coaxial cable. Complete with mounting clip, weatherproof boot, and F-59 connector. Wt. 802. 18 P 60816
Mode! CS-285-Behind set VHF-UHF signal splitter.
18 P 60584 Shpg, wt., 4 oz .
Net 2.30
Net 2.30
Model CS-175-Behind set VHF-UHF signal splitter and 75-300 ohm matching transformer with $\mathbf{F} .59$ connector.
18 P 60675 Shpg. wt. 4 oz .
.Net 3.99

# Color TV-FM Boosters 

## LAFAYETTE COLOR-BOOST TRANSISTORIZED VHF.FM ANTENNA BOOSTER <br> LAFAYETTE COLOR-AMP. TRANSISTORIZED VHF-UHF-FM ANTENNA BOOSTER



- Gain +14.6 db - Supplies TV set Up To 5 Times More Signal - Low Noise High Gain Transistorized Circuit Use With Any VHF (Ch. 2.13) Or FM Antenna
Solid-state antenna preamplifier for supert fringe area reception. Gives sharp color and clean black and white pictures without snow and interference plus provides a healthy boost to FM. Features ex. clusive lightning protection circult, highest quality components, and latest $\mathrm{RF}^{\mathrm{F}}$ circuit technigues. Weatherproof outdoor housing has handy five way mounting bracket and "no-strip" screw terminals. Separate power supply plugs into any 117 VAC., 60 Hz outiet. AC Separate power supply plugs into any $i$ isolation transformer in the power supply eliminates shock hazard isolation transtormer in the power supply eliminates shock hazard. Has single 300 ohm input and output. Shpg. wi., $14 / 2$ lbs.
18 P 02131

FOR CHANNEL 2-83 \& FM/STEREO


- Gain 20 db VHF-FM - 10 db UHF - Uses Low Noise 2-Transistor Solid-State Circuit
- Use With Any Outdoor TV or FM Antenna - AC Isolation Transformer-No Shock Hazard
Enjoy vivid color and crisp black and white pictures; instantiy improve your FM reception. 2 -transistor solid-state mast-mounted preamplifier overcomes downlead losses and rejects interference, match. ing your roof antenna to your TV or FM set under all atmospheric and weather conditions. Gives 20 do boost to VHF and FM; 10 do to UHF. Designed for moderate to fringe area signals. Weatherproof outdoor housing mounts easily on an antenna boom or mast. Complete with 117 VAC indoor power.supply and hardware. Has single $300-0 \mathrm{hm}$ input and output thru "no-strip" screw terminals. Shpg. wt., 11/2 $1 \mathrm{lb5}$. 22.50 18 P 02149


## LAFAYETTE TRANSISTORIZEO 4-SET VHF-UHF-FM ANTENNA BOOSTER <br> FOR CHANNEL 2.83 \& FM/STEREO

- 300 ohm Input - 4-300 ohm Outputs
- Ideal for Home TV/FM Entertainment Systems
- Perfect For Color And Black and White

Highly efficient 3 transistor indoor amplifier boosts and distributes VHF/UNF/FM signals to as many as tour TV and/or FM receivers. Three Noverload if silicon overlay transistor circuitry provides 6 do VHF gain and 6.5 do UHF galn at each of four $\mathbf{3 0 0}$-ohm outputs. Flat response across each channel for excellent color. 15 do gain isolation between outputs. High input signal capability boosts weak signals but will not overload from other strong signals in area. pilot light. Amplifier and power supoly are combined into one per. forated steel cabinet. Size: $2 \mathrm{Hx4D} \mathrm{\times 61/4"W}$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Im. ported. Shpg. wt., $11 / 2 \mathrm{lbs}$.
18 P 02214



Model SP-2382CD VHF/UHF/FM Mast Mounted 3 Transistor Amplifier. 12 db gain on VMF and FM, 14 db gain on UHF. Clears Up ghosts, snow and interference, for color, black and white and FM reception. 300 ohm input and outputs. Weather and lightning protected ampli. fier unit mounts on mast for high signal to noise ratio. Compact power supply. Needs only one downiead from VHF/UHF/FM antenna. For 110.120 VAC, 60 Hz . Shpe. wt., $2 \mathrm{~V} / \mathrm{h}$ ibs.
18 p 39158 No Money Down**................................... 44.00 Model SP-2300CD Similar to above except for VHF-Ch, $2-13$ and FM only. Power supply has bullt-in coupler to operate two sets. Gain/ VHF-One set, $14 \mathrm{db}, 2$ sets 8.5 db at each output.
18 P 39182
Net 35.65


Modet PC-4382CD VHF/UHF/FM Director 3 Transistor Ampllitier. Im. proves performance of any VHF/UHF/FM combination antenna using ne downiead. Broadband design. 300 ohm input splits to four 300 ohm outputs with 6.5 db gain per output. Network completely isolates each output and prevents interaction. Uitralow nolse silicon "Noverload" transistor circuitry. Improves cotor reception. Easily mounts In any posifion on any surface. For $110.120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: $5 \times 34 / 2$ K1才". Shpg. wt., 2 los.
..Net 31.88
18 P 39166
Model PC-4312CD Similar to above except for VHF-Ch, 2-13 and FM, 8 db gain per output.
18 P 39114
Net 22.50

# BLONDER-TONGUE <br> TV and FM Boosters 

## 4-SET VHF-FM TRANSISTORIZED DISTRIBUTION AMPLIFIER

${ }^{\text {only }} 20^{10}$

- For Color and Black and White - For Up To 4.TV Or FM Sets

Modef DA-4V-300 indoor $\mathbf{3 0 0}$-ohm amplifier for channels $\mathbf{2 - 1 3}$ plus FM. All solid-state transistor amplifier can supply up to 4 sets. Galn: At each of 4 outputs-VHF (ch. 2-13) 6 db: Marimum signal-to-noise ratio for clear pictures. Excellent isolation between outputs prevents interaction between sets. Use in home and small 300 -ohm systems. Stripless serew terminals. Self contained power supply. $84 / 4 \times 31 / 4 \times 1 \%$. $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., $11 / 4 \mathrm{lbs}$.
18 P18335
Net 20.10

## 4-SET VHF-UHF-FM TRANSISTORIZED DISTRIBUTION AMPLIFIER



Four-set, UHF/VHF/FM amplifier and signal divider. Provides 4 amplified outputs from single input. Handies high signal strength areas. Uses exclusive patented ICEF circuit for wide dynamic range. Stripless screw connectlons. Four-way lightning and surge protection. 300 ohm twin lead inputs and outputs. Gain at each of four outputs - VHF 7 db , UHF: 8 db . High isolation between TV sets. For $105-129 \mathrm{VAC}$ 60 Hz . Size: $81 / 4 \mathrm{I} 31 / 2 \times 24 / 4^{\circ \prime}$. Shpg. wt., 1 it.
18 P 18343
Net 32.70

## 4-SET VHF-UHF-FM 75-OHM DISTRIBUTION AMPLIFIER

MODEL DA-4UV.75. Similar to above, except with 75 -ohm input and 4.75 ohm outputs, Gain to each output-VHF: 5 db, UHF: 10 db 18 P 18442 Shpg. wi., 1 ib. No Money Down* ............Net 36.20


## 4-Set VHF/UHF/FM AMPLIFIER/COUPLER

药 $15^{70}$

- 4.300 Ohm Outputs
- For Channels 2 -83 Plus FM

Homer 300 U/V indoor, solid-state, 4 -output, 300 -ohm VHF-UHF.FM indoor powered amplifier/coupler for VHF/UHF channels 2.83 plus FM. Low noise transistorized circuitry. Excellent is olation between outputs prevents interaction between sets. $300-0 h m$ balanced input/ output impedance. Gain: At each of 4 outputs-VHF (Ch. 2-13) $8,5 \mathrm{db}$; UHF (Ch. 14-83) 2.5 db . All terminals with stripless screws. Size: 3 x $44 / 2 \times 15 / \mathrm{m}^{\prime \prime}$. For 117 VAC, 60 Hz . Shpg. wt., $3 / \mathrm{Ib}$. 18 P18392

Net 15.70
MAST-MOUNTED HIGH GAIN


Delure two-plece mast mounted amplifier for use in the most diflicult reception areas. One of the most powerful units avallable for the home. May be used in small hotels, appllance stores, etc. Will drive up to 50 sets in a properly designed distribution system. May be used as a preamplifier for an HAB or other distribution amplifier. Power Is duplexed onto lead connecting amplifier and its remote power supply. (Power supply is included with untt). Mast mounted amplifier has 300 ohm input ans 75 ohm output. Specs.: 30 db gain on all VHF and FM frequencies. Remote Amplifier/Power supply mounts anywhereindoors. Single 75 -ohm input and output. Supplied with coaxial connectors. Size: Mast Mounted Unit- $51 / 4 \times 375 \times 31 /{ }^{\prime \prime}$ "; Indoor Ampllitier/ Power Supoly- $81 / 4 \times 31 / 2 \times 21 / 4^{\circ}$. For 117 volts $A C, 60 \mathrm{~Hz}$.
16 P 16376 Shpg. wt., $23 / 4$ ibs.
Net 47.20

MAST-MOUNTING VHF-UHF-FM AMPLIFIER
$37^{00}$

- 4 Silicon Transistors
- For Color and Black and White
No Money
- Built-In FM Filter

Sown
Voyazer weatherproof all-channel $\{2-83)$ amplifier and remote power supply. sillcon transistors provide peak performance. WIII not overload it there are strong local stations. Dual amplification increases sig. nal up to 5 times. Has separate 300 -ohm UHF and VHF inputs and outputs and FM overload filter. Protected against lightning. static discharge and powerline surges. Gain: VHF (ch. 2-13) 15 db ; UHF (ch. 14-83) 12.5 db . Complete with power supply and mounting hardware. Size: $21 / 6 \times 31 / 8 \times 13 / \mathrm{m}^{\prime \prime} ;$ Power supply, $47 / 4 \times 31 / 8 \times 17{ }^{3 / \prime}$. For 117 VAC. Shpg. wt., 2 lbs.
Indoor Power Supply 18 P 18095 ...........................Net 37.00

## MAST-MOUNTING 2-TRANSISTOR VHF/FM AMPLIFIER

Horizen solid-state, mast-mounted home TV amplifier with remote power supply. 2.transistor circuit brings in distant and local stations with sparkling clarity and no overloading. Buill in 2 -set coupler. Gain: At each of 2 outputs-VHF (ch $2-13$ ) 16 db . Hardware provided.
 appearance to above. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wt., $11 / 2 \mathrm{lbs}$.
18 P 18103
Net 27.70


Control Box
$35^{95}$ - Solid State Control Box - Will Handle Largest Color TV Antenna

- Heavy Duty Thrust Bearings

Model PM-1. Just set the dlal and the PrismMatic automatically alms your antenna to the direction indicated. Complete solid state control unit assures precise synchronization throughout the full $360^{\circ}$ rotation. Highpower OC motor allows low current to pass thru the leads. Has automatic shut-off, positive braking and iltuminated dial. Off: center loading ensures non-breakage. at 1300 ft . Ibs. Accepts masts up to $11 / \mathbf{2 c h}^{\text {ac }}$ diameter. In addition, unit is short circuit proof, burn-out proof and lighining protected. Operates at temperature extremes from $-30^{\circ} \mathrm{F}$ to $+140^{\circ} \mathrm{F}$ and $100 \%$ humidity. Factory lubricated for life. Suppiled with corrosion resistant mounting hardware. Control unit is hi-impact belge and brown poiystyrene cabinet with brushed compass face, $27 / 3 \times 51 / 4 \times$ 7". 105-130 VAC. Uses 4 conductor cables. Shpg. wt. $71 / 2$ lbs.
18 P 18418 W
For cable llsting see page 297.
Rotator

# (2) Alliance Tema-Rotoro Systems 

## - $28^{78}$

 $35^{97}$(C) No Money Down* (A)


- Factory Lubricated for Life
- Reinforced Housing Weather Protected
- External Hardware of Corrosion Resistant Materials
- Full $360^{\circ}$ Rotation
(A) Model C-225 Automatic Rotor System with Transistorized ConTrol Box. Enables you to receive the brightest, clearest picture possible and eliminate Interference with pin-point accuracy. You can bring in more stations and in addition. you have the sensitive tuning required for Color TV viewing, CB, \& Amateur Radio. Accepts masts to $17{ }^{\prime \prime}$ O.D. Guy wire accesses provide secure installation. Has patented offset feed thru design for greater strength-to-weight ratio. Control Case is solid-state, featuring a patented phase-sensing oridge circuit from scientlfic laboratory test equipment. Completely silent operation and accurate repeatability. Sire: Rotator: $77 / 4 \times 4 \%$ $\times 8^{\circ}$, Control Case: $61 / 2 \times 4 \mathrm{~V} / 4 \times 5^{\circ} .115 \mathrm{~V} .60 \mathrm{~Hz} \mathrm{AC}, 80$ Watis. Uses 5 Cond. Cable. Shpg. wt., $91 / 3 \mathrm{Ibs}$.
18 P 14011 W
Net 35.97
(B) Model U. 100 Automatic Rotor System. Accepts masts to $17 \mathbf{k}^{\prime \prime}$ O.D. Guy wire accesses provide secure installation, Control Box fully automatic, just set control knob and antenna rotates to desired position and stops automatically. Indicator shows position of antenna. Has positive mechanical stop at the end of rotation. Sizes: Rotator $73 / 4 \times 41 / 2 \times 8^{\prime \prime}$. Control Case $7 \times 41 / 2 \times 4^{\prime \prime} .115 \mathrm{~V}, 60 \mathrm{~Hz}$ AC at 65 Watts. Uses 4 Cond. Cable. Shpg, wt., 942 bs. 18 P 14037 W

Net 28.78

CORNELL DUBILIER ROTORS

AR-22R AUTOMATIC ROTOR SYSTEM (units 1 \& 2)
Heavy duty rotor will handle antennas up to $\mathbf{1 5 0} \mathrm{ls}$. Developed from years of experience in the amateur radio fleid. Completely weather. years of experience in the amateur radio fleid. Completely weatherproof and life lubricated. Simple automatic operation. Set the edzeIit dial at the desired position and the rotor will automatically rotate to this position and firmly brake in place. Reversible clamps will accommodate masts from $7 / \mathrm{an}^{\prime \prime}$ to $2^{\prime \prime} 0.0$. Controt unit is marked in compass points. Housed In attractive glach Vinyl steel clad cabinet, dial ede llluminated Complete with rotor, control unit and instruc. dial edge 11 uminate for $110 / 120$ volt, $50-60 \mathrm{Mz}$. A. Wt. 15 ths tions. Uses 4 wire cable. For $110 / 120$ volt, $50-60 \mathrm{Mz}$. A.C. Wt. 15 hbs. 42 P 86076 W No Money Down ${ }^{*}$

## AR-33 SOLID STATE AUTOROTOR ${ }^{\text {TM }}$ (units 1 \& 3)

- Fully Automatic Pushbutton Antenna Rotor

For 5 Specific Stations
Advanced design, heavy.duty antenna rolor. Control unit; features an exclusive CDE patented circuit with five station pushbutton automatic control function, plus $360^{\circ}$ compass dial operation; pushbutton feafure can be pre-set to select any five antenna positions buttom itilly Quiet operating solld state circuitry includes rugged automatically. Quiet operating solld state circuitry includes rugged slificon transistors protected by an RF bypass provision, heavy duty relay contacts, and thermally protected transformer. Unit controls the famous CDE heavy-duty "Bell" rotor. Uses five conductor cable. For $110 / 120 \mathrm{~V}$., $50 / 60 \mathrm{~Hz}$ AC. Shog. wt.. 16 ths. 42 P 86100 W No Money Down*

Net 49.95



- Will Handle the Largest Color TV Antenna In Winds In Excess of 90 M.P.H. Rotation Speed 1 R.P.M
- Magnetic Brake for Instant Stops with No Drift
[C] Model 7.45 Manual rotor System. Silight pressure on the control bar rotates antenna through lis full $360^{\circ}$ cycle and stops at any point by releasing the bar. New patented 5 .wire circuit provides a pre. cision system that is unaffected by motor current, cable length and line voltaze variations. Improved electrical system with expanded meter scale, assures pin-point accuracy and easy-to-read antenna direction indication 115 y 60 Hz at 70 Watts, size: Rotator $73 / 4$ $44 / 2 \times 8^{-}$. Control Case $61 / 2^{\prime} \times 41 / 2 \times 21 / 2^{\prime \prime}$. Uses 5 Cond. Cable. 18 P 14029 w Shpg. wt., 10 lbs.

Net 24.03
[D] Model K. 22 Manual Rotor System. Economy model-provides in. stant fingertip control of rotation. Push on end of bar and antenna turns clockwise. Push down on other end and antenna turns counterclockwlse. Automatic signal light indicates when limit of travel in eilther direction has been reached. Size: Rotator $73 / 4 \times 41 / 2 \times 8^{\circ}$. Case $5 \times 5 \times 4^{\circ}$. $115 \mathrm{~V}, 60 \mathrm{Mz}$. AC at 50 watts. Uses 4 Cond. Cable. 18 P 14045 W Shog. wt., $81 / 4 \mathrm{lbs}$.

Net 19.37
(E) Thrust Bearing gracket. Recommended for stacking antennas Withstands winds up to 90 M.P.M. Prevents buckling and bending. Shpg. wt., 2 lbs.
18 P 14052
Net 2.97


## CABLES FOR ALLIANCE ANO COE ROTATORS

# TV Couplers-Splitters-Filters 

LAFAYETTE 2-SET VHF-UHF-FM COUPLER


- Up to 2 TV or FM Sets from One Antenna - Low Signal Loss

Couples 2 TV or FM sets from single TV/FM Antenna. Low inserfion loss and high isolation between sets. Ideal for color or black and white instaltations. Easy to install, no-strip $\mathbf{3 0 0 - 0 h m}$ input and output terminals and mounting hardware. When used with 82 channel (VHF.UHF TV sets, $99-40339$ signal splitter required (see this page). Imported. Shpg. wi., $50 z$. 99 P40313

Net 1.65

## BLONDER-TONGUE 2-SET UHF-VHF.FM COUPLER



## - Excellent Isolation

- No Strip Terminals

Model A-102U/V. Couples 2 TV or FM sets from one TV/FM Antenna. Low loss design and excellent isolation between sets prevents interaction. No strip terminals for use with $300-\mathrm{ohm}$ line. When used with 82 -channel TV set. with separate VHF-UHF antenna Input terminals, behind set signal splitter required (see 99-40339 this page). Sturdy, non-breakable case. Shpg. wi., 5 oz . 18 P18327

Net 2.30

## LAFAYETTE LO-PASS LINE FILTER

 399 - Duat Ferrite Core Coils

Exceptionally efficient line notse eliminator, Utilizing dual ferifte core colls, heavily wound. Etiminates line noises caused by motors, industrial RF, neons, appliances, etc. Particularly useful on TV and FM sets, radios, tuners, record players. Automatic attenuatton of unwanted disturbances. For $110.125 \mathrm{VAC}, 60 \mathrm{~Hz}_{;} 350$ watts max. Imported. Shpe. wt., 1 lb . 99 P 40057

Net 3.99

## LAFAYETTE 4-SET YHF-UHFFM COUPLER



- Up To 4 TV or FM Sets

15 From One Antenna

- Low Signal Loss

Couples up to 4 TV or FM sets from a single TV/FM antenna. Excellent design gives high isolation between sels and low insertion loss. For color and blach \& white. Easy to install, no-strip 300 -ohm input and output terminals, and mounting hardware. When used with 82 channel VHF.UHF) TV sets, $99-40339$ signal splitier required (see this page), imported. Shpg. wt., 502.
99 P 40321
Net. 2.15

## LAFAYETTE INDOOR VHF-UHF SIGNAL SPLITTER



- Separates VHF and UHF Signal from an 82.Channel Single Line Installation
Back of set, VHF-UHF signal splifter. Adapts a single all-channel $300-0 \mathrm{hm}$ twinlead to an 82 channel TV sef with separate VHF and UHF 300 -ohm input terminals. Low insertion loss and high isola. tion between VHF and UHF bands insures sharp plctures on color and black \& white. No-strip input terminals-includes pre-attached VHF.UHF leads. Imported. Shpg. wi., 3 oz.
99 P 40339
Net 1.65


## LAFAYETTE INDOOR VHF-UHF-FM SIGNAL SPLITTER 249

- Separates VHF, UHF, and FM Signals from a Single Line Installation


For use with VHF/UHF/FM antenna systems utilizing one 300 -ohm downlead. Effectively separates VHF, UHF, and FM signals for feeding into 82 channel TV set with set with separate VHF-UHF input terminals and FM receiver. No-strip input terminals and pre-attached output leads. Mounts on back of set. Low insertion loss and high isolation for strong N and FM reception. Imported. Shpg. wt., 302. 99 P 40032

Net 2.49

## LAFAYETTE HIGH PASS FILTER



A high pass filter for use at the antenna terminals of a TV set to block interfering signals from radio amateurs, police and taxicab transmitters, paging systems, X-ray machines, passing automobile ignition nolse, etc. Attenuation more than 25 db at 47 MHz . Only .5 db insertion loss. Imported. 99 P 40214 Shpg. wh., 5 oz . Net 2.39

## FINCO FM BAND PASS FILTER



MODEL 3007. Eliminates interference from citizen band, amateur operators, electric motors. aircraft, fluorescent lamps and auto ignition. Provides up to 40 db attenuation of all Interfering signals outside the FM band. Less than 1 do insertion loss in 88 to 108 MHz band. Recommended to be mounted at FM radio set for maximum eflectiveness but may be mounted anywhere In line for less serious applications.
18 P 30165 Shpg. wi., 502 . Net 4.80

## LAFAYETTE TV FILTERIZER



- Eliminates Most Television Interference
Easily adjusted to remove any antenna-fed interference causing picture distortion: FM, diathermy, SW, Ignition, amateur/CB, adja: cent channel, etc. Does not attenuate signal. Tunes out unwanted signal. Easily Installed. Size: $4 \times 21 / 4 \times 11 / 2^{\prime \prime}$. Imported. 99 P $40 \uparrow 72$ Shpg. wt. 1 it
...Net 3.95


## VIDAIRE COLOR GHOST ELIMINATOR


$3^{99}$

- Reduce Color Fringing
Get true color reception with this color ghost ellminator. Reduces or ellminates muitiple images (ghosts) in a picture. Reduce the effects of intermitting caused by strong signals of radio and TV Iransmitters in nearby areas. L-pad attenuator meeps constant 300 ohm impedance. Adiustable for all channels. Shpg. wt., 5 oz.
18 P 80020
Net 3.99

IFD HIGH PASS FILTER


- For OutdoorIndoor Use

Model HP50. Hi-pass wavetrap that elimlnates ham, cltizens' band, police, fire. marine Interference. Low phrase shift Ideal for color TV Indoor or outdoor mounting. No-Strip terminals ellminate wire-stripoing, splicing or cutting. Low insertion loss 300 ohm impedance. Shpg. wt., 402.
18 P 38200
Net 3.30

> VHF.UHF SEPARATOR and GHOST ELIMINATOR


Separate UHF and VHF signals at set whille it helps eliminate ghost and picture tear due to overloading in strong signal areas. Bulitin attenwating control eliminates poor sync., multiple images, juzz, beats in picture, etc. Slide switch to VHF or UHF depending on channel selected. To help eliminate a VHF ghost, throw switch to UHF and vice versa. Connects to back of set. Shpg. wt., $5 \mathbf{0 z}$. 18 P 12387

(2)

(2) 2-SET Vhf/UHF/fm COUPLER Model scaz Couples 2 iV or FM sets from one TV or FM antenna, Low insertion loss and high interset isolation makes this unit ideal for use on COLOR or BLACK \& WHITE installations. No-strip terminals provided for quick connectlons. 300 -ohms input and output. Supplied with wood screws for in. door use and insta mount adhesive. When used with 82 -channel (VHF-UHF) iv set either Model $\$ S-21$ or $\$ \$-83$ signal splitter required at your set.
18 P 38135 Shpg. wt. 5 oz. Net 2.40
(2) 3-SET VHF/UHF/TV COUPLER
model SC-62 Similar to above except couples up 103 TV or FM sets from one TV or FM antenna.
18 P 38143 Shpg. wt.. 6 oz.
Net 2.97
(2) 4.SET Vhf/Uhf/FM COUPLER
model SC12 similar to above except couples up to 4 TV or FM sets from one TV or FM antenna. Shpg. wt., 602.
18 P 38150
Net 3.30
(1) 2 2) 2anNTENNA COUPLER (VHF/UHF) Model SC20 combines separate VHF and UHF antennas so that only one 300 -ohm downlead is needed. High insulation for crisp clear color. No.strip terminals. Mast mounting hardware supplied.
18 P 38127 Shpg. Wt. 5 oz. Net 2.85
(4) INODOR VHF/UHF SIGNAL/SPLITTER

Model $\$ 521$ splits VHF/UHF signal from all-channel 300 -ohm single downiead into separate VHF-UHF outputs. For feeding into 82 -channel TV set with separate VHF UHF anterna input terminals. Migh and low pass filter networks insure sharp, clear puctures-Color or black/white. No interaction because UHF and VHF lines are completely isolated from each other. No Strip terminals. Includes wire lead. Mounts quickly with insta-mount adhesive.
18 P 39083 Shpg. wt., 3 oz. Net 2.40

## (4) INOOOR VHF/UHF/FM SIGNAL SPLITIER

Model SS83 similar to above except splits VHF/UHF/FM signal into separate VHF/UHF and FM outputs. Shpg. wt., 502. 1A P 39091

Net 2.97

## (5) VHF/UKF SPLITTER 75.300 OHM

 matching transformerModel MT-56 2 -way 75 to 300 -ohm matching transtormer. Plus splits VMF/UHF signal from all-channel. single 75 ohm downlead into separate VHF/UBF outputs. for feeding into 82 -channel TV set with separate VHF-UHF antenna Input terminals. With coaxial cable fitting.
18 P 39133 Shpg. wt.. 6 oz.
Net 2.97

(5) VHF/UHF/FM SPLITTER 75-300 OHM MATCHING TRANSFORMER
Model MT-58 similar to Model MT-56 except spllts VHF/UMF/FM signal into VMF/UHF and FM outputs. Shpg. wt., 4 oz.
18 P 39190
Net 4.17
2 WAY VHF/UHF/FM 75-OMM LINE SPLITTER (3) Model SC42-75 splits one $75 \cdot \mathrm{ohm}$ VMF UHF/FM line into two 75 -ohm outputs. Also combines two 75 -ohm lines into one line. 3 mating plugs supplied.
18 P 39109 Shpg. wt.. 5 oz. Net 6.50 4-WAY VHF/UHF/FM 75 OHM LINE SPLITTER (3) Model SC72-75 splits one 75-ohm VHF/ UHF/FM line into tour $\mathbf{7 5}$ - ohm lines. Excellent for use in home or master antenna TV system. May be combined with an (SC42.75) to provide any number of lines. 5 mating plugs supplied.
18 p 39117 Shog. wt., 8 oz . Net 8.70 (1 2 2)TV/FM SPLITTER-COUPLER FM FILTER Model SSTV/FM splits FM signal from TV/FM signal to FM set-and IV signal to TV set. Ideal for stereo-prevents interference. Can also be used as FM bandpass which will admit clean FM signals only through to the FM tuner. Can also combine TV and FM antennas into a single system. Eliminates all TV. amateur and citizens band signal pichup by antenna or transmission line. 300 -ohm impedance. with hardware.
18 P 39125 Shpg. wt. 10 oz . Net 3.30

## IFD VHF-UHF-FM COAXIAL CABLE MATCHING TRANSFORMER KIT

- 75-300 Ohm Impedance Match
- Includes Outdoor and Indoor Units
- Ideal for COLOR TV

Model MT-51 Complete wit of matching transtormers for installing TV \& FM antennas. For use with noise-free 75 -ohm coax cable. weather-proot outdoor transformer matches any $300-\mathrm{hm}$ antenna to $75-\mathrm{hm}$ coaxial cable. Indoor transformer at set matches the 75 -hm coax to the 300 -ohm TV or FM set. Includes coaxial cable fittings. Shpg. wt . $1 / 2 \mathrm{lb}$.

## 18 P 38895

Net 4.20

## MATCHING TRANSFORMER KIT WITH VHF-UHF-FM SPLITTER

Model MT-59 similar to above except indoor unit has separate VHF/UMF and FM outputs. For teeding into 82 -channel TV set with separate VHF-UHF antenna input terminals plus FM set. With fittings. Shpg. wt. $1 / 2$ ib.


## LAFAYETTE INDOOR/OUTDOOR VHF-UHF-FM 75.300 MATCHING TRANSFORMER

- Rugged Weather-Proof Housing with Weather Boot
- Ideal for Color TV

82 echannel VHF-UHF matching transformer efficiently matches $300-\mathrm{hm}$ antenna or TV set to 75 -hm coaxial cable. Weatherproof unit has leads which attach directly to either antenna terminals on set. With coneither antenna
nector. Shpg. wt., 4 oz. 1 mported 99 P 40347

Net 1.95

## JFD 2 SET 75-300 OHM COUPLER/ MATCHING TRANSFORMER

Model SC42-730 2 set VHF-UMF-FM Coupter, For use with apartment house master anten. na systems. 1.75 ohm input, 2.300 ohm outputs. With coaxial input filting supplied. Shpe. wt. 8 oz.

## Net 5.97



## 18P39349

## VIDAIRE SIGNAL ATTENUATOR

May be used with all TV sets troubled with eacessive signal. Eliminates poor sync.. multiple images, buzz. beats in picture, etc.. muitiple images, buzzi beats in picture, etc.: 1000 to 1 change in signa! reaching set. Reduces most cross-modulation effects. Adjustable for all signal areas. Simple to



## NOISE FILTER

- Stop Radio \& TV Noises

Eliminate radio and TV noise caused by household appliances, oll burners, motors, neon signs, etc. Just plug filter in any wall outlet and TV or radio into filter and enjoy noise-free entertain. ment; or plus noise producing appliance into filter and eliminate nolse throughout house Shpg. wt., ${ }^{4}$ oz.
18 P 19010.
Net 1.39
...... $\mathbf{N}$
Lafayette Cat. No. 730

# Gowt Rwer <br> HEAVY-DUTY SUPER MOUNT $8^{90}$ 

Model CMAs00SS super-heavy pair of chimley mounts made of cast aluminum alloy Extra strong and durable. Will withstand the most severe weather conditions. Two 12 ft . stainless steel $3 / 4^{\prime \prime}$ straps and stainless steel seals. Six aluminum comer brackets to protect chimney bricks. The most ideal and permanent installation for those who want quality and durability. Will hold masts up to $2^{\prime \prime} 0$. .
18 P 56012 Shpg. Wi., 33/4 lbs. Net 8.90 Same as above with 18' straps. 18 P 56277

Net 9.95


Model ST.SN. Constructed of $100 \%$ stainless steel for a completely rust-proof, cor-rosion-proof installation. Features two 12 ft . $7 / 4^{\prime \prime}$ stainless steel straps and heavy-duty riveted stainless steel brackets and hardware. Snap-in mast sockets eliminate holding mast while applying hardware, shpg. wt., 3y lds.
$18^{\circ} 956400$
Net 6.50


RATCHET TYPE CHIMNEY MOUNT $4^{95}$
Fastens easily with an ordinary wrench. Two 12' heavy-duty stainless steel straps as sembled at one end. Two heavy-gauge brackets per set with serrated U-bolts. Easily -assembled. Rainbow gold color rustproof finish. Accepts masts up to $11 / 2$ " 0.D. Shpg. wt., $37 / 4 \mathrm{lbs}$.
18 P 63315
Net 4.95


## '2' TYPE CHIMNEY MOUNT

"Z-MOUNT" design provides simple installation and sturdy sup. port. Heavy gauge steel construction with gold color rust proof finish. Takes up to $11 / 2^{*}$ O.D. masts. Nith 2-10 ft . stainless steel $5 / 8^{\prime \prime}$ straps and seals. Shpg. wt., 21/4 lbs. 18 P 01653

Net 2.95
Heavy Outy ' 2 ' mount. Similar to above with $2-12^{\prime} 3 / /^{\prime \prime}$ stainless steel straps. Shps. wt., $21 / 2 \mathrm{lbs}$.
18 P 02222
Net 3.99

## STAINLESS STEEL STRAP REPLACEMENT KIT



Consists of 2-12 It. $3 / 6^{\prime \prime}$ stainless steel straps, stainless steel seals, Irlangular eye bolts, lockwashers, heanuts. Puts an end to rust and corrosion. Shpg. wt., $1 / 2$ lbs. 18 P 63091

Net ea. 2.09

## TV Antenna Mounts-Towers

heavr.duty 12 " wall mount


- RIGID TRIPOD

LEG SUPPORT

Completely constructed of steel, using extra heavy gauge steel tubling which will not bind. Protected against corrosion by the ALCOTE finish. Special "sure grip" U-bolts. Holds mast up to $11 / 2^{\prime \prime} \quad 0.0$. tripod leg for one section, (Set of 2.)
18 P 63059 Shpg. wt., $21 / 2$ lbs. Net 3.45 ADJUSTA8LE $18{ }^{\circ}$ WALL MOUNT
(Set of 2) Wt., 41/4 Ibs.
18 P63067
Net 6.75

## 4" WALL BRACKETS



4" STAINLESS STEEL WALL BRACKET. AII stainless steel construction for extremely long life. Provides $4^{*}$ clearance from wall. With special shaped U-bolt to hold masts up to $1 \mathrm{y} / \mathbf{2}^{2} 0$. D. (Set of 2.) Shpg. wt., 1 lb .

## 18 P 01968

Net 2.39
4" WALL 8RACKET. Securely grips all masts from 1" to $11 / 2^{\prime \prime} 0.0$. Made of rust resistant steel. With hardware. (Set of 2.)
18 PO1661 Shpg. Wt., W Ib. ....Net 1.09


SNAP-IN VENT PIPE MOUNT $2^{50}$
6" Snap in feature eliminates holdink of mast while applying hardware. Single fronit iocking carriage bolt for easy one hand tightening. Fits vent pipes up to $6^{\prime \prime}$. Heavy gauge mount resists corrosion. (Set of 2.)
18 P 63349 Shpg. wt., 1 to.
Net 2.50


## PEAK AND FLAT ROOF MOUNT

A heavy gauge steel roof mount. Heavily plated to resist corro. sion. Wils accommodate masts up to $1 \mathrm{~V}^{2}$ diameter. Fully adjustable, can be easily rotated. Complete with all necessary hardware. Shpr. wt. 2 lbs. 18 P63083

## ALL-ANGLE MOUNT

- Accepts $1 / 2^{\prime \prime}$ to $13 / a^{\prime \prime}$ Masts
All-angle mount permits setting of $1 / 2^{\prime \prime}$ to $11 / \mathbf{"}^{\prime \prime}$ masts at most suitable angle for maximum re. ception. Rust-resistant steel. With mounting hardware. Ship. wt., 10 oz.
18 P 01992
Net .89



Model ST-SN-6. All components of inis heavyduty wall bracket outfit are constructed of rust-proof, corrosion-proof $100 \%$ stainless steel. Consists of two $6^{-}$riveted stainless steel wall brackets with convenient snap-in type mast grips. Complete with all stainless steel mounting hardware. Shpg. wt., 3 lbs. 18 P 56418

Net 2.95

## HEAVY-DUTY ALUMINUM EAVE MOUNT



## $5^{95}$

Model EM.48AL. 48* eave mount, constructed of high-strength aluminum. Exclusive swivel mast support and heavy-duty riveted construction make installation easy and permanent. Can be used for supportine Ground-Up Relescoping mast installations of ud to 50 ft . and up to $21 / 4$ inches 0.0 . Shpr. wt., 5 lbs. 18 P56426W

Net 5.95

ANTENNA MOUNTS
HEAVY-DUTY TRIPOD

As Low As
$7^{25}$ Heavy-duty, self-supporting tripod tower ellminates guying. Constructed of heavy ( $11 / 4^{\prime \prime} 0.0$.) components embossed for extra strength and rigidity. Designed for convenient mounting on all peak or flat rooftops. Exciusive adjustable slide permits mounting to randomly spaced roof rafters. Hot-dipped galvanized to proulde utmost protection against corrosion or rust. Roof sealing watertight pitch patches supplied. Recommended for color TV installation where heavy multi-element antennas are used Complete with pitch patches and hardware. Modet HDT-3 For $6^{\prime}$ tower. Use with 5' mast. Shpg. wt. $81 / 4$ lbs
18 P 56285W
Net 7.25
Model HDT.5 for $12^{\prime}$ tower. Use with $10^{\circ}$ mast. Shpg. Wt., $131 / 4 \mathrm{lbs}$.
18 P 56293W
Net 11.40

## UNIVERSAL ALL-POSITION MOUNT

A strong self-supporting mount which ajjusts to any position on peak, slope, flat, corner, of sidewall of building. Poshive loching braces eliminate need for guy wires in most installations. Two plane adjustment for true vertical allgnment of mast. Made of heavy gauge hot dipped galvanized steel.
Model-APM Standard model for masts up to $11 / 2^{\prime \prime} 0$.D.
18 P 56319 Shpg. wt., $51 / 2$ lbs.
Net 4.70
Model APM-IM large model for masts up to $2 \mathrm{y}^{\prime \prime}$ O.D.
18 P 56327 Shpg. wt., $51 / 2$ lbs.
Net 5.75


Latest polyethylene insert will accommodate twin-tead, open line, holtow and tubular IInes, round lines, oval lines double lines,
(1) SCREW-EYE STANOOFF. First choice for last secure anchoring. Shpg. wt., $70 z$. last secure anchoring.
$31 / 2=4$ pleces per pkg.
$31 / 24$ pleces
18 P 01679
PKG. 29
$51 / 2^{\circ}$ \& pieces per pkg.
18 P o1687
PKG. 39
$742^{\prime \prime}$ 4 pieces per phg.
16 P01695 PKG. 49 STAINLESS STEEL SCREW-EYE STANO DFF 3V2".
18 P 017034 pieces per pkg. PKG. 69 (2) ORIVE-IM STANODFF. Made of galvanized steel. Av. shpg. wt., 4 oz.
18 POIJ11 2 pieces per pkg. PKG. 29 (3) ADIUSTABLE STRAP-TYPE STANODFF. Fits any size mast. Av. shps. wt. 6 oz .
$712^{\prime \prime} 2$ pleces per phg.
18 P 01729
PKG. 49
$34 / 2{ }^{\prime \prime} 2$
18 pieces per pkg.
18
18 PO1737
PKG. 39
(4) "CLIP-ON" STANDOFFं. Attach to mast instantly-"Cllch" and they're on $31 / 2=$ long. Av. shog. wt., 402 . For 14/4 mast.
18 P 017452 pieces per pkg. PKG. 35 (5) SUPER NAIL INSULATOR. Easily drives in. brick, mortar, wood and even most concrete. Secure connection. $3 \% 6^{*}$ long. Shpg. wt., 402.
18 P 017522 pieces per pkg. PKG. 35 (6) COLOR VMF/UNF SCAEW.EYE STANDOFF. for all UHF/VMF lines. 3 pcs. per pkg. $54 / 2^{*}$ long. Shpe. wt., 502.
18 P 01760
PKG. 59
(7) OPEN LINE STANOOFF. For use with open line transmission wire instaltations. Polystyrene block and galvanized steel hard ware. $54 / z^{\circ}$ nali type. Shpe. Wt., 802.
18 P 580675 pieces per pkg. PKG. 89 (0) STAMO-OFF SUPPORT. Break resistant plastic-adhesive base. Attaches firmly to aluminum, brick, concrete-all surfaces. Use with any machine or wood screw-eye.
18 P 37012 Shpg. wh., 2 ot. Net ea. 22 (9) COLOR INSULAIORS. Converis most exist. ing standoffs for color. Phg. of 6. wt. 402. 18 P 01778

PKG. 29

model GND-ANT. Do-it-yoursell kit to minimize lightning strikes to vour antenna. Directs and discharges ercess to kround. Kit contains: 50 ft . heavy-duty electrical. conductor type, aluminum rround wire, cop-pered-steel around rod and clamp. U.L. listed liahtning arrestor, 6 around wire nail fasteners, ground wire warning tap and complete defailed instruction sheet. Shpe. wt., 23 l los. 18 P 56194
18 P 56194

# TV Antenna-Towers-Masts-Accessories <br> <br>  <br> <br>  <br> <br> Install on Ground or Roof <br> <br> Install on Ground or Roof <br> <br> TELESCOPING TV <br> <br> TELESCOPING TV MASTS 

 MASTS}

"XCE"
TOWER5

High quality beaded channel construction. All riveted, no welds to rust. Rugged, zinc plated steel. More strengthless wind resistance at tower top. Top sections accept any rotator. All sections lactory assembled. Each tower consists of one or more $8^{\prime}$ sections plus an $8^{\circ}$ mast, base plate, house bracket and mast kit assembly. Free standing installations require guying every $16^{\circ}$ Roof mount, and Ruy
stations are extra. stations are extra.

| Stock No. | Typo | - Hzt. | Sect. | Weight | Ne ${ }^{\text {l }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18 P $73025 \times 2$ | EP-2 | 22' | 2 | 51 lbs. |  |
| 18 P $73033 \times 2$ | EP-3 | $30^{\circ}$ | 3 | 71 los. | 51.60 |
| 18 P $73041 \times 2$ | EP-4 | $38^{\prime}$ | 4 | 90 lbs . | 65.85 |
| 18 P $73058 \times 2$ | EP. 5 | $46^{\circ}$ | 5 | 109105. | 73.60 |
| 18 P $73074 \times 2$ | EPR-1 | Roof | Base | 2165. | 5.75 |
| 18 P $73082 \times 2$ | GS-12 | Guy |  | 342 l 10s. | 5.00 |

## "XCB SERIES"-CYLINDER BASE

## NO CONCRETE REQUIRED

Extrome high strength self-supporting towers. Self-allgn ing hinge base for quicci easy installation. Can be assembled upon sectlon. All riveted $100 \%$ galvanized stepl con.
 struction prevents rust. With ${ }^{4}$.
mast, mast kit, 8 , tower sections.

| Stock Wo. | Type | - WEt. | Sect. | Weight | Nel |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18 P $73090 \times 2$ | X-16C8 | 23 | 2 | 89 lbs. | 63.70 |
| 18 P $73108 \times 2$ | $\mathrm{X}-24 \mathrm{CB}$ | $3{ }^{\prime}$ | 3 | 120 lbs . | 76.90 |
| 18 P $73116 \times 2$ | X-32CB | $39^{\circ}$ | 4 | 155 los . | 98.90 |
| 18 P $73124 \times 2$ | $\times$ - 40 CB | 47 | 5 | 184 fbs. | 126.90 |
| 18 P $73132 \times 2$ | X-48CB | $55^{\circ}$ | 6 | 272 lbs . | 126.40 |

Easy Pay Plan. Shipplag charges collected on delivery.

"Ep" TOWERS

## ALUMINUM ANTENNA MASTS

- Gold Alodized


Gold alodized aluminum mast; rust and cor rosion proot. Made of extra strong. drawn aluminum alloy. Two or more masts may be telescoped logether. 19 Gauge. $11 / 4^{\prime \prime} 0.0$. 18 P $38176 \mathrm{~W} 5^{\circ}$, Wt., $14 / 4$ lbs. Net 1.49 18 P $56145 \mathrm{WX} 10^{\circ}$, Ẅ., 2 fbs. Net 2.79

## heavy-duty aluminum mast

Heavy-Duty 16 Gauge gold alodized aluminum mast, recommended for larger color antennas. Shpg. wt.. 3 tbs.
18 P $39257 W \times 10$ feet $\qquad$ Net 3.49

## SUPER HEAVY-DUTY MAST

Made of high strength aluminum alloy. Recommended for use with rotors and large antenna installatlons. Length 10 ft . $11 / \mathrm{m}^{\prime \prime}$ O.D. Wall thichness full $1 /{ }^{\circ}{ }^{\prime \prime}$

Shpg. wt., $5 \mathrm{~V} / 4 \mathrm{lbs}$.

## 18 P 56202WX

Net 7.25
18 P 56269wx 10, $11 / 2^{\circ}$ O.D. Net 8.25 GOLD KOTE STEEL MAST

- Gold Colored to Match Most Antennas

Corrosion resisiant steel mast sectlons made to fit all antennas. Made of rigid steet tubing with rugged high tenstle strength. High ly protective gold-colored baked enamel finish for lasting beauty and endurance. "lam Fit" construction. $144^{\prime \prime}$ " $0 . \mathrm{D}$.

| $18 P 63257 W$ | 5 | 20 | 2 | 1.19 |
| :--- | ---: | :--- | :--- | :--- |
| 18 P63265WX | $10^{\prime}$ | 20 | 4 | 1.99 |
| 18 P63273W | $5^{\prime}$ | 16 | 4 | 1.89 |
| 18 P63281WX | $10^{\circ}$ | 16 | 4 | 3.19 |

## INSULATEO NAILS

Single head wiring nails excellent for fastening 300 Ohm twin lead antenna wire to woodwork, baseboard, etc. Does not affect signal. \#14xst" brown. Shpg. wt.. 402. 18 P 02032 Box of 50 Net .69

## STEEL GUY WIRE <br> Six strands of No. 20 high tensile strength Ralvanized steel wire. <br> 

33 P 31014 50 ft, roll. Wt., 1 tb.
.55 f. roll. WL, 2 los 33 P 31030500 ft . roll. Wi., $81 / 4$ ibs. 4.59

## VINYL COVERED GUY WIRE

6 strands of No. 20-gauge high tensile strength galvanized wire. Weatherproof, non-stretch, long lasting. Ideal for TV guy wire, clothesline, and numerous garden uses. Translucemt aqua green color.

| 32 | P | 36494 | 50 ft . roll |
| :--- | :--- | :--- | :--- |
| 32 | Pt. | $11 / 2$ | ibs, |
| 6502 | 100 |  |  | 32 P $36510 \quad 100 \mathrm{ft}$. roll, Wi. $21 / 2$ lbs. 2.00 32 P 36510250 ft . roll. Wt., $61 / 4$ lbs. 4.09

## ALUMINUM GUY WIRE

7.18 gauge stranded wires. Breaking strength
500 ibs. Shpg. wt., 2 lbs. 34 P 46275100 ft . roll

## ALUMINUM GROUND WIRE

$33 \mathrm{P} 31048 \quad 50 \mathrm{ft}$ coll. Wt. 1 to. 1.00 33 P 31055100 ft . coll. Wt. 22/4 lbs 1.93 33 P 31063500 ft . coil. Wt. $84 / 4 \mathrm{lbs} .9 .15$

(A) Takes up guy-wire slack, Rustproof gal vanized steel. Size $75 / \mathbf{b}^{\prime \prime}$ open. $54 /{ }^{\prime \prime}$ closed. Shpg. wt., $50 z$.
18 P 72175
.29
(B) Hook and eye type used where quick removal is required. Shpg. wt., 5 oz.
18 P 72183
29

## DOUBLE HEAO INSULATED NAILS

Same as natls on Jeft, but with $\because>$ double head. Recommended for alf tubular and shielded 300 Ohm twin lead. \#3x $7 / 4^{\prime \prime}$ brown.
Shpg. wt., 502.
18 P 02040 Box of 50 Net .89

Heavy duty telescoping masts. Ideal for any TV antenna apray. Hotdip zlac galvanizing inside and outside provides unusual ruggedness and impenctrable corrosion resistance. Designed for easy installation and assembly. Husky bolts lock sections atstomatically. No slipping. no twisting. Precision litting assures lasting service. 18 and 20 guge walls. Supplied complete with all guy rings, clamps and necessary hardware. Total 5 $10 . \mathrm{ft}$. sections for height up 10
$50 \mathrm{tt} .0 .0 .0 .1\left(144^{* \prime}\right)$. $2\left(11 / 2^{\prime \prime}\right)$. 50 H.: $0.0 .11\left(11 / 4^{\prime \prime}\right) .42\left(11 / 2^{\prime \prime}\right)$. Shipped express only.
SO-FT. Mast-Consists of alt 5 sections listed above: Nos, 1, 2, 3, 4 and 5. Height 50 feet. Shpa wt., $351 / 2$ lbs.
18 P 56095 WX
Net 19.95
$40-\mathrm{FT}$. MAST-Consists of 4 sections, Nos. 1,
2,3 and 4. Height 40 leet. Shpr. wt., $261 / 2$ 2, 3 and 4. Height 40 leet. Shpe. wi., $261 / 2$ 1Bip $56103 W \mathrm{~W}$

Net 15.95 30-FT. MAST-Consisis of 3 sections. Nos. 1. 2 and 3. Height 30 feet. Shpg. wt., $181 / 2 \mathrm{libs}$.
18 P 5111 wx
Net 11.95 20-FT. MAST-Consists of 2 sections. 11.95 and 2. Height 20 reet. Shpg. wt.. 13 los. 18 P 56129 WX Ni. Net 7.95
HEAVY DUTY PEAK AND FLAT ROOF MOUNT
Swivel base mounts on any surface-flat, slant, pealk or wall. Heavy gauge weath-er-proofed steel. Takes any mast up to $21 / 4^{\circ}$ O.D. Com. plete with hardware. Wt.. 3 ibs.
18 P 56186


Model cu-5, Made of heavy steel bar stock. Fits large masis up to $33 \mathrm{~s}^{\circ} 0 . \mathrm{D}$. Mast holder swivels $360^{\circ}$ permitting bracket to be mount. ed in any position. Ideal for heavy ground-up mast installations. Shigg. wt., $14 / 2 \mathrm{lbs}$.
18 P 56376
Net 2.49
3" PLATED GROUNO ROO


For use where plpe ground is not available. Heavy steel yoke for head. 4 H .
18 P 72159 W Shpg .wt.. $11 / 2$ lbs. ... 1.09
TV SERVICE LITE

Keep your hands free. Spring clamp with rubber covered ends attaches anywhere in TV cabinet. $41 / 4^{*}$ highly polished aluminum refiector uses standard 25 watt bulb. Complete with 6 ft . cord and plug. less bulb.
18 P 17014 Shpg. wt., $7 / 4$ lbs. Net 2.39

# TV-FM Installation Accessories 

## UNIVERSAL TVFM PLUG \& SOCKET

## $42 ¢$

Compact low loss $\mathbf{3 0 0}$ ohm plug and socket. Surface mounting socket - low loss polystyrene plug. Solderless screw terminals. Imported. Shpg. wt., 3 or.
99 P 40065 Plug 8 Socket Lots of 3

## SURFACE OUTLET AND PLUG



- Complete With Solderiess Plug

Surface mounting outlet and plug for TV.FM and loudspeakers. A neat baseboard mounted outlet with plug. Fits 300 -ohm twin lead or speaker wire. Nickel plated brass hardware with set screw connectors. Unbreakable ivory plastic, with mounting screws. Shpg. wt.. 3 or.
18 P 57259
Net .79

## SOLDERLESS TWIN-LEAO CONNECTORS

Plug fits transmission line socket below. Shpg. wt., 2 ot
99 P 40073
Solderless socket for above. Shpg. wt., 202
99 P 40081
Net ea. 24


## MOSLEY SHIELDED TWIN-LEAO SPLICER

- Permits Splicing of Shielded 300 . hm Twin-Lead


No need for twistink or soldering.
18 P 42061 Shpg. wt., 3 oz. ...... Net 1.00


6 ft ., brown replacement cord. It has regular molded plug on one end and special rubber plug on the other to fit TV sets. UL Histed. Shpg. wt. $40 z$
18 P 41014
Net . 39
Sarne as above but with polarized terminals at boih ends.Shpg. wt., 3 oz .
18 P 74015
Net .49

## interlock tv LINE SOCKET

[^20]
## AC-TV <br> RECEPTACLE AND WALL PLATE

Duplex AC receptacle and duplex TV recep tacle on one 2 gang wall plate. Puts both outtets in one location. Use with siandard wall boy. lvory only. Shpg. wt., 6 ors.
18 P 70062
Molded 2 contact plug for 300 ohm lead.
18 P 70138
Net 22
4 wire rotor combination plates. Simitar to above except includes 4 conductor rotor outlet in place of one 2 -wire outlet.
18 P 70039 Shpg. WL. 602 . Net 1.95 molded 4 contact plug for rotator lead. 18 P 70054

Net .42
5 wire rotor combination plate. Similar to above except includes 5 conductor rotor outlet in place of one 2 -wire outlet.
18 P 70161 Shpg. wt., 6 oz. .. Net 2.09 Molded 5-Contact Plug for Rotator Lead 18 P 70179 Shpg. wt., 6 oz. ..Net . 59

## MOSLEY WALL-PLATE FOR heavy duty Twin lead

- Complete With Plug, Wall Bracket. Hardware
- Excellent for All $300-0 \mathrm{hm}$ Shielded Cable and Tubular Cable
For IV installation where heavy-duty iwin-lead cable is used-shielded or unshielded. Low loss socket with solderless plug for easy installation, may be mounted with wall mounting bracket or in standard outlet box. With polarized plug and wall mounting bracket. Shpg. wt.. 6 or. 18 P 42020

Net 1.85

## MOSLEY TV-FM COAXIAL WALL PLATES

- For 75 Ohm Antenna Installation tvory coaxial outlets. flush mounting especially designed for superior color and black/ white reception. provides a constant impedance match with 72 ohm RG-59U coaxial cabte. Complete with all connector, plug. mounting brackets. Fit all standard wall out. tet boxes. Shpg. wt., 7 oz.

| Stock | No. | Oescription |
| :--- | :--- | :--- | :--- |
| I8 P | 42087 | 1 TV.FM Coas Outlet |

18 P 420951 TV-FM Coax Outlet Net
With 4- or 5 -wire rotor 3.95

## MOSLEY UNIVERSAL ROOF-THRU/ <br> WALL-THRU

Weatherproof entrance accessory for alt types of antenna and rotor lead in line. Mounts on any sloped roof or on the wall of any non brich structure with hardware included. Insect-proof housing molded of black cycolac for break-resistant strength. Easy to install with built on flange and rubber rasket. No roof cement needed. Shpg. wi.,
502.

18 P42079
Net 1.70

## UNIVERSAL BUSHING



Fits all types of coaxial or twin-lead wires. Fits walls up to $11^{\prime \prime}$ thick. Requires $3 / 4^{*}$ hole. Shpg. wt., 4 or
18P 72019
Net ea. 1.19

(1)

(2)

(3)

## LAFAYETTE TV/FM WALL PLATES

- Fits Standard Outlet Box
- Complete with Plugs and Mounting Bracket


## SINGLE TV/FM WALL PLATE

(1) Single TV/FM wall plate which can be used to neatly custom install an antenna system Plur is polarized and designed to secept a 300 ohm twin lead line. Ivary finish. 99 P 40131 Shpg. wt., 4 02... Net . 99

## OUPLEX TV-FM WALL PLATE

(2) A dual TV/FM wall plate designed to supply two signal sources. Can be used for twa dif terent TY antennas each oriented in a different direction or $\operatorname{TV}$ and FM antenna. Plugs are slotted for 300 -ohm twin lead. |vary finish 99 P 40149 Shpg. wt., 4 oz. Net 1.19

## TV-FM MOTOR WALL PLATE

(3) Wall plate has 5 -wire outlet for 4 or 5 conductor rotor leads and 2 twin-lead out. lets. Fiexible design allows easy instaliation. includes 1 plug for TV twin lead and 1 Dlug for rotor cable. Ivory finish. Wt., 5 oz 99 P 40305

Net 1.49

## SURFACE MOUNTING WALL BOX

## - Accepts Standard

TV/FM Wall Plates
Sturdy plastic housing for surface mounting with any
standard 300.0 hm or 75
ohm wall receptacle
Knock-outs on all four sides for ease of installation. No special tools required. Ivory color. Supplied with instructions and mounting hardware. imported. Shpg wi., 6 oz . 99 P 40024 Net . 49

## BAKELITE WALL BOX

Necessary for terminat-
ing TV lines in old or
new work. Knockouts top and bottom. Sturdy con-
struction with steel ears. Black standard size: U.L. Listed. Shpr. wt., 4 ors
18 P 70013
Net .89

## OPEN HOLE WALL BRACKET



Permits attaching any wall plate to wall open ings without the use of wall box in up to $3 / 4^{-}$wall board or plaster. Shpg. Wt., 4 ors 18 P 70021

Net .49

## ANTENNA CONNECTOR

For quick solderless connectlon of lead in to TV antenna terminal. Fits $99-40081$ socket. Low-loss polystyrene and non-ferrous metal. Standard $1 / 2^{-}$spacing. Shpr. wt. 302 18 P 42012
Solderless socket for above 99 P 40081

# Picture Tube Brighteners - Service Aids 

## COLOR PICTURE TUBE BRIGHTENER

- Boost Fading Color Picture Tubes
- No Wiring Necessary-Plugs Right in

Bring out the lost sharpness and detall of fading color picture tubes. Electron emission is increased by boosting the fllament voltage. thereby returning full contrast and color quallity to the set. Plugs in between picture tube and socket. No wiring or switching is necessary. For round tubes (12 pin basel.
18 P 46070 Shpg. wt., 1 lb. ....Net 4.95 For rectangular tubes ( 12 pin base).

## 18 P 46088 Shpg. wt., 1 tb. ....Net 5.50



- Protects Home and Antenna Installation Against Damage From Lightning and Static Discharge


## (A) ECONOMY VHF/UHF ARRESTER

Model Alizis. Designed for flat, tubular, oval iwin lead or open transmission lines, Saw tooth washers grip line securely without stripping or cutting of wire. Low los 5 materlal construction reduces capacity and Inductance, results In maximum iv signal transfer to set. Complete with stalniess steel strap and hardware.
18 P 38010 Shpg. wt. 6 oz. ....Net 1.09
(8) LITTLE GIANT VHF/UHF ARRESTER Model ATIO5S. Fits any Hat, tubular, or oval twin lead or open transmission line. Saw tooth washers make positive contact with line-no wire stripping or cutting necessary. High dielectric construction maintains excel. lent signal transmission to set. Complete with stainless steel strap and hardware. 18 P 39307 Shpg. wt., 9 oz. ....Net 1.89
(C) OELUXE VHF/UHF ARRESTER

Modef AT1105. Takes any flat, tubular, or oval twin lead or open transmission line. Saw tooth washers make poslive contact with line-eliminating need for wire cutting or stripping. Low loss high dielectric construction maintains high slenal transfer. Complete with stainless steel strap ane hardware.
18 P 38051 Shpg. wt., 502 . ....Net 2.49

## (D) 4-WIRE ROTATOR ARRESTER

Model ATtO4S. For 4 -wire rotator leadins. No wire stripping or cutting. Simply tighten cover that makes automatic and positive contact witn lines. Complete with stalnless steel strap and hardware. Shpg. wt., $1 / 2 \mathrm{lb}$. 18 P 38069 ........................................ 2.39

## (I) S.WIRE ROTATOR ARRESTER

Model ATIOGS. Protects 5 -wire automatic rotator antenna instaltations. No wire cutting or stripping necessary. Just place wire In slot and tighten cover over It for quick sure electrical contact. Complete with stainless steel strap and hardware
18 p 38911 Shpg. Wt., $1 / 2$ Ib. .... Net 3.29


## Line Voltage

Model $0-400$. 400 -watt solid-state automatic voltage regulator. For color or black and white TV. Refurns full height and width of TV picutre affected by low line voltage. Boosis 10 -volts automatically when line is below 110 volts. Increases set sensitivity. Reduces low line hazards. Simple plug-in installation. Turns on and off with the TV set. Wi, 4 lbs 32 P 40066
. Net 20.40

## TV SERVICE <br> EXTENSION/ ADAPTER <br> HARNESS KIT

Makes possible testing sets with picture tube electrically connecied in circuit, but removed from chassis. Reduced danger of contact with high voltage terminals and tube breakage. Consists of yoke extension hamess, fube socket extension harness and CRT extension is for both electrostatic and electromagnetic tubes.
18 P 27088 Shpg. wt., 1 Ib. ....Net 5.50 Color Extension Harness Xit. Similar to above but designed for color TV. Shpg. wt., 1 Va IDS. 18 P 27211

## UNIVERSAL TV TUBE "BRITENER"

Restores brightness to dim TV picture tubes Operates on all types-magnetic or electro static-and in all circuits-parallel or ser les. For Duodecal Base. Shipg. wt., 8 oz. 18 P 46005 FIG. (A)

## UNIVERSAL $110^{\circ}$ CRT "BRITENER"

A single heavy-duty unit which performs four ways. A simple adjustment adapts it for either series or parallel wired fllaments and It can be used on electromagnetic or electro5 tatic focus tubes. Shpg. wt., 8 oz . 18 P 46013 FIG. (C) For Sylvanla Type $110^{\circ}$ Tubes. 18 P 46021 FIG. (B)

Net 1.99
Net 1.99

## TUBE GUARD

- Stop Voltage Surge
- Adds Life To TV-Radio and Hi-fi Tubes


The "Tube Guard" will pay for itself many times over by greatly reducing costly vacuum tube replacements. The Tube Guard checks surge of current, reduces filament damages and increases tube IHe. Just plug "Tube Guard" into outtet, and appliance into it. 600 watts. UL listed. Shpg. wt., 4 oz
18 P 31106


Simplifies precise setting of yoke. Makes possible accurate positioning of focus coil or magnet. Quick adjustment of vertical linearity, height and centering. Plugs onto pic ture tube. Shpg. wt., 402.
18 P 27013 .Net 1.95

## FUSIBLE RESISTOR KIT

## MALLORY RESET CIRCUIT BREAKERS

- Just Reset
- Not A FuseA True Circuit Breaker Exact replacement circult breakers for television and industrial applications. Button must be pressed to reset. Tripping mechanism is temperature compensating for constant protection. Normal tripping time is 10 seconds or less. All values above $3-1$ amps have special heavy-duty conlacts to withsiand heavy : surge currents. Twist tab mounting lugs. Adapter for bushing mount listed below. Shpg. wi.,

302. 

| Steck No. | Mfrs. Type | Breat Curr. Amps | oper Curf. Amps. | Surge Curr. Amps | $\begin{aligned} & \text { Met } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 33 P 14606 | CBTOSO | 0.5 | 0.325 | 2 | 81 |
| 33 P 14614 | CBT075 | 0.75 | 0.49 | 5 | 81 |
| 33 P 14622 | CET100 | 1.0 | 0.65 | 5 | . 81 |
| 33 P 14630 | CET150 | 1.5 | 0.975 | 12 | . 81 |
| 33 P 14648 | CBT175 | 1.75 | 1.14 | 12 | . 81 |
| 33 P 14655 | CBT200 | 2.0 | 1.3 | 12 | 81 |
| 33 P 14663 | CBT225 | 2.25 | 1.46 | 12 | . 81 |
| 33 P 14671 | CBT250 | 2.5 | 1.63 | 12 | . 81 |
| 33 P 14689 | CBT275 | 2.75 | 1.79 | 12 | . 81 |
| 33 P 14697 | CBT300 | 3.0 | 1.95 | 12 | 81 |
| 33 P 14705 | CBT310 | 3.1 | 2.1 | 25 | 88 |
| 33 P 14713 | CBT325 | 3.25 | 2.11 | 25 | . 88 |
| 33 P 14721 | CBT350 | 3.5 | 2.2 | 25 | . 88 |
| 33 P 14739 | CBT375 | 3.75 | 2.44 | 25 | . 88 |
| 33 P 14747 | CBT400 | 4.0 | 2.6 | 25 | . 88 |
| 33 P 14754 | CBT450 | 4.5 | 2.92 | 25 | 88 |
| 33 P 14762 | CBT500 | 5.0 | 3.25 | 25 | . 88 |
| 33 P 14770 | CBT600 | 6.0 | 3.9 | 25 | . 88 |
| 33 P 14788 | CBT700 | 7.0 | 4.14 | 25 | 88 |

Type CBB adapter for bushing mount. Bushing 3 B" $^{\prime \prime}$ $32 \times 1 / 4^{\prime \prime}$ with nut.
33 P 14796

## LAFAYETTE COLOR TV TUNER

 CLEANER - LUBRICANT- For Color and Black and White - With Spray-Aid Needle

Non-flammable, mon-toxic, easy to use. Can be applied without removing chassis from the cabinet. Will not harm plastics or electricat insulation or detune the tuner. Excellent for both color and blach and white sets. 6 or. spray can. 18 p 01984 Shpg. wt., 11 oz

Net .99 16 oz, economy sire spray can with spray ald needle. Shpg. wt., $11 / 4$ ibs

Net 1.99

## TUNER CLEANER-LUBRICANT

- With Injector Needie
- For Color-Black and White Super 100. Fast drying, will not harm plastics or elec. trical insulation. Non-toxic, non-flammage. Can be sprayed on without removing chassis from cabinet. Contains "anti-static" agent. Will not cause drift or detune tuners.
detune tuners.
3 oz. spray can. with plastic injector needle. 18 P 34043 Shpg. wt.. 8 oz 6 oz . spray can. With steel injector needle. 18 P 34050 Shpg. wt., 12 oz.
16 oz . spray can with steel injector needle.
18 P 34068 Shpg. wt.. $13 / 4$ lbs.
Net 2.99


## VOLUME CONTROL

 "NOIsx" \& CONTACT CLEANER- Cleans and Lubricates
- Will Not Harm Plastics

For color and black and white TV, radios, volume controls, band switches. pushbution assemblies, relays, and electrical contacts, Restores. lubricates. protects. and cleans. Non-toxic and non-flammable. Prevents gumming. Does not change capacities, 6 or. spray can with $5^{*}$ extender (needle). Wi.. 1108.9 18 P 43010

## CHEMTRONICS "FROST AID"

- Components Cooler
- With Pin-Point Spray Needle

Pinpoints bad capacitors and transistors. oxjdized points by cooling components. Leaves no residue. With spray needle for hard to reach places. Non-flammable. 80 ? spray can. Shpp. wt.. 1 th 18 P 52011

## 169



## LAFAYETTE 7" COLOR TV PURIFIER

## - For Sharp and Clear Color Reception

Sharpens color reception through demagnetization of the picture tube. Sim. magnelization the set, plug in the purifier, and with switch depressed rotate unit in front of the TY screen. Use regularly to weep your color reception sharp and clear. Convenient clip for hanging on back of set when not in use. Imported.
Shapg. w1.. 1 lb .

99 P 40248 Wt., 3/4 Ib. Net 2.95

## WALSCO 7" COLOR TV PURIFIER

- Portable Tube Kaddy Size
- For In-The-Home Servicing
- Color TV Degaussing Coil

Improve the quality of color TV with this porlable $7^{-}$DEGAUSSER. EAsily demagnetizes tube shield and accessories to eliminate stray colors and purify the picture. Momentary push button switch simplifles operation. You don"t need to be a technician to use this little marvel. U.L. Iisted, for 110-120 VAC. 60 Hz . Shpg. wt. $3 / 4 \mathrm{lt}$.
18 P 84022
Net 7.95

## PROFESSIONAL COLOR TV PURIFIER

- For Color TV Receivers 1995

Well suited for the serviceman or set owner Heavy-duty degaussing coil demagnetizes and removes stray magnetic flux from color TV chassis and picture tube to achieve colar purity. Contans momentary switch to de-energize coll without pulling plug. With 9 ft cord. For $110-120 \mathrm{VAC}, 60 \mathrm{~Hz}$.
9 ft . $84055 \mathrm{Wt}. 4^{1 / \%} \mathrm{lbs}$. Net 19.95

## BAKELITE KNIFE SWITCH

## As Low As

## 25

Excellent for TV antenna switching. Heavy metal parts mounted on bakelite base. Oouble pole, double throw. Shpg, wt... ${ }^{4} 07$. 99 P 61533

In lats of 10 ea
Net .25

## Ratian <br> TV GHOST ELIMINATOR

## $5^{95}$

## - Improves Color Reception

- Receives From All Directions
- Filters Out Interference

Electrically rotates the polar-receiving pattern of your existing antenna and phases the grounc wave picked up by the electrical wiring system with the sky wave picked up by the antenna. Improves any existing antenna; indoor, outdoor, master op bulltin. Boosts pick.up power of any antenna-old or new. Just a flick of the selector control funes out ghosts-filters out interference-tunes in those "hard-to-get" problem channels. Automatically amplifies TV signal strength for "snow" free, brighter, clearer pictures. Works on every channel--in any location with any antenna-for any TV set. No installation problem simply witach antenna terminals in
 wt.. 1 1/9/9 lbs
18 P 12064
Net 5.95

## PREMICR Metal Products

## TABLE TYPE RELAY RACKS

Rigidly constructed of "16 kauge steel finished in blue. gray. Base constructed of one piece, simllar to a chassis. Panel mounted holes are lapped for $\mathbf{1 0 - 3 2}$ machine serews. Shipped knocked down.

| Stech Ne. Mir. Type | Mxwnew | Space | Lus. | Nét |
| :--- | :--- | :--- | :--- | :--- | :--- |




## TELEPHONE TYPE RELAY RACKS

Open type racks constructed of 12 raure steel finished in blue-gray. Vertical members and top crossbrace are included together. Panel mounting holes are tapped for 10.32 machine screws. Racks shipped knocked down with all necessary bolts for easy assembly. Basc punched to accommodate type CA- 4 casters.

| Stock Me. | Mr. Type | HwWip" | Pawel | Les. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12 P 85899 W | RR-800 | 394/420x183\%" | 36\%*19" | 34 | 29.70 |
| 12 P 85907WX | RR-801 | 741/420×207\% | 713/4x19" | 501/2 | 35.30 |
| 12 P B5915WX | RR-8C2 | 7912x20x $207 \%$ | 77 x19" | 52 | 40.70 |

## ALUMINUM PANELS

Aluminum panels, type MAP, bright aluminum protected both sides by peelable masking paper. Type ARP painted gray both sides. $19^{\circ}$ wide, $1 / \mathrm{g}^{\prime \prime}$ thick.

| "MAP" Masked Aluminum |  |  |  | "ARP" light Gray |  | Hammerton |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Stock No. | Type | Each | Hgt. | Lbs. | stock No. | Type | Each |
| 12 P 85477 | 319 | 2.45 | 31/2" | $11 / 4$ | 12P88330 | 319 | 2.65 |
| 12 P 85485 | 519 | 3.35 | 51/4" | 13/4 | 12 P 128 | 519 | 3.50 |
| 12 P 85493 | 719 | 4.05 | $7{ }^{\prime \prime}$ | 2 | 12 P 12855 | 719 | 4.50 |
| 12 P 85501 | 819 | 4.80 | 83/4" | 21/2 | 12 P 86063 | 819 | 5.25 |
| 12 P 85519 | 1019 | 5.95 | 101/2" | 2\% | 12 P ass 71 | 1019 | 6.50 |
| 12 P 85527 | 1219 | 6.85 | 121/4" | 31; | 12 P stacs | 1219 | 7.30 |
| 12 P 85535 | 1419 | 7.90 | $14^{\text {m }}$ | 42/2 |  | 1419 | 8.35 |



## STANDARO AMPLIFIER FOUNDATIONS

Consists of regular chassis with rurzedly constructed metal covers. Top cover has perforations. rounded corners: $6^{\prime \prime}$ high: l-pe chassis with corners sootwelded; Gray Hammertone Finish.

| StockNo. |  |
| :---: | :---: |
| 12 P85303 | A |
| 12 P85311 | A |
| 12 P85329 | A |
| 12 P85337 | A |
|  |  |
|  |  |

Have two removable sides for easy accessiblilty. Have flanged edres and spot-welded corners. No. 20 ga. steel, attractively finished; No. 16 ga (.051) aluminum in natural aluminum finish. Av shpg. wt. of steel cabinets $6 \mathrm{t} / 4 \mathrm{lbs}$.

| CRAY HAMME Stock No. | $\begin{aligned} & \text { STEEL } \\ & \text { Nef } \end{aligned}$ | HxWxD" | NATURAL Stock No. | $\underset{\substack{\text { TNUN } \\ \text { Net }}}{ }$ |
| :---: | :---: | :---: | :---: | :---: |
| 12P83399 | 2.10 | $4 \times 4 \times 2$ | 12 P 83480 | 2.30 |
| 12 P 83407 | 2.10 | $4 \times 5 \times 3$ | 12 P 83498 | 2.45 |
| 12 P 83415 | 2.30 | $5 \times 6 \times 4$ | 12 P 83506 | 2.65 |
| 12 P 83423 | 4.05 | $5 \times 9 \times 6$ | 12 P 83514 | 4.40 |
| 12 P 83431 | 3.70 | 6x6x6 | 12 P 83522 | 3.85 |
| 12 P 83449 | 4.05 | $6 \times 9 \times 5$ | 12 P 83530 | 4.40 |
| 12 P 83456 | 3.35 | $7 \times 5 \times 4$ |  |  |
| 12 P 83464 | 6.70 | $8 \times 10 \times 10$ |  |  |
| 12 P 83472 | 5.60 | 12x7x6 | 12 P 83548 | 5.95 |
|  |  | $15 \times 9 \times 7$ | 12 P 83555 | 8.10 |



## SLOPING PANEL CABINETS

These handy cabinets have rounded top corners and a removable front panel. Back of cabinet is perforated and has opening for leads. Constructed of 20 gauge steel. Finished in gray hammertone.

| Stock No. | HxWiom" | $\begin{aligned} & \text { Use } \\ & \text { Cmassis" } \end{aligned}$ | Les. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 12P65840 | $8 \times 8 \times 8$ | $7 \times 7 \times 2$ | 47/4 | 7.70 |
| 12 P 85857 | $8 \times 10 \times 8$ | $7 \times 9 \times 2$ | $54 / 4$ | 8.70 |
| 12 P 85865 | $8 \times 14 \times 8$ | 7x13x2 | 7 | 9.20 |
| 12 P 85873 | $9 \times 18 \times 8$ | 7x17x3 | 83/4 | 12.20 |
| 12 P 85881 | $12 \times 18 \times 12$ | $10 \times 17 \times 3$ | 13 | 15.60 |



## ALUMINUM CHASSIS

Chassis are of one piece construction with gussets spot-welded to the bottom flanges for additional strength. Made of No. 18 gauge $(0,40)$ aluminum except it are No. 14 gauge (.064) in natural aluminum firish. Bottom plates have holes to match chassis and have 4 pressed dimples. Avg. shpg. wt., $31 / 4 \mathrm{lbs}$

| CHASSIS |  |  |  | BOTTOM PLATES |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Steck No. | $\begin{aligned} & \text { Size } \\ & \text { Jaches } \end{aligned}$ | Lhs. | Wet | Steet Mo. | Net |
| 12 P 81906 | $4 \times 6 \times 11 / 2$ | 1/4 | 2.30 | 12 P 82870 | 1.05 |
| 12 P 81914 | $4 \times 6 \times 2$ | 1/4 | 2.30 | 12 P 82870 | 1.05 |
| 12 P 81922 | $4 \times 6 \times 3$ | $1 / 4$ | 2.80 | 12 P 82870 | 1.05 |
| 12 P 81930 | $4 \times 8 \times 2$ | 36 | 2.45 | 12 P 82888 | 1.25 |
| 12 P 81948 | $4 \times 17 \times 3$ | 1 | 3.35 | 12 P 82896 | 1.30 |
| 12 P 81955 | $5 \times 7 \times 2$ | 1/4 | 2.35 | 12 P 82904 | 1.15 |
| 12 P 81963 | $5 \times 7 \times 3$ | 1 | 2.80 | 12 P 82904 | 1.15 |
| 12 P 81971 | $5 \times 10 \times 3$ | 3/4 | 2.80 | 12 P 82912 | 1.25 |
| 12 P 81989 | $5 \times 13 \times 3$ | 1/4 | 3.35 | 12 P 82920 | 1.40 |
| 12 P 81997 | $52 / 2 \times 91 / 2 \times 11 / 2$ | $1 / 2$ | 2.45 | 12 P 82938 | 1.25 |
| 12 P 82037 | $7 \times 7 \times 2$ | 1 | 2.55 | 12 P 82961 | 1.25 |
| 12 P 82045 | $7 \times 9 \times 2$ | 1 | 2.65 | 12 P 82979 | 1.25 |
| 12 P 82052 | $7 \times 11 \times 2$ | 13/4 | 2.80 | 12 P 82987 | 1.30 |
| 12 P 82060 | $7 \times 11 \times 3$ | 7/8 | 3.70 | 12 P 82987 | 1.30 |
| 12 P 82078 | $7 \times 12 \times 3$ | 7/8 | 3.50 | 12 P 82995 | 1.50 |
| 12 P 82102 | $7 \times 17 \times 3$ | $1{ }^{\circ}$ | 4.10 | 12 P 83035 | 2.00 |
| 12 P 82110 | $8 \times 10 \times 21 / 2$ | 1 | 3.35 | 12 P 83043 | 1.70 |
| 12 P 82128 | $8 \times 12 \times 3$ | 1 | 3.60 | 12 P 83050 | 2.10 |
| 12 P 82177 | $10 \times 14 \times 3$ | 11/4 | 4.05 | 12 P 83092 | 2.20 |
| 12 P 82193 | $10 \times 17 \times 3$ 1 | 23/4 | 5.35 | 12 P 83100 | 2.35 |
| 12 P 82250 | $12 \times 17 \times 31$ | 2\% | 5.90 | 12 P 83134 | 3.00 |
| 12 P P 82284 | 13x17x3t | 312 | 6.15 | 12 P 83142 | 3.25 |
| 12 P 82300 | 17x17x4 | $41 / 4$ | 8.25 | 12 P83159 | 4.20 |

Two piece case made of 16 gauge $(0.51)$ aluminum. Each section forms 3 sides. Flanges assure proper shielding. Avallable in variety of sizes for popular electronic devices and construction projects. Avail. able in natural finish or grey hammertone.

NATURAL

| Stoch No. |
| :--- |
| 12 P 83670 |
| 12 P 83688 |
| 12 P 83696 |
| 12 P 83704 |
| 12 P 83712 |
| 12 P 83720 |
| 12 P 83738 |
| 12 P 83746 |
| 12 P 83753 |
| 12 P 83761 |
| 12 P 83779 |
| 12 P 83787 |
| 12 P 83795 |
| 12 P 83803 |
| 12 P 83811 |
| 12 P 83829 |
| 12 P 83837 |


| Met |  |
| :---: | :---: |
| . 95 | 23/4×21/4×15/4 |
| 1.05 | 32/4×21/4 $\times 15$ |
| 1.15 | $4 \times 21 / 0 \times 15$ |
| 1.25 | $4 \times 21 / 4 \times 21 / 4$ |
| 1.30 | $5 \times 21 / 4 \times 21 / 4$ |
| 1.40 | $5 \times 4 \times 3$ |
| 1.40 | $51 / 4 \times 3 \times 2 \%$ |
| 1.85 | 6×5×4 |
| 2.30 | 7x5x3 |
| 3.00 | $8 \times 6 \times 31 / 2$ |
| 3.15 | $10 \times 6 \times 31 / 2$ |
| 4.40 | $12 \times 7 \times 4$ |
| 4.55 | $17 \times 5 \times 4$ |
| 2.65 | $10 \times 2 \times 15 /$ |
| 3.00 | $12 \times 21 / 2 \times 21 / 4$ |
| 1.25 | $4 \times 2 \times 23 / 4$ |
| 1.25 | $44 / 4 \times 21 / 4 \times 14 / 2$ |

GREY HAMMERTONE


## SLOPING PANEL UTILITY BOXES

Steel and aluminum sloping panel cabinets with round top corners and sloping front. For installations that, require opening in rear of box. No. 20 raure attractlvely finished steel. No. 18 gauge ( 040 ) alu-minum-natural aluminum finish. $412^{2} \mathrm{~W} x 41 / \mathbf{N}^{\prime \prime} \mathrm{D}$.

| Stock No. | Whath | Type | 18. | $\begin{gathered} \hline \text { Met } \\ 1.49 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | GRAY HAMMERTONE |  |  |  |
| 12 P 80650 | 4\% | SPC-1200 | 1 | 2.65 |
| 12 P 80676 | 6\%. | SPC-1202 | $11 / 2$ | 3.00 |
|  | ALUMINUM |  |  |  |
| 12 P 80700 | 5\%. | ASPC-1201 | $1 / 2$ | 2.85 |
| 12 P 80726 | 74. | ASPC-1203 | 7/8 | 3.25 |

## SLOPING COMPACT CABINETS

Two piece unit made of $\# 20$ cold rolled steel. Front, bottom and bach form one " $U$ " shaped unit which screws to one plece cover and sides. Attractlve iwotone finish.


| Stock Nu. | H.W.D. | Lbs. | Net |
| :---: | :---: | :---: | :---: |
| 12 P 85931 | $6 \times 10 \times 7^{\prime \prime}$ | $41 / 4$ | 8.40 |
| 12 P 85949 | $7 \times 12 \times 8^{\prime \prime}$ | $61 / 4$ | 9.20 |
| 12 P 85956 | $3 \times 8 \times 5^{\prime \prime}$ | $21 / 4$ | 7.50 |
| 12 P 85964 | $5 \times 5 \times 5^{\prime \prime}$ | $21 / 4$ | 7.90 |

## - Cablinets

## bakELITE UTILITY

CASE WITH aluminum panel

Ideal for housing small electronic devices. Stur-
dy balkelite box features smooth rounded corners and recessed inserts for screw mounting of aluminum panel. Complete with hardware. Imported. Avg. Shpg. wt., $1 / 2 \mathrm{lb}$.

| Stock No. | 5 ize | Netea. |
| :---: | :---: | :---: |
| 99 P 80772 | $31 / 4 \times 21 / 8 \times 11 / 0^{\prime \prime}$ | 71 |
| 99 P 80780 | $4 \times 21 / 0 \times 17{ }^{*}$ | . 82 |
| 99 P 80756 | 540x240x ${ }^{\text {\% }}$ | 1.05 |
| 99 P 62721 | 676x33. $\times 17 /{ }^{\prime \prime}$ | 1.29 |
| 99 P 80764 |  | 1.82 |

## BUILDER'S <br> PANEL KIT

Ideal set of 5 panels for the experimenter. Consists of 1 plain black
bakelite panel, 3 perforated boards with holes on $\%_{6}^{\prime \prime}$ centers, and 1 aluminum panel with perforated circular pattern for speaker outlet. All panels are sized and have mounting holes to fit $99-62721$ case above. Shpg. wt. $1 / 2 \mathrm{lb}$,

## 99 P 53380

## bakElite cases and panels

Ideal for bullding test equipment and small electronic devices. All blach bakelite with rounded corners and me. cessed threaded inserts for mounting panels. Walls mounting paneis.有" thick. AVg. shpg. wt., $14 / 2$ tbs.


| Stoch No. | Size | Lbs. | Net |
| :---: | :---: | :---: | :---: |
| 19 P 20016 |  | 1/2 | . 89 |
| 19 P 37010 | Panel for above | $1 / 4$ | . 45 |
| 19 P 20024 | 61/4 $\times 1 / 4 \times 214{ }^{\prime \prime}$ | 1 | 1.39 |
| 19 P 37028 | Panelfor above | 1/2 | . 61 |
| 19 P 20032 | $83 \times 1{ }^{3} \mathrm{mx} \times 3^{\prime \prime}$ | 12/2 | 2.39 |
| 19 P 37036 | Panel for above | 1/2 | . 75 |



Designer styled Flexi-Cab brown vinyl clad steel cabinets. Front panels are beass finished. All sides link torether with marresistant plastic bindings. All kits supplied with packare of 40 pressure sensitive func. fion identliying labels.

| Stock No. | Size | Lts. | Net ea. |
| :---: | :---: | ---: | ---: |
| 19 P 22538 | $3 \times 4 \times 4^{\prime \prime}$ | $3 / 4$ | 3.49 |
| 19 P 22517 | $3 \times 4 \times 6^{\circ}$ | 1 | 3.99 |
| 19 P 22533 | $3 \times 6 \times 9^{\prime \prime}$ | $17 / 4$ | 4.69 |

## UNIVERSAL METER CASES

A meter case that can accommodate either a $2^{\prime \prime}$ or $3^{\prime \prime}$ meter. Center nole for $2^{\prime \prime}$ meter increases to $3^{-}$ meter hole by simply removing a knock-out. 4kax $41 / 2 \times 41 / 4 *$. Supplied with $41 / 2 \times 41 /{ }^{*}$. Supplied with
two $1 / 2^{*}$ dia. knochouts for feed through insulators of
 volume Controls. Type SPC-23 20 gauge steel. Type ASPC-23 18 gaure (.040) Aluminum-Natural Finish. Av erage Shpg. wt., 1 ib.

| Stock No. | Type | Net |
| :---: | :---: | :---: |
| 12 P 83167 | SPC-23 | 2.70 |
| 12 P 83175 | ASPC-23 | 2.70 |

## FLASHLIGHTS- FIRE EXTINGUISHERS

## rechargeable flashlight



Sim, handsomely styled, flashlight with strong spotlight beam. Never needs batteries, Works on two long-lasting nickel cadmium powep cells. Just remove cap and plug into any 110 V AC wall outlet for a few hours. Smartly sized, tapered body fits in purse, travel bag or brief case. Length $51 / 2{ }^{m}$; lens diameter $2 \mathrm{~V} / \mathrm{m}^{\prime \prime}$. Shpg. wt., 802.
12 P 64043
Net 6.95
32 P 66038 PR-4 Repl. Bulb. ...Net .27


Deluxe, all purpose searchight with long range GE 4546 sealed beam. Penetrates heavy log and the darkest nights. Operates on 4 " $D$ " batteries. Chrome finish. Wt., $11 / 2$ lbs. 112 los.
\$2P64084 ............................................ 4.95
Bafteries for above. (4 required.)
99 P 62564
Net ea. . 19

## POWERHEAD <br> LANTERN <br> W/BATTERY <br> $6^{95}$



Extra large power beam from huge bright chrome $43 / 4^{\prime \prime}$ head. For motorists, home owners, sportsmen, campers. 6-position warning biliker arm telescopes into contour handle. Separate switches; gleaming chrome, sturdy steel construction. With bulbs and 6 volt battery. Shpg. wt., 534 lbs.
12 P 64092
Net 6.95

KIDDE 23/4 LB. DRY CHEMICAL FIRE EXTINGUISHER

- Rated 6 B:C Coast Guard,

ICC, and UL. Listed
Extingulshes flammable fiquids, grease and electrical fires. Powerful $23 / 4 \mathrm{lb}$. pressurized extinguisher meets marine and other requirements. Easy one-hand operation. Built-in pressure Indicator can be read at a glance.
 Non-toxic dry chemical won't injure fabrics. etc. Tamper-proof lock. Meets Coast Guard and ICC specifications. UL listed. Rated 6B:C. Corrosion resistant construction. 14 Hz 3"0. Shpg. wt., $41 / 2$ tbs.
13 P 45040 $\qquad$ .Net 9.95 DISPOSABLE RECHARGE CYLINDER. Recharges ertinguisher in minutes. Shpg. wt., $43 / 4 \mathrm{lbs}$. 13 P45057

## Net 5.95

## JET ACTION HYDRO-PUMP FIRE EXTINGUISHER

## $2^{95}$



- For Auto, Home, Boat
- With Wall Bracket

Extinguishes oil and grease fires, chemical fires, electrical fires, wood, paper, and plastic fires. Chemically smothers fires in seconds that water cannot control. Just aim and pump. Put a unit wherever a
 fire is likely to start. Keep one ready in your kitchen, basement, bedrooms, and car. Complete with "Qulck-Discharge" wall mounting bracket and hardware. Imported. Shpg, wt., $17 / 4$ lbs.
14 P21064
. Net 2.95

## ELECTRICAL ACCESSORIES

0. JIFFY PUSH PULL PLUG. Attaches in 5 seconds without any tools. Spring prongs Brown. U.L. Listed.
13 P81136
..Ea. . 15 ; 10 for 1.35
E. CUBE TAP EXTENSION, Trio tap, 9 ft . rubber cord. AC plug, Brown, U.L. Listed. 13 P81110

Net. 72
F. PARALLEL GROUNO ADAPTER. AdaptS 3 wire tools and appliances to 2 wire AC outlets. 15A.. 125V, 3 $3 / 4^{" \prime}$ ground lead and lug. U.L. Listed.

13 P8115:
Net 28; 10 for 2.52
c. RUBBER CUBE TAP, 3 outlets. Unbreak. able one plece soft rubber construction.
13 P 81102 U.L. Listed
Net .37
H. parallel ground rubber plug. With cord clamp, U ground Dia, $11 / 2^{*}$. 15 amps: 125V. U.L. Listed.
13 P81219 $\qquad$ .Net .64
J. Flexible rubber handle piUg. Can be used for heavy duty work. 15A. 125V.
13 P 81078 $\qquad$ Ea. 12: 10 for 1.08
K. RUBEER CORO CONNECTOR, With pull handle for extension cords. $11 / a^{\prime \prime}$ diameter. With cord clamp. 2 wire. U.L. Listed. 13 P 81144

# Desk Lamps for Home \& Office 



Now you can vary your light, continuously from a soft glow that is dimmer than a night light to a brilliant, glare-free. white light equivalent to $150^{\circ}$ watts of illumination. Slide switch turns light on or off without disturbing dial setting. Telescoping arm extends to $15^{\prime \prime}$; shade swivels $360^{\circ}$. The lamp can be hung on a wall by using keyhole slot on base. Unit folds down to only $31 / 4 \times 91 / 4^{* *}$. Sand finish. For $120 \mathrm{v} .60 \mathrm{~Hz}, \mathrm{AC}$. Uses GE No. 1129 bulb (Included). U.L. Iisted. Shpg. wt., $21 / \frac{1}{2}$ lbs.
13 P 81318
32 P 66472 Replacement Bulb Net 11.95

## HIGH INTENSITY DESK LAMP

- All Angle Lamp Head
- Spring Control Arm For Perfect Balance
- Extra-Wide Shade For Glare Free Light

Now you can have pure white concenerated light exactly where you want it. Oecorator styled to fit any decor in your home or office. The glare.free bulb supplied with the lamp is equal to 200 watts of llumination. An oversize shade provides a greater light area than ordinary high intensity lamps and does not retain heat. A steel spring gives you complete mobility in all directions with perfect balance. Arm reach is $24^{\circ}$. Lamp is black with a heavy chrome and black vinyl iinish base. Shpg. wt. $73 / 4 \mathrm{lbs}$.
12 P 33501
Net 16.95
12 P 75536 Replacement Bulb...Net 79

## 5-WAY HIGH INTENSITY LAMP

- Hi-Lo-Off Selector Switch
- Adjustable Telescoping Arm


Beautifully designed, transformer powered telescoping Mi-Intensity lamp featuring HIGH and Low switch. Telescopes from $31 / z^{\prime \prime}$ to 12". May be used as a desh and wall light. spot and TV lamp. Use as a night light when closed. Shade swivels $360^{\circ}$ with an arc of $180^{\circ}$. Shade and base are richly finished in black. Uses $=93$ bulb supplied. Overall helght $13^{m} .117 \mathrm{~V}, 60 \mathrm{~Hz}$. Imported.
12 P 28535 Shpg. wt., 2 lbs. Net 4.95
32 P66848 Replacement Bulb.......Net . 43

## STUDY-LYTE CLAMP ON LAMP

- Spring Control - Extends to 45"

Perfect illumination where you need itmoves up, down, sideways at your lightest touch, and stays exactly where you put it. From a central position, the $45^{\prime \prime}$ arm reach can swing to illuminate any area on a desk or table siz feet long and four feet wide. Sleeh all-metal construction with versatile $3^{n}$ throat edge clamp. Uses standard bulb (not included). Avaliable in easy-to-assemble kit form or completely assembled. Shpg. Wt. 3Wibs.
12 P69505W Kit
it.
mbled
Nef 11.95
12 P69513W Assembled Net 13.95

## BLACK LITE FLUORESCENT LAMP


$10^{95}$

- With G.E. 15.Watt BLB Blacklight Bulb
One of the most unusuat and interesting light sources of today- "black light" makes any fluorescent material glow with a beautifut brilliance. It is ideal for dramatic special effects on posters, pop art, window displays, seasonal decorations, etc., and whenever the uttimate in distinctive lighting is desired. Full chromed reflector for maximum brightness. E-Z Mount-installs anywhere. Built-in on off switch. $18^{\circ}$ wide. With Butb. Shpg. wt., 234 lbs .
12 P 52501
Net 10.95
15-Watt G.E. BLB Replacement Buib
12 P 52519 Shpg, wt., 5 oz. .. Net 5.95


## UNDER-CABINET AND SHELF FLUORESCENT LAMP



## only $4^{95}$

- Complete with Bulb
- Convenient AC Outlet

Ideat for shop or kitchen work counters. Can be mounted on the walf or under a shelf. Mas white plastic diffuser, pushbutton switch, convenience outlet, cord and plug. with 15watt bulb. White enamel finish. Size: $181 / 4 x$ 34/2x 11/4~H. Shpg. wt., $21 / 4 \mathrm{lbs}$.

## 12 P16050

Net 4.95
Replacement Bulb. Shpg. wt., 50 or
12 P10020

CLAMP-ON ALL PURPOSE LAMP


750

- $18^{\prime \prime}$ Flexible Arm
- 3-Way Mounting Clamp

Most adaptable clamp-on all purpose lamp with 18 " llex arm with parabotic shade. Ideal for drafting, hobbies, machine tools and work bench. The entire lamp traverses an entire $360^{\circ}$ with lock nut to maintain it in any fixed position. Reverse the clamp and you can screw it to the wall. The lamp shade on the inside is painted white enamel to give full reflection and a concentrated source of light where needed. For 75 watt lamp. Green color finish. Shpg.wt., $21 / 2$ lbs.
12 P 10087
Net 7.50


## (1) $21^{40}$ <br> (A) OELUXE incanoescent Lamp

Model LB-1A. Designed for use wherever work areas must be well illuminated, Non-friction, spring-balanced design permits easy positioning, and keeps lamp permanently in place. Can be raised or lowered, swivets $360^{\circ}$, and has $45^{\circ}$ reach. Dual-shade construction reduces heat and maintains new lamp performance. Eassly clamps to edge of table or desh. Dove gray finish. Accepts standard bulb. U.L. listed. Less bulb. Shpg. wi., 4 lbs.

12 P $69554 W$
.Net 21.40
[ $[$ ] DELUXE COMBINATION INCANDESCENT and FLUORESCENT
Model 1C.1h. Ideaf for use in any office or home where maximum lighting efficiency is necessary. Separate switches independently control each light. Spring-controlled, counter balanced arms
"finger-louch", "stay put" positioning; can be ralsed or lowered. rolates $360^{\circ}$ extends $45^{\prime}$ " "C" clamp mig. bracket. Handsome dove gray finish. U.L. Iisted. Less bulbs. Shpg. wt., 77/4 lbs.
12 P69562W
Net 29.75
12 P 75015 22-watt cool white fluorescent lamp ....Net 3.95

## (b) DELUXE FLUORESCENT DESK LAMP

Model R-IA Dual-light fuorescent desh lamp with uniquely designed shade and inner reflector to produce maximum, non-glare, Hghting, Spring-balanced extension arms permit smooth. easy adjust. ment. Has two button starter switch, and top quality ballast for quiet operation. $45^{\prime}$ reach, $360^{\circ}$ sweep. Includes "C" clamp mtg . bracket. Geautiful desert tan. UL listed. Less bulbs. Shpg, wt., 10 lbs .
12 P 69588 W
Net 30.70
12 P 10020 15-watt cool white lamp (2 req.) .... Net ea. 1.59
 60 Hz . AC. Neutial Beige. Shpg. wi. $73 / 4 \mathrm{lbs}$.
12 P $10012 W$ Less lamps
T8. Is-watt, cool white tamp. Shpg. wi. 501.
12 P. 10020

Ideal for factory benches, tables and drafling boards. Two bolts clamp base securely to any surtace up to $3^{-\infty}$ thich. Spring controlled swivel joints and double arm action give you light in amy desired position. Arm extends $36^{\prime \prime}$. Uses two 18, $15 . \mathrm{W}$ lamps. For $110-125 \mathrm{~V}$.,
.Net 24.95

- Universal Joints
- Light at Any Angle
- Extends to 36" Netea. 1.59

Designed for precision work, leatures a $5^{\circ}$ diameter magnifying glass with a powertul 13" focus, surrounded by a 22 watt shadow-free fluorescent lube. A custom-engineered arm permits complete directional mobility special adjustment mnobs insure the proper tension and steadiness for any desired position. $45^{\circ}$ arm reach. Ideat for assembly, laboratory, quality control and other detall worh. In hit or assembled form. Shag. wt., 7 Ibs.
12 P 69521 W Kit, less lamp
Net 23.95
12 P 69539 W Assembled, less lamp
Net 32.95
19. 22.watt, cool white lamp. Shpg. wt., il oz.

12 P 75015


## FLUORESCENT DESK LAMPS

Fit. A. An altractive all melal fluorescent lamp with combination solid/goosenech support finished in chrome. Brown meial base with push button light control .... perfect for sludy, oflice or den. Translucent white plastic diffuser for maximum light olispersal. Includes 15 -watt, $18^{* *}$ cool fluorescent bulb. Streamline design com plements any room decor, 12 minches high by 18 inches wide. Provides lllumination anywhere on your work or reading surface. 117N, 60 Mz . Imported. Shpg. w1., $57 / 4 \mathrm{lbs}$. 12 P 16027
Fig. 8. Altratcive, all metal desh lamp with iwo 15.watt Auorescent bulbs for masimum light. Contemporary design matches any decor. Dual, polished chrome goosenecks and enamel finished base. 181/2" melal shade with plastic light dilluser for high light dispersion and reduced eye latigue. Great for sludents, office work, of reading. Pushbutton starter and off switch on base. Meight: appro1. 14". With iwo bultos. $117 \mathrm{~N}, 60 \mathrm{~Hz}$. Shpe, wt., $57 / 4 \mathrm{lbs}$.


# Selected Electrical Accessories 



WHISTLE SWITCH

Only $14^{95}$

- The Amazing Electro. Sonic Switch That Turns Anything Electrical On or off With a Whistle

Let Sound Command do the work. Turns radios, televisions, Hi-fi, Lamps, outdoor light, On or Off white you relax in your chair or bed. No need to walk in darkness. . Iurn on Ights in a different room before you get there. Just blow the whistle and appliance immediately goes On or Off. WHISTLE SWITCH is plugged into any standard household outlet, then electrical appliance is plugged into WHISTLE SWITCH. Nothink further is required. Complete with pocket and bulb whistle. 300 -watt capacity. For 110 v 60 Hz AC. Shpg. wt., 1 lb .

## 12 P 78522

Extra Bulb whistle for above. Shpg. wt. 3 oz
12 P 78530
Net 14.95

## AUTOMATIC PHOTO-ELECTRIC LIGHT CONTROL



- Automatic Light Switch
- Turns Lights On At Sunset Off At Sunrise
Automatically turns Ughts on at dusk and off at dawn. Helps to prevent burglary, vandalism, and accidents. Just attach to lamp cord and plug into wall socket for automatic light control. Responsive only to daylight ... car lights, flashlights, or lightning will not operate unit. For $117 \mathrm{~V}_{\mathrm{A}} \mathrm{AC}$. 300 Watts. UL Listed. Shpg. wt., $1 / 4 \mathrm{ib}$

Net 3.95
12 P 28519

## Automatic Outdoor Light Control

- Turns Lights On At Dusk/ Off At Dawn Automatically
- Easily Screws Into Fixture Socket Helps prevent burglary . . . vandalism accident by turning on all your outdoor lights at home, store, office, factory, slgns, etc. Screws into any standard or lloodlight
$3^{95}$ socket. Compact, requires only $17 / 6^{\prime \prime}$ of additional clearance in fixture. Weather resist. ant. 300 watts. U.L. listed. Shpg. Wt., $1 / 2 \mathrm{lb}$. 12 P 28527

Net 3.95

## automatic outdoor security lighting



- Lights On at DuskOff at Dawn
- Assembled and Wired
- Weatherproof

Protect your home or business with bright outdoor security flood lighting. Operates automatically: lights On at dusk-Oif at dawn; or semi-automatically: On at dusk-manually oif at wall switch. Completely assembled. Only 2 screws and connecting wires for easy installation. Bulle-in time delay. Adjustable aiming. Uses 2 standard 75, 100, or 150 . watt outdoor spof or floodilights. Less bulbs. Complefely weatherproof $4^{\prime \prime}$ die-cast housing. UL listed. For $117 \mathrm{~V} A C$, 60 Hz .
12 P 53509 Shpg. wi., 2 lbs.

"Microsonic Beam" switches On/Off any appliance in the home. A touch of the button on the wireless transmitter switches TV Mi-fi. lamps, radios, fans or other electrical devices On/Off up to 40 feet away. Consists of a Teleswitch (miniature recelver), and a Telewand (miniature transmitter). Installs in seconds... just plug the $A C$ cord from the appliance you wish to control into the Teleswitch sochet. then plug the AC cord from the Teleswitch lito any $110-120 \mathrm{~V}$., 60 Hz $A C$ wall outlet. For use with up to 7.5 Amps .860 Watts. Telewand operates on $9 V$ battery. Shpg. wt., 14 oz.

## 12 P 87010

Net 29.95
99 P 60212 Battery for above.
Net .31

## LAFAYETTE 1000 WATT PHOTO-ELECTRIC LIGHT CONTROL

- Turns Lights On At Sunset Off At Sunrise


Automatically switclies on house. office, or store lights at sunset and off at sunrise. Great for vacation time, or dally use. No need to come home to a dark house at night. Helps keep burglars away. No spectal wiring necessary-just plug into wall socket and plug lamp into jack. 1000 watt capability permits use of several standard lights-will brilliantly tight an entire house. Brass finish Illuminator measures only $3^{\prime \prime}$ in diameter. Supplied with a 6 ft . cord. Wt., ${ }^{1 / 4} \mathrm{lb}$. 12 P 01029

## PHOTO-ELECTRIC LIGHT CONTROL

- Easily Installs In Light Fixtures-Post Lanterns-Etc.
 Now! Electronically protect your home in minutes...photo electronic "Lamp Liter" automaticaily turns lights On at dusk, Off at dawn. Easily Installs in driveway post lanterns; yard lights around swimming pools. patios, and gardens; or in expose mounted knockout type switch bozes. Built.in time delay prevents accidental switching from auto headtamps or flashing liphts. UL component listed for 120 volts 800 watts maxl. mum. Size: $1 H \times 1 W \times 21 / 4 " D$. Shpr. Wt., 6 oz . 13 P 64504

Net 5.95

## BURGESS Safari Lite

## FLUORESCENT LIGHT <br> SAFE-BRIGHT-

## - AC or Battery Operation

- With Batteries

Efficient battery powered light-welahs only a compact 9 lbs. yet delivers plenty of bripht light for use in tents, trailers, boats, patios, etc. Especially useful during emergencies. Two light levels are provided for brilliant or low intensity Illumination. Operates on batteries for only pennies per hour. Built-in 110 volt circuit permits use with standard AC current. Attractive polystyrene case and handle complemented with gleaming stainless steel trim. Sire: $12 \mathrm{Z} / \mathrm{Hx} 4 \mathrm{Wx73/4} \mathrm{D}$.
 13 P 80567 Shpg. wt., $11 / 4$ lbs. Net 23.95 32 P 47764 Pkg. of 2 Extra Batteries. Wt., $34 / 8$ ibs.

Net 7.66 12 P 10079 F8TSCW Replacement Bulb

# Electronic Dimmers—Electrical Accessories 

ELECTRIC OUTLET CONTROL CENTER


- Mount on Bench or Walls, or Keep Portable
If you need extra outlets, you need thls Electric Outiet Control Center. Has six individuat outlets with its own built-in fuse box. Finger-touch control on-off rocher switch with jeweled on-off indicator panel Ilight. Heavy duty line cord for use in the home, office and industry too. Complete with mounting screws for permanent installation on wall or bench, or use it as a portable con. trol center. For $110 / 120$ VAC. 1500 watts. 15 amps. Less fuse. Imported. Shpg. wt., 1 W 10.
14 P 21031
Net 6.25
Box of 515 amp fuses.
13P11679
Net .87


## DELUXE G-STATION ELECTRIC OUTLET CONTROL CENTER



- 7 Individual Finger-Touch Rocker Power Switches
- 7 Individual "Signal-Glo" On/Off Indicator Lights Provides six isolated, fused three prong " $U$ " tyoe grounded outlets. Convenient for home workshops, counter tops, etc. Mounts on wall, bench, floor, or remains portable. Each outlef utilizes switch and Indicator light. Bullt-in fuse compartment gives complete equipment protection. Entire fuse panel pulls out for easy, safe luse changing. Rating: 15 amperes at 100.120 volts AC ( 1800 Watts). 6 ft . 3 cond. heavy-duty cord. Size: $10 \mathrm{~L} \times 6 \mathrm{~W} \times 11 / 4 \times \mathrm{D}$.
14 P 21106 Shpg, wt., 21/2 lbs. Net 12.95 13 P 11679 Pkg. of 5 Fuses....Net . 87
 Descen do sately and convenienty deliver power to appliances, tools, lights, office equipment, etc. Easily mounted on wall, bench, floor, or hept portable. Slx 3-wire " $U$ " type grounded outiets controlled by one switch. Built-in circuit breaher protects equipment. Plot light indicates when power is on. Rugged steel case. Rating: $100 \cdot 120 \mathrm{~V}$ AC/DC@ 15 amperes. Sire: $131 / 221 / 4 x 2^{* *}$.
12 P 15508 Shpg. wi., 2 lbs. ....Net 8.95


Ideal as a fire alarm, burglar alarm warning bell. Gives a clear, loud ping to overcome high level background noise, Gleaming chrome-plated bett on a sturdy plastic base. 110 volfs: AC. Overall slize, $42 /{ }^{00}$ across and $21 / \mathbf{4}^{*}$ deep. Imported. Shpg. wt., 1 lb . 99 P 90235

Net 3.25

## DIMMER LIGHT CONTROL

- Individually Switched Outlets With Indicator Lights
Switchable power outlet box for wall or bench mounting. Three individualiy controlled outlets, each with its own indlcator light. Measures $4 \times 21 / 2 \times 1 \% \mathrm{~s}^{\prime \prime}$. Equipped with 3 potarized receptacles. 3 toggle switches, 3 indicator lights, 6 ft. Hine cord. Rated 5 amps at 125 volts $\mathrm{AC} / \mathrm{DC}$. Imparted. Shpg. wt., 1 lb .
99 P 80079
….............................Net 3.35

- No Wiring, Screws Into Standard Lamp Socket
Solid-slate dimmer tamp
control. Dial the exact
light you want with continuous control from candtelight to full brightness. For one or three-way bulbs. 200 watts. UL listed. Shpg. wt., $1 / 4 \mathrm{ib}$.
12 P 28543


- Push-On-Push-OH Dial
- Full Range-Total Darkness to Full Brightness
Enjoy modern lighting in any room in your home or oftice. Soft light for TV viewing. bright light for reading or working. Easy to use, dimming is continuous from oft to full illumination. Push on or off at any light level. Fits into standard single gang wall box without rewiring. Ivory plastic knob has brass finish insert. For 120 volts. 60 cycles AC. Operates incandecent lamps to 600 watt capacity. tHighest quallty- we will repair any defect due to material or workmanship within 2 years wfthout charge. Simply ship to Lafayelte predaid. Shpg. wt., 1/2 ib. 12 P 01011

Net 5.95

## 600-WATT LIGHT DIMMER CONTROL <br>  <br> Convenient on/olf dimmer control for use in living room, dining room, bedroom, family room, etc. Soft lighting for TV viewing and relaxing, bright light for reading and working. Easy to instali in any standard wall box wihout complicated rewiring. Operates incandescent lamps to 600 watt capacity. Ivory piastic knob with brass finish insert. For 115 VAC. 60 Hz . Shpg. wt., $1 / 2 \mathrm{lb}$. 12 P 26513 <br> Net 3.95



# Electrical Accessories <br> GARLAND "STANDBY" LIGHT <br> DEARBORN CIRCUIT MONITOR 

$13^{95}$

Plugs into any ordinary AC outtet. When electricity fails the "standby" goes on il.
 luminating ifs area with a powerful beam. Eliminates many problems encountered because of sudden darkness. Powered by rechargeable nickel-cadmium bat. teries. "Standby" incorporates its own built-in recharger. Always ready for emergencles. You never buy batterles again. May be used as an extra powerful flashlight when and where you need it. Shpg. wt., $1 / 4 \mathrm{lb}$. 14 P 14515

Net 13.95

## FLEXIBLE NECK <br> INSPECTION LIGHT



For use in any position. Perfect for hard to see areas in servicing TV's. Hi-fi's, auto and household appllances. Battery powered, with flevible chrome-plated neck and high intensity light beam, that puts the light where you want it. Ourable plastic case with handy metal loop for hanging. Uses 2 "C" cells. Complete with extra bulb. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$
13 P 27501
Net 3.29
Batteries for above (2 Rea.)
99 P 62572
Net . 17


- Ula ListedNot A Fuse - A True Circuit Breaker
- Don't Replace -Just Reset

Complefe circuit protection-fits in standard edison base fuse receplacle! Time delay for starting surges. Never needs replacingjust reset! Shpg. wt. . 4 oz.

| Stock No. | Amps | Net Each |
| :--- | :---: | ---: |
| 12 P 70024 | 10 | 1.59 |
| 12 P 70032 | 15 | 1.59 |
| 12 70040 | 20 | 1.59 |
| 12 P 70057 | 30 | 1.59 |

## VINYL PLASTIC ELECTRICAL TAPE 89



- $60 \mathrm{Ft} . \times 3 / 4^{\prime}$ 10,000 V. Breakdown - UL Listed • . 008 in. Thick First quality, pressure sensitive polyvinyl chloride tape. Extremely high dielectric strength of $10,000 \mathrm{~V}$. Dreakdown. Insulation resistance of one million megohms. Over $150 \%$ elongation at break. Excellent resist. ance against acids, alkalis, olls, salt water. etc. Tenslle strength of 15 lds. per in. High conformability. Forms tight, smooth protec. tive wrap. Imported. Shipg. wt., 6 or. 99 P 80152

Net 89

## LARGE PLASTIC TAPE KIT:

10 rolls of vinyl plastic tape Each roll 33 it. by $y_{3}{ }^{\prime \prime}$. 1 ea. of Red, white, sky blue. blue, grey. yellow, brown. green, black and orange. Shpg wt., $11 / 2$ ibs.
99 P 80301
Net 3.45


Provides light and power up to 20 feet from installation. Swivels $180^{\circ}$ when wall mount-ed- $360^{\circ}$ when ceiling mounted. Oetaches easily to change location. U.L. Histed. 13 P 83025 Shpg. wt., $4 \mathrm{Y} / 4 \mathrm{lbs}$. . Net 9.95 3-Wire Lite. As above but with 3-wire cord and plug. Shpg. wt.. $41 / 2$ lbs. 13 P 83041

Net 11.95
Cord pulls out to any desired length up to 15 feet ... locks into position . . . automatically relracts when the reel is not in use. 3.way outlet operates several appliances at once. Case: $612^{\prime \prime}$ dia., $11 / 4^{\prime \prime}$ thick. 10 amps Shpg. wt. 210 lbs
13 P 83033
Net 9.95

## INDOOR-OUTDOOR

## EXTENSION CORDS

- 2-Wire and 3.Wire, 16 Gauge 10 Amp - Heavy-Duty Round Cord With Molded Connectors

Use indoors and out, with power tools, re. frigerators, mowers, fans, etc. All are 16. gauge, 3 cond. cords have 3 prong plug. - 2-conductor

| Stock No. | Feet | Shpp. Wt | Net |
| :---: | :---: | :---: | :---: |
| $12 \mathrm{P} 550{ }^{\text {\% }}$ | 25 ft . | 13/4bs. | 1.95 |
| 12 P 55512** | 50 ft . | $21 / 2 \mathrm{lbs}$ | 329 |
| 12 P 55520* | 100 ft . | 54/ lbs. | 5.95 |
| 12 P 55538 ${ }^{\text {¢ }}$ | 25 ft . | 2 lbs. | 3.19 |
| 12 P 55546 ${ }^{\text {¢ }}$ | 50 ft . | 37\% lbs. | 5.49 |
| 12 P 55553 ¢ | 100 ft . | 53/4 lbs. | 8.95 |

A must for use in areas having a limited number of outlets. Permits the use of as many as 8 different appliances at one time. Easy to install or use unmounted. Rated at 1000 watts. Ivory colored tough plastic $12^{\text {" }}$ long by $1^{\prime \prime}$ square. Four foot heavy cord and plug. Shpg. wt., 1/2 lo .
12 P 47014
Same as above but 2 feet long
12 P 47022

Net 1.95
Net 3.19

## 5 95

 $-2$- A Must for Maintenance Men, Homeowners, Trailer Users, etc. Checks proper wiring of 3 -wire outlets. Indispensable for safe operation of appliances. power tools and office machines. Detects whether or not proper ground and AC polarity are available. Just plug into outlet, coded lights tell exactly what circuit condition is present: circuit OK, improper ground, improper neutrah, reversed polarity, reversed ground and power, and power off.'
12 P 73002 Shpg. wt., $42^{\prime \prime} 10$. .. Net 5.95
REMOTE CONTROL

- For TV, Hi-Fi, Lamps, etc

Turn any 110 volt appliance on and off without getting up from your chair or bed. Nothing to connect-just plug it in. Easy fingertip control with handy in-out push switch. Long 15 -foot cord. Imported. Capacity -750 watts. Shpg. wt., 12 lb .

## 14 P 21114

.Net 1.95

## AC LINE CORD

## * 3 andulumIIM 3

6.ft. replacement for worn line cords in lamps. radios, small appliances, etc. Plug at one end; other end siripped and tinned. Shpg. wt. 5 oz.
12 P 39011

## "THE WELCOME" ELECTRIC DOOR CHIME Provincial White with Gold Leaf Trim <br> Til <br> $5^{49}$

Contemporary design. blends well with any decor. Rich resonant tones; two notes front door one-note rear. Provinclal white case, brushed brass plate and kold leaf trim. Installation instructions included. $43 / \mathrm{Hx}$ 74 WK23\%"0. Shpg. wi. 2 lbs
12 P 48509
Net 5.49


## CHIME ACCESSORIES

(a) POLISHED BRASS LIGNTED PUSH BUTTON. Surface mount, equipped with miniature electric bulb. No special wiring required. 12 P 48525 for $6 \$ 10 \mathrm{~V}$. Wt.. 5 oz . Net 1.69
(8) "QUICK MOUNT" SIGNAL TRANSFORMER for bells, buzzers, chimes. Thermal switch prevents overload. Rated $16 \mathrm{v} ., 10 . \mathrm{W}$.
12 P 48541 UL IIsted. WL. 15 oz. . Net 3.19

## Sutermatic Time Controls - Clock Timer



## TYPE T101 TIME SWITCH

Turns equipment "on" and "olf" once in 24 hours, or from 1-12 "on" and "olf" operations a day can be obtained by use of extra trippers-can be added without removing dial. Min. on or off time 1 hr ., max. 23 hours. Can be turned on or off manually with reset SPST switch rated at 40 amps. 4375 watt capacity. Mounting holes and knochouts. Gray steel case. UL Listed. Operates on 110 volt 60 Hz AC. $73 \mathrm{ML} \times 5 \mathrm{Wx} 3^{\circ} \mathrm{D}$. Snpr. Wt. $31 / 4$ lbs. 13 P 27022

Net 11.34
TYPE T103. Same as above, but with OPST switch.

## 13 P 27600 <br> Net 12.64

TYPE P101. Similar to T102 except but with 6 ft cord set and receptacle. Capacity 1250 watts, ShDe wt, 3 浚 Ibs.
13 P 27030
Net 12.64

## TYPE T171 <br> "SKIPPER" TIME SWITCH

Automatically turns equipment on or off ships operations on any selected days. Ideal where offices or tactories are closed on Saturdays, Sundays or Holidays. Tutns "on and off" once every 24 hours with single set of trippers supplied, but up to 11 on and off operations can be had by adding extra trip. pers below. With 3 skipping screws; more can be added. 1 cut out tripper advances day dial automatically. Min. on or off time 1 hour, maximum 23 hours. Cap. 4000 watts. $73 \times 5 \times 3^{*}$. U/L Listed. Shpg. wt., 4 Ibs. for 110.120 V 60 Hz AC. SPST - Skips "ON" Operation. Shpg. wt., $31 / 4$ lbs.
13 P 27063
Net 14.59
Type T175-SPOT. Opens one circuit and closes another. Skips either "ON" or "OFF" operation. Shpe. wt., $31 / 4 \mathrm{lbs}$. 13 P27071

Net 15,89
Type P.ip1.30-Portable Plug-in version of Type T171. Capacity 1250 watts (contacts 10 amps ). 3 .wire cord set. Shpg. wt., $33 / 4 \mathrm{lbs}$. 13 P 27675

TYPE C-8815 CYCLER TIMER
Ideal for fans, pumps, motors, etc. Uses up to 10 sets of ON/OFF trippers, each providing 5 sec. duration cycle. Operations may range from 5 sec , to 9 min . 55 sec , in any multiple of 5 sec . Dial makes complete cycle every 10 min . SPDT switch rated at 20 amps per pole; $1 / 2 \mathrm{HP} ; 2500$ watts. Size: $7 \mathrm{Y} / \mathrm{H}^{2} \mathrm{x}$ $5 \mathrm{~W} \times 3^{\circ} \mathrm{D}$. Combination $1 / 2^{\prime \prime}-34^{\prime \prime}$ knockouts, 1 on back and each side and 2 on bottom. For $125 \mathrm{VAC}, 60 \mathrm{~Hz}$. UL Listed.
For 1327634 Shpg. Wt., $33 / 4$ Ibs. Net 16.87 SET OF 10 COMBINATION ON/OFF TRIPPERS 13 P 27642 Shpg. wi., 3 nz ... Net. 50

## PROGRAM TIMERS 1-96 OPERATIONS EVERY 24 HOURS

TYPE T-1905. Designed for applications re. quiring many ON-OFF operations. Can be set for as many as 48 ON and 48 OFF operations during any 24 -hour period. Minimum "ON" or "OFF" period is 15 minutes; maximum is 23 hours 45 minutes. Ideal for control of heating. air-conditioning, ventliating, etc. Has SPDT switch. Contacts rated to handle 20 amps at 125 volts. For $105 \cdot 125 \mathrm{~V} ; 60 \mathrm{Mz}$ AC. U/L Listed. $74 \times 5 \times 3^{\circ}$. Shpg. wt., $34 / 4$ lbs. 13P 27139
13 P 27139 Net 22.07
TVPE T1975. Same as T1905 above, but has "Skipper" feature for omitting operations on selected days. Shpg. wt., $31 / 4 \mathrm{lbs}$.
13 P 27360 Net ea. 25.32
TYPE P1971, Portable Plug-In version of Type 1975. Contacts rated 10 amps at 125 volts 60 Hz AC. Shpg. wt., $34 / 2 \mathrm{lbs}$,

## 13 P 27147

Net 27.59

## SEVEN-DAY TIME SWITCHES

Switches can be programmed weellly or daily with a different ON/OFF program each day. Up to 4 operations dally, Min. ON bime: 1 hr, 7 sets of trippers. Switches rated 40 amps per pole. Combination $1 / 2^{\prime \prime}-1 /{ }^{\text {" }}$ knochouts. for 125 VAC, 60 Hz . UL lisied.
Model V-46101. SPST, Size: $71 / 2 \mathrm{Wx} 11 \mathrm{I} / 4 \mathrm{Hx}$ $3 \mathrm{M}^{\circ \prime} \mathrm{O}$. Knockouts: 1 per side, and 3 on bottom.
13P27659 Shpe. wt., 63/4 lbs. Net 24.34 Model $V-46301$. 3PST. Size: $81 / 2 \mathrm{~W} \times 12 \mathrm{Hx}$ $4780^{\circ} 0$. Knockouts: 1 der side, 3 bottom, 2 47\%"O Knockouts: 1 de
tpp. Shpg. wt., $63 / \mathrm{m}^{\text {lbs }}$
13 P 27667

## TYPE T185 TIME SWITCH

For applications where multiple "on-off" cycles of 5 to 60 minutes are required in a 24 hr . period. A minute selector on each speciatly designed tripper sets the number of minutes. ( 5 to 60 ), the "on-off" cycle will operate. Up to 12 combinations can be used at the same time. Minimum interval between start of each cycle. 13 h hrs. rated 40 amps , 4375 watts, 125 volts, AC, $71 / 4 \times 5 \times 3^{\prime \prime}$. With 3 trippers (for 2 "onoff" 8 cyeles). For 110 125 volts, 60 Hz AC. U/L Listed. Shpg. wt., $3 \mathrm{M} / \mathrm{lbs}$. 13 P 27048

Net 14.92 Extra Trippers for above. One Tripper for each additional "on-off" cycles. Wt.. 4 oz. 13 P 27055

Net 1.95

## "SKIPPER" 3 CIRCUIT SPRINKLER TIMER

THE INTEAMATIC lawn sprimkling system time controls permit completely automatic pre. programmed watering of up to 3 zones. A 24 hour time dial can be set to initiate sprinkling any time during the day while skipper wheels serve to eliminate watering on selected days. Time durations per area are adjustable from 5 to 60 minutes. May be manually operated. Rated at 120 volts. 60 Hz , 5 amps. Gray hammertone case measuring $73 / 4 \times 5 \times 33^{\prime \prime}$. U/L Listed. ShpR. wi., $3 \div 4 \mathrm{HS}$. TYPE 15.7041 14 DAY SKIPPER
13 P 27592
Net 18.17

## SWITCH ACCESSORIES

ThIPPERS-Set of ON-OFF units (one for each) for all models except T185, c8301s. T1905, P1971, T1975 and Sprinkier Timer. Shpg. wt. 302.
13 P 27097 per set
Net .50
COMB ON.CUTOUT TRIPPER. FOR "Skipper" types only. Shpg. wt., 3 oz.
13 P 27105
Net .50
SKIPPING SCREW. For "Skipper" types only. 13 P 27113 Shpg. wt., 2 oz.

## Pntermatic Air Conditioner Timer

## Automatically Turns Air Conditioners On and Off As You Like

At home or in the office, this heavy-duty TIME-ALL turns on air condltioners before you arrive-cools things down so that you are perfectly comfortable. It also turns air conditioners off ... after you are comfortably asleep. or gone for the day. You never have to remember. TIME-ALL does it for you automalically! Maximum ON time: 22 hirs., 45 min . Minimum ON time: 15 min . May also be used for controlling lights as well as other electrical appliances. With 3-conductor grounded cord and plug.
Model E-941 120 VAC, 60 Hz . 12 Amps Full load- 15 Amps Total load. 13 P 27618 Shpg. Wt., 174 lbs........................................ 11.50 Model ©-942 Similar to above except for 250 VAC, 60 Hz .
13 P 27626 Shpg. 'wto, $13 / 4 \mathrm{lbs}$.

- Plug-in Cord Set Eliminates Wire Clutter
- No Special Wiring -Just Plug in As Low As
1150

Net 12.95


## LAFAYETTE Techni-Timer



- Makes Any Lamp or Appliance Completely Automatic
- Turns Lights On and Off When You're AwayDiscourage Prowlers
- No Special Wiring-Just Plug In
- Handles Loads Up To 1875 Watts
- Can Be Set To Skip.A.Day -

The Lafayette rechni-Timer makes practically everything electrical automatic. Turns radios on and off. Does not have to be reset each night. Defrosts refrigerator, controls roaster. electric blanket, fans, coffee-makers. phono graphs, etc. Turns your home lights on and off automatically while you're away. Repeats cycle every 24 hours-no need to reset. Min. imum ON lime 15 minutes, maximum ON time, 23-hours. Minimum OFF time 1 hour max. OFF time. 23 -hours 45 minutes. Easy to read- 24 -hour dial. Can be set to skip-a
day operation and, controlled manually with out automatic reset. Attractive design. For sheif, table or wall mounting. With 6 ft . cord. plug and receptacle for equidment to be controlled. Hishest quality-we will repait any defect due to material or workmanship within 1 year without charre. Simply shid timer to Lafayette prepaid. $5 \mathrm{~W} \times 4 \mathrm{H} \times 22^{\circ}{ }^{\circ} \mathrm{O}$. Capacity 15 amps., 1875 watts, $125 \mathrm{v} ., 60 \mathrm{~Hz}$ UL/CSA listed. Shpg. wt., $13 / 4 \mathrm{lbs}$
13 P01407
Net ea. 7.95

## LAFAYETTE Plug-In 24-Hour Timer

Automatically Turns Lights On and Off When You Are Away


- Handles Up To 1500 Watts
- Gives Your Home A "Lived. In" Look
- Discourages Prowlers
- No Wiring Required

A compact cordless convemence plugs directly into wall socket. Finger-tip control allows you to set and forget it. Once destred "on and off" times are set. plug in lamp. radio, or fan, ete.-up to 1500 Walts and the automatic timer takes over. Resets automatically. Maximum "on" time- $21 / 2$ hours; minimum "on" time- $21 / 2$ hours. Highest
quality - we will repair any defect due to material or workmanship within 1 year without charge. Simply ship tumer to Lalayette prepsid, Capacity: 12 Amps. 1500 Walts $125 \mathrm{~V}, 60 \mathrm{~Hz}$. AC. UL Listed. Size: $233_{4} \times 33 \mathrm{4}$ " ${ }^{21} 1^{\prime \prime}$. Shpg. wt.. 2 lbs.

13 P 01738
Net 5.95


# Precision Timers for Home and Industry 



## 5-HOUR "RINGER TIMER"

## LAFAYETTE <br> TV TIMER CONTROL only 540

- From 5 Minutes to One Hour
- 500 Watt Capacity with 15 Cord


An indispensable aid for your everyday timing needs-cooking, photography. phone calls, etc. Loud long-ringina bell signals the end of the preset time period. Has an easy-to-read. crystal covered blach dial with boid white numerals, nold hour dividers, and a red dial window to show the hours from 1 to 5 . Housed in an attractively styled hikh-impact white piastic case. From England. Shpg. Wt. . Y/4 Ib. 13 P13501

## SWISS POCKET TIMER

- Sel It and Forget It
- Buzzes at Any Pre-Set Time up to 120 Minutes Avoid parking tickets, late appointments, eic Also use as a timer on phone calls, cooking photography, efc. The 120 -minute dial is marked in 5 minute intervals. To operate, just set the dial to the time wanted and the buzzer will sound off when the pre-selected time has elapsed. With handy key chain. Shps. wt. $1 / 4 \mathrm{lb}$
13 P 311151 $\qquad$ Net 6.40


## INTERMATIC TIMING MOTOR



Self-starting synchronous motor with lifetime lubrication. Geared to 4 clockwise revolutions per hour. Wil! retain constant speed even under line voltage variations of $25 \%$. Torque load 502 . in. maximum. Shaft $4{ }^{2}$ "Lr $\mathrm{y}_{\mathrm{a}}$ " dia. For $110-120$ volt 60 Hz AC . Shps. wt. 702.
13 P 27246 Intermatic $\mathbf{w} \cdot \mathbf{1 6 0}$. Net 4.50

Now you can fall asleed white TV is still on! No need to wake up and turn it off. the TV Timer Control turns off your TV sef automaticatly. Simply plug the TV into the Timer Control, and the Timer Control into the wall outlet. Then furn the diat to choose the aulomatic "turn-off" time $\qquad$ from 5 minules to one hour. The 500 .watt capacity makes it lideal for use with most other mousehold appliances-radio, hi-fi. tape recorder, lamp, patio IIght, electric blanket, heating pad, hair dryer, eic. With 15' cord. Imported. Shpr. wt., I tb.
99 P 80798
Net 5.40


Now you can enjoy late TV viewing without worry of leaving the set on ali night if you fall asleep. Elegant simulated teakwood faceplate and blach case will blend with any decor. Heavy-duty timer plugs Into AC oullet and any TV set rated up to 840 watts, plugs into timer. TV can be adjusted to turn off from 15 minutes to 6 hours. With $6^{\circ}$
 60 Hz AC . Shpg. wt.. $17 / 4 \mathrm{lbs}$
19 P 17593
Net 8.95

## RHODES MARK-TIME SWITCHES

## (A) TV/STEREO TIME SWITCH

 - For Hifi TV fanAnd Other Small Appliances An automatic time switch, extension cord, convenient outter Timing range up to 4 hours, with manual "Hold" Feature. Easy to operate-plug it into any wall outiot, connect one, two or three devices to be controlied. and turn the knot to the time period desired. At the end of time period, the electicity is turned off automatically, 6 . 1 oot cord. 10 amps. 120 VAC U. L. ilsted. wt., 1 lb . 13P85012

Net 5.99

## (B) FOR WALL BOX INSTALLATION

A dependable and versatile time switch to automatically turn off aftic fans, porth and garage lights, window lights, heating units. etc, at any preset time, Has special HOLD feature: turn of knob cuts out timing mech anism and allows unit to be used at a regular toggle switch. Capaclity 20 amps. 125 volts AC. U.L. CSA listed. Satin-chrome dial $41 / 2 \mathrm{~Hz}$ $3^{\prime \prime}$; switeh $21 / 2 H z 13 \mathrm{Wrl} \mathrm{y}^{2} \mathrm{D}$. Fits any standard rectangulap wall bor. wt., 1 lb . MODEL 90024-lime range up to 1 hr . 13 P 85020 Net 5.99 Model 90015-to 12 hours. wt. $1 / 4$ ib. 13 P 85038

Net 5.98

## [C)PHOTOGRAPHIC TIME SWITCH

If's easy to control accurate timing on photogiaphic developers, enlargers, and photo copy equipment by plupgina them into the convenience outlet on this inexpensive unit adjustable stop makes repeated settingseven in total darkness-easy and foclproof Times up to 60 seconds, then automatically shuts off current. May also be used as "on. off" switch when liming is unnecessary Rated 15 amps- 125 volis-A.C. UL and CSA ilsted. Shpg. wt., $11 / 2$ fbs.
13 P 85046 Model 78174
Net 7.88


BUILT-IN INDUSTRIAL TIME SWITCH

Easily panel mounted or installed in a $4^{-}$ octagon wittch box using the adapter plate. May be used in conjunction with thermostats to time confrol zone heated areas. Yersatile SPDT construction permits switch to be wired for elther "on" or "olf"" type operation. Rated at 20 amps. $125 \mathrm{~V} / 240 \mathrm{~V} A F$. UL and CSA isted. Shpt. wt., $3 / \mathrm{h} 10$.
$13 P 5507915 \mathrm{~min}$.
13 P 5503730 min .
Net 6.58
Net 6.58 13 P 8510360 min . Net 8.56 ADAPTER FOR 4"Octagon Switch Box 13 P 85095 Shpg. wt., 8 oz. Net . 39 (E) 2-SPEED PRECISION TIMER

- For Precise 1 Second To 1 Hour Timing

In The Home, Office and Laboratory
Indispensable for timing precise, short oper. ations such as bolling eges, pressure cooking, hest and sun lamp treatment, home permanents, photo developing and prinilng, tong distance calls, efc. Times up to $6 \mathrm{~m} / \mathrm{n}$. utes in seconds and up to 1 hour in minutes. Exclusive 2 -speed feature permits Instant timing speed change by fich of a lever. bell sounds at end of timing period. Smartly styled in white with dlal face a rich copper tone. $121 / 2^{\prime \prime}$. Snps. wi., 1 lb .

## 13 P 85053 Model 2130

Net 5.33

## (1) UTILITY HOUSEHOLD TIMER

This reliable. tow-priced timer in a neat dur. able white plastic case has Innumerable househoid timing uses, l.e., cooking. baking, home permanents, games, remembering ap pointments, TV and radio programs. etc. times any interval up to one hour accurately and gives resonant bell slgnal at end of deriod. $34 / 23 \times 142^{\prime}$. Shpg. wt., $3 / 4 \mathrm{lb}$. 13 P 85061 Model 29001 ..... Net 3.25


# EICO PROFESSIONAL BURGLAR/FIRE ALARM SYSTEM 



## NuTOne <br> SOLIO-STATE INTRUSION ALARM SYSTEM



$$
34^{5 \times}
$$

No Money Oown*

- Automatic Time Delay Switch Lets You Exit Or Re. Enter Without Setting Off Alarm
- Key-Controlled And Tamper Proof
- Battery Test Indicator Light

Electronic Early warning intruder system. Use in your home, office, or on business premises. Powerful horn blast, Installs easily, no special tools required, the system is key controlled; once triggered it cannot te sitemced ty pultime of switches or cutting wires. Uses inconspicuous switches on docrs and windows. Up to fifty addltional switches can be attached to the master unit. Complete with one magnetic contact switch. set of keys, 30 ft . of wire and instructions. Re guires 3 " $0^{\prime \prime}$ batteries. Size 12 L y $33 / 6 \mathrm{~W}$ x $17 / /^{\prime \prime} \mathrm{D}$. See additional switches on page 317.
14 P 29505 Shpg. wt., 3 lbs
Net 34.95
60 Ft. Additional Wire. Shpg. wt. 10 oz
14 P 29521
Net 1.95
Qatteries for above (3 Req.) Wi., ea. 5 oz .
Net .28
99 P63661 Auxiliary Inside Alarm Horn. Surface mount with 30 ft . wire. We. it ib.
I4 P 29539

FIRE ESCAPE LAODER


- Attaches to Any Windowsill
- Lightweight All Aluminum Construction
- Stand-off Arm Keeps Ladder Away from Wall
Safeguard your family and loved ones when fire threatens. Lightweight aluminum 15 ft . chain ladder is a must for all two-story owellings. Ladder attaches quichly and easily to any double-hung or casement window sill and holds up to 1000 lbs . Stand-oll arm keeps ladder away from wall for ease of climbing. Stores conveniently below window when not in use. Shpg. wt., st lbs. 13 P 75013W Net 14.95

Model \$\$.500 Securily System has been expressly designed for the do-it yourself installer, No soldering, special tools or shilts are required. Supplied with one key and one remote station control, the FC- 100 master accepts up to nine remote "on-off" stations. Master incorporates two indicator lights; a white circuit test light and a red alarm "on" light, 4 door/window magnetic switches, 2 door cords and 2 tamper switches provide basic protection for the average home, apartment, or small business. Fire/heat sensors will sound optional separate fire waxon horn. Panic buttons over-ride all other sensors. System automatically changes from 117 volts AC to battery power when AC current falls. 34 page handbook provides complete easy-to-follow installation procedures. Supplied less battery. See'page 311 for additional switches and fire/heat sensors. Shpg. wt. 16 lbs.
14 P 33507 W No Money Down ${ }^{*}$
.Net 129.95
SMOKE ANO HEAT DETECTOR


The Model SM-5 Smoke and Heat Detector contains an dutomatic smoke detector, automatic fire alarm sensor, and a powerful buzzer. ldeal for home, business, office. This alarm unit protects by "seeing" smoke and "feeling" heat or fire in its earliest stages and sounding the powerful buzzer. Completely transistorized. Indicat or light has a 70,000 hour life. It "feels" (senses) heat at $135^{\circ} \mathrm{F}$. 00 . erates on tess than 3 cents of electricity per month. Size: $41 / 4 \times 43 / 4$ $\times 21 / 2^{2}$. For 110.120 VAC or $220-240$ VAC. Shpg. wt. $11 / 4$ lbs. 14 P13517

Net 29.95


Powered by its own self-contained hermetically sealed electronic energlzer. Loud piercing siren sounds off for 2 hours or more. No mainterance-requires replacement only after activated by fire, Special sensor tip will trigger alarm when tempersture reaches $135^{\circ}$ F. Easily instalted on walls, doors. or cellings. Ivory finish. 14 P 17500 Shpg. wt., $1 / 2$ lo Net 5.95

## GARLANO FIRE ALARM



- Always Fully Charged

Bulltin 117 VAC charging circuit keeps Internat batterles up to full power, Never needs replacement batteries. Works even in the event of a power failure. Loud continuous alarm sounds when room temperature reaches danger level ( $126^{\circ}-140^{\circ}$ ). Convenient test button allows periodic cheching of unit. 14 P 14 S07 Shpg. wt., \%/4 lb. Net 12.85

# Prevent Tomorrow's Loss By Protecting Today 

## On-Guard COMPLETE 69 95

 SOLID-STATE BURGLAR and FIRE ALARM SYSTEM- Total Protec. tion Against Fire \& Theft
- Heavy-Duty TamperProof Steel Weatherproof Box
Reliable, easy-to-install, self-contained fire/intrusion system features an independent "full-time" fire protection circuit with separate sounder, Professional bell box incorporetes loud 8 -inch bell, fire tazon, tamper and activation circuits. Clipping wires or opening protected points sounds alarm. Dust proof key switch resels and reactlvates system. Includes 4 sets of magnetic door/window switches, 2 keys, 3 thermostatic $135^{\circ}$ fire/heat sensors, interior activation switch. panic button. 200 feet of hook-up wire, insutated nalls, hard. ware, decals and instructions. Operates on standard 12 volt lantern battery (not included). Additional fire and intrusion sensors listed on this page. Shpg. Wt. 20 lbs.
14 P 13590 W No Money Down ${ }^{\circ}$.............................. 3 tot 69.95 14 P 13566100 Feet of Additional Wire. WI., 3 lbs. Net 2.90 32 P 47772 12-volt Battery for above. Wi., $1 / 4 \mathrm{Ib}$.... Net 2.64


## On-Guard SELF.CONTAINED BURGLAR ALARM SYSTEM $49^{95}$

- Heavy-Duty Tamper.Proof Steel Weatherproof Box
- For Homes, Offices, Plants, etc.


Guards windows, doors or other entry polnts by sounding an extra loud $8^{\prime \prime}$ bell, upon intrusion. Self contained battery, bell, and master circuit are housed in a durable weatheiproof grey hammertone box that has a bulit-in tampering protection circuit. Clipping wires or opening the outer box, as well as entering the protected windows or doors will sound the alarm. Sound continues until you turn it off by way of a dust proof hey tock switch. Includes four sets of maknetic switches. Features key switch to permit exit and re-entry without sounding alarm. Panic button, which also operates as a test button. may be used to manually indicate an emergency. Operates on a standard 12 -volt lantern battery, not supplied. Includes instructions, decal, 2 keys, and 100 feet of wire. Additional switches listed on this page. Shpe. wt. $131 / 2 \mathrm{lbs}$.
14 P 1355 BW NO Money Down* ....................................Net 49.95 14 P 13558 No Mon Mown 13566 100-Feet of Additional Wire. Wit., 3 ibs. Net 2.90 32 P 4777212 -volt Battery For Above. Wt., $3 / 4 \mathrm{lb}$.....Net 2.64

## EMERSON-RITTENHOUSE PROFESSIONAL INTRUSION SECURITY SYSTEM



- Automatic Intruder Protection

Provides rellable automatic operation that's always alert . . . detects an Intruder and sounds the alarm at the trip of the sensitive detec. tors. Unit surprises intruder with an alarm that can't be sllenced by ciosing window or door. Alarm sounds off until manually reset at the control panel. Features tamperproos detection with "lock-ln" automatic alarm. manual aiarm switches for push-button slgnalling, and zold anodized control panel with activation light, off-on control, and alarm reset switch Panel measures only $44^{4} 0^{\prime} \times 44_{5}^{\prime \prime}$ and mounts and alarm reset switch. Panel measures only $43{ }^{\text {" } x 4 \% \text { " and mounts }}$ In a standard 2 -gang electrical box. Conirol panel may be concealed in closet. etc. Package includes security control panel, indoor alarm horn, ithree flush magnetic door/window switches. two manual atarm pushbuttons, and power transformer. See Accessorles Below. 13 P 83504 Shpg. wi., 44/ lbs. No Money Down* Net 49.95

## ACCESSORIES FOR RITTENHOUSE SECURITY SYSTEM

OUTSIOE KEY-LOCK CONTROL. Permits protection while owner is away from home. Indicator light llluminates to confirm system is activated. Mounts on standard single. gang boz. Pamperproof. ... alarm sounds if intruder removes panel. Staintess steel flnISh. Dimensions: $44 / 2^{\prime \prime} H \times 23 / 4$ W.
13 'P 83546 Shpg. wt.. $1 / 2 \mathrm{lb}$. Net 24.95 5-Conductor Cable for above control 13P 83611 Shpg. wt., 12 oz . Net 3.39 DUTSIOE BEACON ALARM MORN. Provides warning light and alarm horn in one integral unit. Designed for installation outside of home. Tapered red cyllndrical lens. Back plate dimensions: $442^{\prime \prime} \times 61 / 0^{\prime \prime}$. Mounts on single-gang $34_{4}^{\prime \prime}$ or $4^{\prime \prime}$ outlet box. Extends from wall $434^{\mathrm{m}}$. Brushed aluminum,
13 P 83579 Shpg. wt., 3 lbs. . Net 22.95

> WIRE FOR ABOVE ALARM SYSTEM


18 Gauge Single Conductor Wire For Window and Door Switches. 13 P 83512200 Ft. Roll. Shpg. wt., 242 lbs. ...............Net 4.35 18 Gauge 2-Conductor Wire For Indoor Alarm Horn, geacon Alarm Horn, and Alarm Push Button. Shpg. wt. 3 liss. 32 P 36288100 Ft. Coli

## HEAT/FIRE SENSORS WITH SCREWS

Open circuit heat/fire sensors eover areas up to $20 \times 20$ feet. Ideal for alarm system expansion. Sensitive sensors reset automatically. Wi., ${ }^{4} 0 z_{0}$ 14. P $13608135^{\circ}$ For Living Areas Net 1.99 14 P 13616 190* For Attics, etc. ..Net 1.99


## BY-PASS SWITCH

Versatile switch permits by-passing of a particu. lar window or door while maintalning Intrusion protection. Great for ventilation or patio door, etc. Shpg. wt., 602.
14 P 33564 PKg. of 2
Net 3.25


## SECURITY SWITCHES FOR CLOSED

 CIRCUIT ALARM SYSTEMS
# Ultrasonic Intrusion Alarms DELUXE ULTRASONIC INTRUSION ALARM <br>  <br> $\triangle$ULTRASONIC INTRUSION ALARM 

Protects
Your Home or Business
Against Thieves, Prowlers, Vandals

$79^{95}$

- Easy, Plug-In Installation
- Can Be Used With Smoke And Fire Detectors - Activates Lamps, Bells, Sirens

Invisible ultrasonic waves from this unit blanket any area of up to 300 sq. ft . Movement within this area will trigger any device plugged Into the alarm, up to 5 amps. Accessory terminals permit the connection of sensors for ffre, and door/window security switches, to make this unit a complete warning system. After turning on the unit, a 30 sec . delay permits you to leave without setting off the alarm. Upon entering the protected area, alarm may be set to go off either immediately. or after a 20 sec . delay to give you time to shut off system. After sounding the alerting device, the alarm recycles to the sensing mode. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: $101 / 2 \times 3 \times 51 / 2^{\prime \prime}$. See accessory slren below, and fire and door/window switches on page 319. 14 P 11503 L No Money Down ${ }^{\circ}$ Shpg. wi., 4 lbs.........Net 79.95


## FLOOD ALARM

$14^{95}$

- Detects Water And Sounds A Built-In Buzzer
- For Basements, Laundry Room, Boiler Room, Swimming Pool

A low cost, sale, and rellable system which sounds an alarm when it detects water in unwanted places. A Irickle of water will set off the alarm, to alert you before extensive damage takes place. The power unit contains sensing circulery and a buzzer assembly. The sensor comes with $20^{\circ}$ cable, which may be increased to $250^{\circ}$. Up to 50 sensors may be connected to a single power unit. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Size: power unit $4 \times 2 \mathrm{~V} / 2 \times 21 / 4^{m}$, sensor $7 / 00 \times 27 / 4 \mathrm{~m}$. Shpg, wt., 1 to. 14 P 20504
Additional Sensor with 20 ft . wire and hardware
14 P 20512 Shpg. wt., 4 oz. ........................Net 6.95


## Protects Your Home or Business Against Intruders and Burglars

## $59^{95}$

- Easy, Plug-In Installation
- Turns On Lamps, Rings Bell-Siren
Will protect doorways, rooms, or any area that an intruder may enter. Ulitrasonic beam covers an area up to $\mathbf{1 5 - 3 0} \mathrm{ft}$. In front of unit depending on shape of room and contents. When area is entered, ifghts, bellsiren or both are turned on to give a visual and audible alarm. Can be set as a conveni. ence monitor to turn light on when you enter a room; shuts off $3 \mathbf{m i n}$. after you leave Sensitivity/range and position easily set to allow pets to enter. Variable timer allows alarm to remain on from 8 sec . to 3 min. automatically resets itself for continuous protection. No speciai wiring necessary; lights or bell-siren plug directly into unit. Handies up to 575 watts; 117VAC at 5 amps. Alarm system turns on 10 sec after you actlvate system to allow you to leave area. Controls: on/off switch, sensitivity and range. Size: $103 / 431 / 4 \times 31 / 4^{\prime \prime}$. Attractive walnut finish. Requires 110.130 VAC, 60 Hz . Shpg. wt., 3 Ibs. See optional unit below which provides a bulltoln horn and a 20 sec. delay of bell. siren for extra time to enter protected area. See accessory siren below.
12 P 56510 No Money Down
.Net 59.95
99 P 90235 342" Bell for above. Shpg. wt. 1 lb. ........Net 3.25
12 P 390116 Ft. Line Cord Net .39


DELTA HORN

- Combination Horn/Delay
Plugs directly Into above intrusion alarm. Provides delay of 20 sec . before bullt-in horn or external bell are actlvated to allow entering protected area and turn ing off alarm. Internal horn operates inter mittantly (10 sec. "on", 5 sec . "off") enternal bell operates as long as above alarm is on. With builtin AC outlet, line cord and plug. Handles up to 575 watts; 115 VAC at 5 amps. Size: $31 / 4 \times 31 / 4 \times 33 /{ }^{\prime \prime}$
12 P 5652 Shpr. wt. $13 / 4$ Jbs. Net 24.95


## 110-VOLT

 POLICE TYPE SIREN

Provides a sharp penetrating sound which can be heard at a great distance. All rotating parts are prectsion balanced, extremely durable and may be used outdoors when housed in siren cabinet below. Siren features: Spun aluminum trumpet with heavy-duty motor and mounting bracket. Ideal for uitrasonic alarm systems above and for use with alarm systems in homes, stores and factories. For 110 V. $50 / 60$ cycles. 1 amp. Size: $51 / 4^{\circ \prime} \times$ 8"I. Shpg. Wt. $4 \mathrm{~A} / 4 \mathrm{lbs}$.
14 P13574
Net 16.95
SIREN CABINET FOR MOUNTING SIREN OUTDOORS
Size: $6 \times 8 \times 104 / 2^{\prime \prime}$. Shpg. wh., 3 lbs.
14 P 13582
Net 4.95

WINDOW LOCK ALARM

$3^{95}$

- For Use on All Double-Hung Windows
The new windo-Loc-Larm is an effective home security device that installs in minutes using only a screwdriver. When an attempt is made to raise the window from the outside, it automatically sounds an alarm and relocks the window to prevent entry. Can be used with window closed or partly open for ventliation. With "warning" decal.
13 P 75005 Less battery. Shpg. wt. . 1 lb . ..... Net 3.95 99 P 63703 "AA" battery for above (1 req.) .. Net 18



## MALLORY SONALERT ELECTRONIC AUOIBLE SIGNAL OEVICE

Sollo-state circuitry, no mechanical wear no arcing-no RF noise. Small size, lightwelght, and low current drain allow them to be used in most clrcults where warning devices are needed. Type SC628P has pulsating tone Extensively used in fault alarms in computers, fire signals. instruments appliances, and communications as well as telephone signals and protec. tion equipment. Applicatlon possibilities are limitless. Size: all l"kan dia. x .781 " long except, $\uparrow$ are $1.38^{\prime \prime}$ long. Installed weght: all $11 / 402$. except $\ddagger$ are 2 oz. All Models manulactured with silicon transistors, allowing operatint temperatures of $-40^{\circ}$ to +1850 F . Shpg. wt., 5 oz .

| Stack Ne. | $\begin{aligned} & \text { Trpe } \\ & \text { Mo. } \end{aligned}$ | Operatint Voltare | Freq. Hz | $\begin{gathered} \text { Intensity } \\ D B \end{gathered}$ | Current MA. | $\begin{aligned} & \text { Het } \\ & 1-24 \end{aligned}$ | $\begin{aligned} & \text { Each } \\ & 25.49 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12 P 74018 | SC628 | 6-28DC DC | 2900 | 68.80 | $3 \cdot 14$ | 5.50 | 5.40 |
| 12 P 74026 | SC628H | 6.28 DC | 4500 | 68-80 | 3-14 | 6.35 | 6.25 |
| 12 P 7403414 | SC628P | 6-28DC | 2900 | 68-80 | 3-14 | 9.95 | 9.75 |
| 12 P 74042 t | SC628A | 6-28ACJDC | 2900 | 68-80 | 3.14 | 8.75 | 8.60 |
| 12 P74067t | SC110 | 110 AC | 2900 | 80 | 14 | 8.75 | 6.60 |

# Electronic Burglar, Warning Systems WORNER ELECTRONIC <br> <br> LAFAYETTE PHOTO ELECTRONIC RELAY SYSTEM 

 <br> <br> LAFAYETTE PHOTO ELECTRONIC RELAY SYSTEM} RECEPTIONIST


## $68^{4}$ <br> WITH CHIME

MODEL 61 ANNOUNCER, COnsists of "Fotoelectric" unit, chime and mirror, Chime rings when light beam is intercepted. Unit has exciter lamp which projects beam across passage, and photocell which receives rellected beam from mirror; may be placed up to $10^{\circ}$ from mirror. $81 / 4 \times 61 / 2 \times 23 / 4{ }^{\prime \prime}$. For $110-$ 120 V. $50-60$ cycle A.C. Shpg. wt. $83 / \mathrm{lbs}$. 12 P 88018 No Money Down ${ }^{\text {º........Net } 68.04}$

## WORNER MODEL 5150 ELECTRONIC BURGLAR



ALARM


Indoor detection system. Infra-red beam operates amplifier uo to 150 ft . Removable red filter. Both units have on-aff switch. Ampllfier relay unit features sensitivlty control, extraneous light shielding and loch. Only keyholder can lurn off alarm or resef trap. Steel cases. Light source $41 / 2 \times 41 / 4 \times 7$ "; am. plifier $51 / 3 \times 7 \times 51 / 4$. with split door, hinged bottom. For $110 / 120 \mathrm{~V} 50-60 \mathrm{~Hz}$. Shpg. wi., 13 tbs.
12 P B8059W No Money Down * Net 185.79 WORNER ACCESSORIES 60.1130 既 PLACEMENT BULE 6 V . 32 CP . 2000 hours. For models 61, 4000, and 5150 12 P8026 Shpg. wt., 3 oz. Net 95 EXTRA CHIME for Models 61 and 4000 and any other 6 VAC power source. Serves as an excellent warning device.
12 P 88034 Shpg. wt., $12 / 2$ los. Net 8.16


Gives off loud plercing blasts. Unique dual powef feature allows you to use horn when airpack is empty, by simply using button as a mouthplece. Meets I.C.C. and U.S. Coast Guard require. ments. Made of lough durable cycolac.t Use for outdoor athletic events, or emergencles. Shpg. wt., $13 / 4 \mathrm{lbs}$. 14 P 18508
Replacement 12 or. Air Pack
14 P 18516 Shpg. wt., IHi4 lbs. Net 1.49

Includes Photo Cell Receiver Plus Electronically Operated Relay Plus Exciter Lamp - —— Efficient 2.Unit, 3-Element Oesign


The Lafayette Photo-Electronic Relay is your key to an inexpensive indoor warning or counting system. Consisting of a rugged exciter and retay unit and operating on $110-120 \mathrm{~V}$ AC, it can be connected to signal persons entering a room, counting people or merchandise or function as an effective alarm system to warn of intruders. Effectlve up to 48 feet (without fitter, 18 to 20 feet with filter, relay, unit has a convenient variable sensitivity control and switch for intermittent alarm operation. Exciter has removable infrared filter. Mounts easily across area to be supervised. Metal case. Size: $4 \mathrm{~V} / 4 \mathrm{Hx} 3 \mathrm{Wx} 41 / 2^{\prime D} \mathrm{D}$. Imported.
99 P 90821 Shpg. wt., $41 / 2$ tbs.
99 P 902766 Volt, 20 Watt Replacement Bulb ......................................................... ea.

99 P 90235 Electric Bell, 110 V AC. Shpg. wt., 1202.
Net 3.25
99 P 90110 6-Digit Electric Counter, Shpg. wi., 1 ID. Net 14.95

## TAPESWITCH MATS—STRIPS CHIME ANNUNCIATOR KIT


(Fig. A) Tapeswitch Flexible Switch Mats. Less than 5 lbs, pressure activates these mats. Mithough rated and tested at 1 amp. 117 VAC for floor switching. 24 volts or less is recommended. Only $3_{i}{ }^{-2}$ thick $k_{i}$ water. resistant, durable covering. Snpg. wt.: 17 \% $23^{\prime \prime}$ mat, $14 / 2 \mathrm{ib} . \mathrm{i}^{6} 6 \times 23^{\prime \prime} \mathrm{mat}, 10 \mathrm{oz}$. 17 I $23^{\circ \prime}$ Mat with $6^{\circ}$ Cord

## 33 P 66010

Net ea. 15.62 6 I23" Stair

## Tr

 ead.33 P 66028
Net ea. 6.40 (Fis. B) Tapeswitch Ribbon Switches. These "Press at any point" switches can be activated with only 12 oz . of finger pressure. Normally open, momentary contact type with $4^{\prime}$ teads. Moisture.proof chrome yellow vinyl cover. Only \%" thick. Rated 1 amp., 117 VAC or 28 VDCC . Shpg. Wt.: $2^{\prime}$ length, 7 oz -; 5' length, 7 oz.
33 P 66036 2' $^{\prime}$ length .........Net ea. 4.6 है 33 P $660445^{\prime}$ length ........Net ea. B.54
(Fig. C) Cut To Length Switching Runner. $5-4 t$. long $x 30^{\circ}$ wide $x \mathrm{~K}_{4}$ " thich and can be cut to any length. 5 lbs. nominal foot pressure. Solder or twist connections easily made. Excellent extended area signalling for concealed indoor alarms and controls. switching elements on $2 \%{ }^{\circ \prime}$ centers are wired in parallel and encased in a polyethy. lene envelope. For indoor use only. Install under rug, rubber runner, mat or tite. Wt., $21 / 2$ los.
33 P 66077
16.78
 Guards Against Theft Signals entrance into office, store or shop by ringing chime. Includes conceatable mat $18 \times 24 \times 3$ " thick, 2 -note chime, transformer, wire and instructions. Shpg. wt., 4 lbs. 33 P 66051
.Net 27.95

## ONE WAY DOOR VIEWER



[^21]
# Specialty Swiss Watches 



## SPORTSMAN'S CALENDAR WATCH <br> with World Timer



An Underwater Watch That Indicates Elapsed Diving Time

## $12^{50}$

- Pressurized Water-Resistant Case
- Automatic Daily Calendar
- Parking Meter Timer
- Luminous Marker and Hands

Handsome waterpoof wistwatch especially designed for the fisherman, hunter, skin diver, etc. Hermetically sealed pressurized case provides maximum protection to 5 atmospheres. Moveable outer bezel determines time in 12 major cities around the world. Swiss crafted anti-magnetic movement features automatic daily calendar, unbreakable mainspring and sweep secnnd hand. Luminous hour markers and hands for high visibillty. Polished chrome case, stainless steel back, and comfortable waterproof strap. Imported. 13 P 31487 L Shpg. wt., 7 oz.



- Accurate Jeweled Movements
- Anti-Magnetic Hair Spring
- Unbreakable Main Spring


## (A) $1 / 10$ SECOND TIMER

Designed for close timing. Large hand registers $1 / 10$ of a second UD to 30 seconds; small hand reads minutes, up to 15 . Start. stop, and continue from crown; instant zero. 7 jewel movement. Chromium plated case. Shpg. wt., 6 oz. Imperted.

## 13 P 31032 L

Met 13.95
Same as 13 P 31032 (above) except I jewel.
13 P 31024 L Shpg. wt., 6 oz. Net 12.90

## (B) 1/5 SECOND TIMER <br> - Ideal for Sports

Second hand registers $1 / 5$ of a second and completes turn in 60 seconds. Small hand indicates up to 30 minutes. Side slide starts and stops hands. Fast resetting dependable 7 -jewel movement. Shpg. wt., 6 02. Imporied.
13P31040L
Net 13.95
Same as 13 P 31040 (above) except I jewel.
. Ne: 12.90

## [c] TRACK TIMER $1 / 10$ SECOND

13 P 31057

Excetient for athietics. The second hand indicates tenths of a second and seconds, and completes one turn in 10 seconds. The small hand registers up to 10 minutes. Start, stop, and reset by successive de. pression of the crown. 7 -jewel movement. Shpg. wi., 5 oz. imported. 13 P 31065 L

Net 17.95

## (D) DECIMAL TIMER

Ideal for industrial time-studies, Easy-to-read outer dial divided in 1/100 of a minute registering up to one minute. Inner dial graduated in minutes and registers up to 30 minutes. Push button, for timing out, brings both hands back to rero. Pressures on the crown will consecutlvely start, stop and again start the timer, Oependable 7. jewel movement. Swiss made. Shpg. wi., 6 oz.
13 P 31016 L
Net 14.95

## PEDOMETER

- Range 0.25 Miles
- Ideal for Hikers, etc.
- Clips to Belt


Fine quality pedometer accurately registers distance you have walked in quarter mile increments from 0 to 25 milies. Large easy to read dial. This precision instrument comes with elip for wearing on belt. Easily set, simple to use. A must for those who want to know their distance traveled. Shpg. wt., 602. 13 P31123L


## Selected Clocks and Weather Instruments

AMERICAN TRADITIONAL CORDLESS ELECTRIC PENDULUM CLOCK

## ${ }^{\text {ant }} 16^{95}$

Charming replica of an old favorite expertly reproduced in Time-wood and carefully accented in walnut tones. Mottled parchment dial is in striking parchment dial is in striking Numerals. The graceful motion of its swinging pendulum completes the authenticity of this agetess favorite. Runs up to one year on a single " $D$ ". cell. Size $14 \mathrm{~Hz} 9 \mathrm{Wx} 2^{\prime \prime} \mathrm{D}$. Shpg wt., 2 lbs.
13'p 30547W ......Net 16.95 Battery for above. 99 P6366i ........Net .2日

## "GRANDFATHER" CORDLESS ELECTRIC PENDULUM CLOCK

## only $29^{95}$

Warm wainut American styling for a charming blend of accuracy and handsome traditional design. Beautifully accented handsome spun gold and ivory dial with smoked antique Federal mirror complements the graceful motion of the golden swinging pendulum. Carved walnut raised trim is crowned with an eagle to complete this elegant timeplece. Runs up to one year on a single " $D$ " cell, Size: $25^{\prime \prime} \mathrm{Hxll}{ }^{\prime \prime} \mathrm{W}$. Shpg. wt., 41/4 los.
13 P30521W
........... Net 29.95
Battery for above.
99 P 63661
Net 28

## CONCORDIA CORDLESS ELECTRIC PENDULUM CLOCK

## Only <br> $26^{95}$

Nordic inspired battery operated pendulum clock adds distinction to any decor. Spun metal dial face and pendulum in gold finish are highlighted by the contrasting walnut finish case. Fluted channels in the molded concave case give added dimension and make dial and pendulum seem to float in space. Runs up to one year on a single "D" battery. yize $171 / 2 \times 81 / 2 \pi 3^{\circ} 0$. Wt. 4 ibs. 13 p 30588 w ….......Net 26.95 Battery for above.
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. Net 28

DECORATIVE HOME WEATHER STATIONS


Thermometer-Barometer-Humidity Meter
(A) HOME WEATHER STATIOM. Three accurate dial-type Instruments report barometric pressure, temperature and humidity. Finely eiched precision calibrated $212^{\prime \prime}$ spun metal dials for easy reading. Heavy metallzed finish has the warm glow of polished brass. Mounted on wainut grained panel in an ebony-grained and sold accented frame with a brass antiqued metal fintal $17^{\prime \prime} \times 7^{\prime \prime}$. For horizontal or vertical mounting. Shpg. wt. $21 / 2$ lbs.
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> INDOOR-OUTDOOR THERMOMETER AND HUMIDITY METER


- Richly Grained, Deep Luster Finish

Handsome wood-grained case mounts three precise instruments that accurately report the most important outdoor as well as indoor weather conditlons. Indoor and outdoor temperatures are read slde-by-side on attrac. tive gold-colored, easy-to-read metal scales. Mumidity can be secen at a glance on large dial below. Comes complete with $4^{\text {. }}$ of capillary tubing, $14^{\prime \prime}$ tall. Shpg. wt.. $13 / 4$ ths. 13 P 40033

Net 9.95

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Practical and accurate humidity meter and thermometer suitable for home, office, or factory use. Easy to read dual metal dials are encased in a leather case that stands or hangs. Size: $51 / 2 \times 31 / 2 \times$ $2^{\prime \prime} \mathrm{D}$. Shpg. wt., 1 lb .
13 P 40074

## Precision Weather Forecasting Instruments

## Taylor <br> WEATHER STATION WEATHERSCOPE

WINOSCOPE® WIND SPEED AND DIRECTION INDICATOR


- 60 ft . Lead in Wire

Tells wind speed or direction by 2 position knob. Self contained, no outside power source needed. Easy to install and maintain. Outdoor parts corrosion-sesistant. Attractive ma. hogany-finished indoor indicating, unit 6/2"x $5^{\mathrm{m}}$. Bowed with baltery, 60 feet of leadin wire and Instructions. Shpg. We, 9 lbs 13P74511w No Money Oown: -.. Net 99.95


Complete weather information center including wind speed and direction, barometric pressure and maximum-minimum outdoor temperature. Handsome 17" y $12^{\prime \prime}$ walnut panel with brass bezels ready for watt mounting. Includes wind speed and direction root unit with $60^{\circ}$ of lead.in wire for outdoor mounting. $20^{\circ}$ of capillary tubing for thermometer. With battery and instructions. Shpg. wt. 16 los.
13 P 74503W No Money Down ${ }^{\circ}$ Net 199.95

## WEATHER HAWK RECOROING THERMOMETER OR BAROMETER



## 7-0AY RECOROING THERMONETER

Records outdoor temperatures on 7 -day chart 110 voll, 60 cycte. Range minus $40^{\circ}$ to $+120^{\circ}$ F. Eight feet caplliary fubing. Black plastic base with clear cover. $13^{\prime \prime} \times 7^{\prime \prime}$. Bomed with 13 charts, ink and instructions. Shpg. wt., $81 / 2 \mathrm{lbs}$.
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## RAIN GAUGE

## - Keep Record of Total

 RainfallPrecision rain gauge designed to give accurate rainfall records. Unique "chisel" shape permits recording of minute quantities. Easily op. erated cumulative rainfall indicator. Scale graduated up to $5 \frac{1}{2}$ inches. Scale in blach numerals, with instruc. tions for mounting and use, to obtain weather-station accuracy to $1 / 10$ th of an inch. Overall tength $10 \neq \mathrm{M}$ ", width $21_{2}^{*}$. Shpg wt., 6 oz 13 P16017 ........Net 1.95


## MAXIMUM-MINIMUM THERMOMETER



## - READ: Present, High, Low Temp

For weather enthusiasts - Rardeners-farmers, etc. Gives three readings at a Rlancemaximum, minlmum and present temperalures. Seff-reristerine - mo unobs-magnets or push buttons needed for reset. Magnifving lens case for ease of reading. Malntains automatic chech on temperature variations. Makes you the local weather expert. Shpg. wt., 11 oz

## 13 P 16013

Net 6.50
REMOTE REAOING THEMMOMETER Same as boove but with remote "sensor" for com. fortable indoor reading of outdoor temperature. Includes mounting brachet and instruc. llons. Shpg. wt., 11 or.
13 P 16041

## $24^{45}$

WIND SPEED INDICATOR

- For All Sportsmen, Yacht Clubs, Gun Clubs, Fishing - Great for Pilots

Wind velocity registered by liquid filled qube Calibrated in both MPH and Beaufort Scale. No calculations, reads just like a thermometer. Vane-type external fittings must be mounted on outside elevated point. Attrac-

## INDOOR-OUTDOOR THERMOMETER

Shows inslde and outside temperature from the com. fort of your ronm. Insine location lideal for quick easy reading. Single scale for instant comparison. Modern plastic case B $242^{\prime \prime} \mathrm{L}$. $48^{\prime \prime}$ long copper capillary tube and bulb. larpe numerals for easy larpe numerals for eas
reading. Shpg. wt.. 7 oz. 13 P 16025

## POCKET THERMOMETER

- 

Ideal for the laboratory, factory, etc. Mercury type-tolal immersion. White scale with black numerals. Sub-divided by $2^{\circ}$ F. Polished nickel-plated case; lube length $51 / 2^{\prime \prime}$. Shpg. wt., 402.
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tive gray indicator features jet black calibra. tlons. Supplied with 50 ft . tubing to connect outer unit to gauge. Gauge Size: $73 / 25 \% \times \mathrm{l}^{\prime \prime}$.

## 13 P 62508 WL , 31/4 lbs.

 Net 24.95
## "SLIDE RULE" HUMIIICATOR

$3^{95}$

- Slide Rule Readings
- No Computing
- No Conversion

Fastest and easiest method of determining relative humidity. With the cursor (stide) set on the temperd. ture, the relating humidi. ty is read directly off the humidity graph. The "hus. midicator" ${ }^{\text {: }}$ graph is cali. midicator graph is call. brated in increments of
$2 \%$. Both thermometers are calibrated in Incre. ments of $2^{\circ}$ from $20^{\circ} \mathrm{F}$ to $120^{\circ} \mathrm{F}$. Background colors chosen for easy readibilly. Overall size, including cls. tern, is $13 \mathrm{y} \times 3 \mathrm{y}^{\prime \prime}$. Mounted on mahogany board with provisions for hanging. Imported. 99 P 90060 Shpg. wt., 1 lb. ....Net 3.95


- With Script Wheel \& Cloth Tape

Model 1006-02. Handy, lightweight label maker embosses both the" and $1 / 4$ " self-adhesive vinyt or cloth marking tape to make permanent waterproof ralsed labels. Ideal for home, school or office label-making jobs. Rugged Cycolac tool, only $71 / 2^{\prime \prime} \times 3^{*}$, has wide or narrow letter spacing, and a convenient tape cut-off lever. Comes with interchangeable block and script letter wheels PLUS $12^{\prime}$ magazine of $3^{\prime \prime}{ }^{\prime \prime}$ vinyl tape and $6^{\prime}$ magazine of ${ }^{3}{ }^{* \prime}$ cloth marking tape. Shpg. wt., 1 lb . 14P41492

## MARKVI $1 / 4^{\prime \prime}$ AND $3 / 8^{\prime \prime}$ LABEL MAKER KIT

- You Get: Tool, Horizontal Character Wheel and Vertical Character Wheel, Case, and 5-12' Magazines of Tape
- Convenient Tape Cut-Off Lever - Space Letters in Narrow or Wide Widths Model 1006-05. Makes raised-letter labels that are self-adhesive permanent and waterproof. Set dial to letter, number or symbol and squeeze the handle. When label is completed, squeeze trigger to snip off tape. Kit includes: embossing machine, $150^{\prime \prime}$ easy-to-read embossing wheel, $150^{\prime \prime}$ script embossing wheel, $125^{*}$ vertical embossing wheel, two magazines of $1 / \mathbf{y}^{*} \times 12^{\prime}$ vinyl embossing tape in black and avocado, one red magazine of $1 / 4^{\prime \prime} \approx 12^{\prime}$ vinyl embossing tape, one magazine of $3 / \mathbf{s}^{*} \times 6^{\circ}$ cloth marking tape and carrying case. Shpg. Wt., $13 / 4$ lbs. 14 P41617
.Net 7.50

- 2 Horizontal and 1 Vertical Letter Embossing Wheels
Model 1570-01. Deluxe labal making kit contains everything you need to organize your home, office, stockroom. Heavy duty, chrome plated "touch-action" tool embosses both $1 / 2^{\prime \prime}$ and $\%$ " vinyl or cloth marking tape. Kit includes carrying case, 2 horizontal and 1 vertical letter embossing wheels, $12^{\circ}$ magazine $3_{8 \prime \prime}$ vinyl tape, and $12^{\circ}$ roll $1 / 2^{\prime \prime}$ vinyt tape. Shpg. wt., $13 / 4$ lbs
14 P 41609
Net 22.95


## DYMO 12'VINYLEMBOSSING TAPES Shpg.wt., 40 oz

$1 / 4$ INCH $3 / 8$ INCH
$1 / 2$ iNCH

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| 14 P41021 Blue | 14P41518 Wal. | 14 P 41120 Black | 14 P 41161 Green |
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# fridgette COMPACT REFRIGERATORS 5.5 CU. FT. REFRIGERATOR 



MOOEL EAR-5F small re. frigerator for apartment. home, or office. Walnut grain laminate plastic top and front, coppertone sides and chrome trim. Deluxe features: 2 removable, ad. justable chrome shelves, 1 heavy duty chrome trimmed glass shelf, full sized across-the-top freezer, adjustable thermostat. large tinted crisper, in-door storage racks, magnetic door cateh. Hermetically sealed compressor unit. Interlor IIght. Imported. For 110 V AC, $60 \mathrm{~Hz} .34 \mathrm{Hx} 20 \mathrm{Wx} 23^{\circ} \mathrm{D}$. Shpg, wt.. 115 lbs. 13 P $32790 \times 2$..Net 127.50 Similar to above, laminated top only, standard interior, white finish. Wt., 115 lbs. No Money Down ${ }^{\text {. }}$
13 P $32808 \times 2$..Net 115.00


No Money Down*

Compact refrigerator holds 2.2 cu . ft. (including freez. er). Ideal for small apart. ments, campers, or boats. Freezer accommodates 2 ice cube trays. Features in-door storage rack and egg holder: 2 deep, removable adjustable shelves: hermetically sealed compressor unit; and 7-posifion thermostat and magnetic door catch. White finish. Operates on 110 VAC, 60 Hz . Imported, Size: $18 \mathrm{H} \times 19 \mathrm{k} 2 \mathrm{~W}$ $x 18^{\circ} \mathrm{D}$. Snpg. wt., 65 lbs. 13 p $32766 \times 2$..Net 84.00 Similar to above in copper. tone finish
13 P $32774 \times 2$.. Net 84.00 $14^{*}$ walnut legs for both of above (4). Shpg. wt., 2 lbs. 13 P 327822 ...Net 5.75
2.2 and 5.5 Cu . Ft. Models \$hipped FOB Newart, N.J. No C.O.D. Send Full Remittance Or Use LAFAYETTE'S EASY PAY PLAN'. Shlpping Charges Collected On Delivery.

# LaFAYETTE ENGINE DIVIDED SLIDE RULES 

## 131/4" VECTORLOG: SLIDE RULE

## 131/4" VECTORLOG ${ }^{*}$ SLIDE RULE

## For Communications Engineers and Physicists

- Laminated Bamboo Construction
- P, P' and Q Scales
- For Direct Vector Addition
- Hyperbolic Sine and Tangent Scales. Two Sine Scales-One Marked in Degrees. One Marked in Radians
- 5 Log Log Scales Plus a Voltage DB Scale
- Complete with Belt Carrying Loop and Leather Case
- With 10 " Scale

The Lafayelte VECTORLOG Slide Rule provides a new concept in scientific calculation, incorporating scales and arrangement designed for quick-easy-manipulation. Twenty-seven (27) scales incorporate the many problems encountered in Electrical Engineering and Phys. ics. The unique P. P , and $Q$ scales allow direct right angle vector addition. No longer are several settings required to obtain right angle vector sums-these scales work in the same manner as the C and $D$ for multiplication. The two Hyperbolic Sine and one Hyperbolic Tangent Scale. the voltage db scale, and the five Log Log scales. provide maximum coverage of these dynamic fields. VECTORLOG is the resulf of extensive tests for ease of manipulation. Several of these features are: $C$ and 0 scales on both the front and back of the rule; Sine scates in both degrees and radians, removing the neces. sity of bothersome conversion of units: a problem-fested location of scales; and adjustable screws to allow varlable tension on the slide. Scales include: (FRONT) Tr-1, TR-2, Pi P, Q, \$T \$.1, \$-0, C. D. LLOI, LL02. LLO3. LLI' (REAR) Sh.1, Sh-2, bF, A, B, CI, CF, Th, C. D, LL3, LL2. db. With instruction book, leather carrying case, and belt carry ing loop. imported. Shpe. wt.. $11 / 4$ los.
99 P 71029 Illustrated
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## USING THE SLIDE RULE IN ELECTRONIC TECHNOLOGY by Charles Alvarez

Written for electronic students, boih beginners and advanced. It can also serve as auxiliary lext in math theory. All scales ate discussed separately with detalled examples. graded in difficulty to develop speed and accuracy in use of the slide rule. $120 \mathrm{pp} .51 / 2$ aracy inaperback. Shpg. we., 802. 10 P 11626

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1/4"OR 3/8" LABELMAKERS

- Handy Tape Cut-Off

Home labelmaker embosses ralsed characters on vinyl tape. Just dial the letters, numbers, or symbols and squeeze the handle. Mas pulf tab cut-off and rugged plastic body. Sizes $64 / 2 \mathrm{~L} \times 6^{\prime \prime} \mathrm{H}$. Choice of model with $1 / 4^{\prime \prime}$ or $34^{\prime \prime}$ wheel, wt., $3 / 4$ los. 14 P 41534 ty" Model Net 2.75 14 P 41013 1/4" Model Net 2.75

## 133/4" DELUXE LOG LOG DUPLI DECIMAL TRIGONOMETRIC SLIDE RULE

- With $11^{\prime \prime}$ Scale • 25 Scales with 8 Log Log Scales
- Extended Range Avoids "Going Off Scale"
- Extra P Scale Simplifies Computations
- Two Color Scales

A log log dupli decimal trigonometric sllde rule contains 25 scales including 8 Log Log Scales. Troublesome end-for-end resetting is eliminated by extensions of C and D scales. Twin set of Log Log scales run from 1.001 to 100,000 and .999 to .00001 , enlarging the scale by one scale length each compared with ordinary $\log$ slide rules. Extra features include $P$ scale which enables direct "readout" of cosine value. Scales include LLO1, LLO2, LL03, OF, CF, CIF CI, C, LL3, LL2, LL1, LLOO. L, K, A, B, S. ST, T, C, D, DI, P, and LLO. With instruction books, saddle leather case. Imported. Shpg. wi., $11 / 2 \mathrm{lbs}$. 99 P 70559 Not lllustrated.

## DECIMALOG ${ }^{\text {TM }} 6^{1} 12^{\prime \prime}$ LOG LOG DUPLI DECIMAL TRIGONOMETRIC SLIDE RULE

- P Scale (Pythagorean) permits direct "readout" of Cosine Values
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## 5" POCKET <br> SLIDE RULE

- Extremely Accurate
- Has Standard S, L and T Scales

Convenient pocket sized stide rule of specially selected and treated bamboo. Will not warp, shrink or lengthen under varying atmospheric condilions. A, ©, CI, C, 0 and $K$ scales engraved on white plastic surlace, Reverse side of slide has standard S, L, and T scales. The upper beveled edge of the rule is graduated in mm to 13 cm . Other edge is divided into 5 inches by 32 nds . Only $51 / \mathrm{s}$ long over all. Carrled easily in any pocket. Wt., 6 oz . Imported.
99 P 70302


## 4" CIRCULAR SLIDE RULE $3^{95}$



A versatile calculating instrument specially constructed with special chemical resistant, $1 / 4$ thick. plastic, it wilt not shrink or expand under varying climatic conditions. 12 scales to solve problems involving multiplication, division, proportions, squares, cubes, and all trigonometric functions. Special scales allow direct conversions of angles from radians to degrees. Ideal for quick calculations. With leatherette case.
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TECHNICAL DRAFTING SET

- Center Wheel Adjustment
- Professional Quality
- Made in W/Germany of Nickel Plated Brass
Contains 64/9" self-centering compass, one leg knuckle jotht with divider, pencit, pen parts and tengthening bar; 61 /e self-centering divider; spring bow divider 41/"", center wheel adjusiment with interchangeable needle points; spring bow pencll and spring bow pen, both $4 \mathrm{H}^{\prime \prime}$ " with center wheel adjustment and interchangeable needle point; two $5 \%{ }^{2}$ " ruling pens; extra handle for pen and pencil parts; adjustment tool; lead case and leads; and spare parts ktt, all in litted lined case. Shpg. wi., $11 / 2 \mathrm{lDS}$.
99 P 70039
11.95


## draftette PORTABLE DRAFTING MACHINE



## - Precision Instrument

Model 9.B-sketch, draft, design, draw diagrams and schematics like a professional. A new DRAFTETTE which gives you all the advantages of a T-square, triangle and protractor in a compact. easy to operate portable drafting machine. Constructed of ano. dized aluminum, features tubular arms, $360^{\circ}$ protractor, one.piece $6^{\prime \prime} x 9^{\prime \prime}$ scale calibrated in 16 th $5-4 / 4 / 4$. Mounted on $16^{\circ \prime} \times 21^{\prime \prime}$ draw. ing board, completely assembled ready to use. Shpg. wt. $51 / 2 \mathrm{lbs}$. 15 P 74011

Net 16.95
draftette SKETCH KIT


Model $=68$ portable drafting drawing machine permanently mounted In a Vinyl binder (self-locking). Can be used for sketching, designing, drawing, and drafting. Great for traveling. Contains a precision portable drafting instrument with a $4 \times 6^{\circ}$ scale, $360^{\circ}$ protracior, pad of 50 sheets. drawing-tracing paper $81 / 夕^{\circ} \times 11^{\prime \prime}$. pencll, all in one compact binder. Does not require tape or tacks 10 hold paper in place for use. Binder 94/2x13x 1.. Shpg. wt., 2 1/3

15 P 74029
Net 9.95


UTILITY DRAFTING SET

- Side Wheel Adjustment
- Made in W/Germany of Nickel Plated Brass
- Professional Quality

Made in Germany of hard rolled, nickel plated brass. All instruments are nested in a litied. tined case. Contains three side wheel $33 / \mathrm{c}^{2 /}$ bow instruments - one a divider, one a pencil and one a pen. All have reversible needle point. $5 \sqrt[1]{4 \prime \prime}$ compass with pen and pencli parts-and lengthening bar. $54 / 4^{\prime \prime}$ divider with straightening device. $5^{\text {c }}$ ruling pen. Extra handle for use with pen and pencli parts. Capsule with extra leads. Perfect for school. labs. industrials. Shor wi.. 1 ib.
15 P 21046 ...............................et 7.50

## HARD MAPLE PANTOGRAPH

For Enlarging, Reducing, Reproducing

An attractively designed drawing set. Consists of 14 drawing aids: $13^{\prime \prime}$ ₹ $19^{\prime \prime}$ bass. wood Drawing Board. I square, Protractor, French curve, $30 / 60^{\circ}$ and $45,90^{\circ}$ triangles, Architect's scale, slide rule, bow compass, $12^{*}$ ruler, erasing shield, lettering guide, architect's scalemaster, eraser and lead holder. Shpg. wt., 3x:4 lbs.
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Made of transparent plastic. Use with either sharp pencil or ink. Each has complete alphabet, ' numbers and commonly used signs. Set consists of six guides. Sizes $1 / 8, \mathrm{~K} 4,1 / 4$, H. $7 / 8$, and $1 / 2^{n}$. Shpg. wt.. 1 lb .
15 P 14322 Complete Set .........Net 4.95

## RUBBER TYPE SET



An easy to use printing hit that comes com. plete with 14 -point ( $1 / \mathrm{s}^{\prime \prime}$ ) rubber type, 22 nu merals, over 100 capital letters, punctuation marks, Ink pad and tweezers. Print anything from one to four lines long. Special "base. loch" type for perfect alignment. Neat, clean. and clear results. Many printing uses in the home or business. Instructions included. Shpg. wt., 7/4 lb.
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- Can Be Carried or Stored

A folding portfollo conveniently carried or siored. Includes a 12 -lnch T-square, a $180^{\circ}$ protractor, a 6 -inch French curve. a 4 -inch $45 / 90^{\circ}$ and a 4 -inch $30 / 60^{\circ}$, a 50 -sheet drawing pad and drawing pencil. Plastic portfolio is $9 \times 131 / 2 \times 142^{\prime \prime}$. Tools housed in separate pockels. Shipg. wt. 2 lbs. 15 P 14330

ELECTRONIC TEMPLATE. Exceptionally accurate! Made to I.I.C. standards. All elements of electronic and CR tubes are provided for -plus tube bases for 7,8 and 9 prong tubes. Includes transistors, diodes, rectifiers, plugs, etc. Covers all symbols. Size: $7 \times 5{ }^{\prime \prime}$. Thick. etc. Covers all symbols. Siz
ness: $.030^{\prime \prime}$. Shpg. wt., 4 ols.
15 P 43016

# Drafting \& Drawing Supplies 

## AUTOMATIC ELECTRIC PENCIL SHARPENER

LAFAYETTE "Delineator"

## $12^{95}$

- Automatic Stopper When Pencil Is Sharpened
- Heavy Duty Electric Motor


Model 660 - Ideal for student, artist, draftsman, business firms gives a needie point instantly. Switch automatically stops motor when pencil is sharpened. Easy cleaning with convenient push out recep. tacle drawer. Safe for even a child to use. Sturdy with heavy duty 115 volt AC motor. UL Listed. Imported.
15 P 17051 Shpg. wt., 4y/ lbs.
Net 12.95

## INSTANT LETTERING KITS

Sharply defined $1 / 8^{-}$high, Gothic typeface. letters, numerals, and most often used electronic terms. Transfer easily and cleaniy onto any smooth, dry surface-paper, metal, plastic, wood, or glass. Not a decal, goes on insiantly without water or tapes. Leaves no back ground haze or film. Looks like it was printed on! Mundreds of characters on $3 \times 5^{\text {- }}$ sheets in each set. Shoe. wt., 4 or.

| 5toch No. | $\begin{gathered} \text { Mrgr. } \\ \text { No. } \end{gathered}$ | No. of Sheets | Wit Includes | Color | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 32 P 75047 | 9581 | 24 | Lefters, worots | Black | 5.95 |
|  |  |  | Numerats |  |  |
| 32 P 75054 | 9591 | 24 | Letters, Words Numerals | White | 5.95 |
| 32 P 750 ER | 9601 | 12 | Aphabets Only | Black | 3.00 |
| 32 P 75096 | 9611 | 12 | Alphabets Only | White | 3.00 |
| 12 P 75104 | 9621 | 12 | Numerals Only | Black | 3.00 |
| 12 P 75112 | 9631 | 12 | Numerals Only | White | 3.00 |

## METER AND OLAL MARKING KIT

Contains $125^{* *} \times 7^{*}$ sheets- 4 different sheets in 3 colors, black, white and red. Sheets have switch patterns, arcs, graduation lines, letters and numerals etc. for marking rotary and standard switches and dials. etc.
32 P 75013 per package ................................................Net 5.95
oatakoat protective coatings. Maximum protection for instant
lettering. 7 Oz.
32 P 75062 Proctive Coating Kit
32
32 p 75070 Protective Coating Kit (16 oz. spray can) Net 2.95

- Copies any illus. tration at 1:1 Ratio Up to $1^{\prime \prime} \times 7^{\prime \prime}$ in Size.
- Easy to use-All metal frame-


The Lafayette "Oelineator" R will easily copy any illustration up to $7{ }^{\circ \prime} \times 10^{\prime \prime}$ and reproduce it in full size. The "0elineator" projects a full color image of any subject placed on its easel, on the drawing paper placed below it. You then "trace" the projected image in full scale. Ease of use makes it possible for anyone to reproduce schematics, diagrams, photos, cartoons, drawings, etc. Useful for students, artists, cartoonists, and technicians. Just add pencil and paper for a truly professional sketch kit. Imported. Shpg. wt., $21 / 2 \mathrm{Ibs}$. 99 P 70476

Net 7.95

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TACIR
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TACROGRAPH SETS

## AS LOW AS <br> $6^{95}$



Orawing pen for all lettering and drawing work. Uses both India and drawing inks. Precision point for constant flow lines. Stim, easy to hold pen comes with 3 color coded nibs. Fine (Size 0, Grey nib), Light Medium (Size 1, Yellow nib), Very Broad (Size 3, Blue nib). Imported. Shpg-wt., 4 oz.

## 15 P 80026

Net 6.95
Delure Tacrograph set-Simitar to above with 7 precision-crafted points, Case. Nibs: White - 00 very fine; grey-0-fine; yellow-1light med.; beige-2 heavy med.; green-21/2-broad; blue-3-3 very broad; red-4-extra broad. Imported. Shpg. wt., 8 oz.
15 P 80034
Net 13.95

# Decorative 2 Drawer Desk 

## IDEAL FOR STUDYING AND HOME OFFICE

- Permaneer Finish Resists Heat, Stains, and Scratches
- Easy to Clean

[^22]

brother
ECHELON 89
ALL STEEL COMPACT PORTABLE TYPEWRITER

Charger 11. Rugged, lightweight portable typewriter, ideal for slu. dents and home use. All steel construction ensures years of solid performance and dependablity. Compact design features a full size 84 character keyboard. Additional features include: jam release key. $?$ color ribbon, stencil position, half-space ratchet, line drawing aperture, measuring scate and card holder, Comes with console type case Cover. Pica type. Size: $144 / 2 \times 15 \times 542^{\prime \prime}$. Imported. Wi., $111 / 2 \mathrm{lbs}$.

15P17119W
Net 39.95


Echeton 89, Space-age engineering comes to popular priced type. writers. automatic spacing at the touch of a button without efectricity. Other features include full 88 character keyboard, Jam release key, touch adjustment, half space ratchet, key-set tabulator, variable line spacer, measuring scale and card hoider, 2 color ribbon and stencil selector and line drawing aperture. Comes with attractive luggage type carrying case with lock and key. Piea type. Size: $16 \times 18 \times 8$ ". Imported. Shpg, wt., $164 / 2 \mathrm{lbs}$.
15 P 17143w
Net 66.95


因因SMITH-CORONA CORONA 70 ELECTRIC PORTABLE TYPEWRITEH

- Precision Electric Keyboard
- Key Set Tabulator

Student.priced-styled for the $70^{\circ}$ s. Precision portable electric type. writer with big machine features. Has push-variable platen, repeating space bar, electric segment shift, removable easy-to-clean platen. hey set tabulator (more than 80 stops) and quich-set visible margins. Also features a forward glide deck and high performance motor. All steel construction, Genuline Naughahyde carrying case. Smartiy styled in Aztec blue, Plea type only. For $110-120 \mathrm{~V}$ AC. U.L. listed. Wt., 221/4 tbs 15 P 40178 W

Net 129.95


## Elaw

## SMITH-CORONA

 CORONET AUTOMATIC 12 ELECTRIC PORTABLE- Big 12" Carriage
- Fully Powered Carriage-Tabulation-Keys

The Coronet Automatic 12 meets the most practing needs of office, home or school-yet travels with filte-lite ease. Full sized keyboard. fulf length tabulator key sets, clears. Repeat action for dashes, dots, $X$ 's, underlines. Repeat spacing; copy-sel dial: 3-position ribson sefectors. $12^{\prime \prime}$ carriage automatically returns and advances to next line. Copy set dial-makes up to 10 carbons. Aztec blue body w/Seamitst heyboard. Pica type. All steel construction. Carrying case incl. 110 120 V 60 Hz . AC. Shpg. wt., $29 \mathrm{l} / 2$ lbs.
15 P 40194
Net 189.95

## ELECTRONIC 8-DIGIT CALCULATOR with "CONSTANT" FUNCTION plus FIXED and FLOA TING DECIMAL

\author{

- Adds, Subtracts, Multiplies, Divides
}
- Performs Mixed Calculations
- Single-Chip Algebraic Logic

No Money Down ${ }^{\text {B }}$
Compact, solid-state electronic digital calculator with 8 -diglt input and display. Perfect for home or office! Valuable features include "Constant" function for multiplying or dividing a serles of figures by a preselected locked-in numberfor calculating interest, etc. Decimal placement switch for Fired or Floating decimal. Floating decimal accurately carries computations out to completion. Selectable Fired position decimal automatically rounds off totals to 2, 3, 4 or 5 places, Dverflow Indicator and Minus Indicator for easy checkbook balancing. Clear-Entry button corrects errors wlthout disturbing previous entries, Black plastic cabinet with detachable AC line cord, and On/Off switch, Size; $57 / \mathrm{hW} \times$ $31 / 2 \mathrm{H} x 91 / 4^{\circ} 0$. For 117 VAC. 60 Hz . Shpg. wi., $31 / 2 \mathrm{lbs}$.
15 P 54005 L
Net 99.95


## Unitrex ELECTRONIC 12-DIGIT CALCULATOR with MEMORY and CONSTANT

- Memory Stores Any Number at the Touch of a Button - Add, Subtract, Multiply, Divide-In Less than a Second

Model $\mathbf{1 2 0 0 M}$. Versatile solid-state 12 -digit electronic calculator with deluxe "Memory" system that stores any number for future reference, calculation. etc. Separate Memory Recall. Clear. Plus, and Minus buttons permit instant recalling, adding to, subtracting from, changing, ciearing, and re-storing your "memorized" figure. "Constant" feature lets you quickly multiply or divide a series of figures by one preselected locked in number. Also periorms com. plex chain and mixed calculations. Selectable-position fixed decimal automatically rounds.oft answers to $0,1,2,3,4$ or 5 places, suppressing unnecessary zeros. Green "Minus" light automaticatly indicates negative results. Automatic Overflow indicator shows when calculatlons exceed 12 .digits. Con. tinuous sub-total. Twottone grey cabinet with detachable AC line cord and On, Off switch. Size: $71 / 2 \mathrm{~W} \times 21 / 2 \mathrm{H} \times 942^{\prime \prime} 0$. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$.
15 P 10502 L Shpg. wt., 5 Ibs.
....Net 149.95
Model 1200. 12-digit calculator simblar to above, less "Memory" and "Con. stant" With sefectable fixed decimat at 2, 3, or 4 places. Shpg. wt.. 5 lbs.
is P 10510 L No Money Down*...................................................... 99.95

## ERE <br> sMIth-corana "FIGUREMATIC" PORTABLE ELECTRIC ADDING MACHINE <br> - Totals 8 columns to \$999,999.99 $74^{95}$

 A fast-figuring electric portable that adds. subtracts and multiplies. Full-featured construction with 10 keys. Add-Subtotal, Subtract-rotal, and Repeat. "Clear" and digital indicator are combined. Lisis 7 columns of tigures. New, easy-load ribbon cartridge gives thousands of extra prints. Easy to carry-the cord tucks in, stylish dust cover snaps on, bulit-in retractable carrying handle comes out. and away it goes. ideal for everyone who figures-at work, home, in-between. Overall $7 \times 9 \times 13^{\prime \prime}$. For 110.115 volts, $60 \mathrm{~Hz}, \mathrm{AC}$. Shpg. wt., 10 lbs. 15 P 40079w

Net 74.95
Adding tape for above $21 / 2^{\prime \prime}$ wide.
15 P 40061 Shpg. wt., 10 oz .
Net ea.


## COPYMATE III DRY COPIER

- No Messy Liquids, Powders, Sprays or Inks - Copy Letters, Photographs, Pages Bound in Books
Easy to use and economical dry copler tor home and office. Anyone can make permanent black-on white copies of documents, recipes, efc. in less than 30 seconds, regardless of color or thlckness up to size $81 / 2 x$ $11^{*}$. No messy chemicals, inks, powders or sprays; uses two ordinary 150 watt frosted bulbs and "Copymate" paper, Freatures a built-in automatic timer that determines proper exposure and also indicates when coples are ready. Compact, handsome iwo-tone grained finish case with carrying handle has a convenient bullt-in paper storage compartment. Easy front panet controls and pitot tight. For $110-120$ VAC, 60 Hz . UL iisted. Size: $221 / 4 \times 171 / 2 \times 61 / \mathrm{c}^{\prime \prime}$. Shpg. wt., 9 lbs. 15 P 46043W No Money Down*


## "Conymate" Paper. 33 sheets per pkg. Shpg. wi., 11,2 bs.

 15 P46027
Nel 9.95


POWER ZOOM MOVIE OUTFIT with DUAL 8 ZOOM PROJECTOR


## CAMERA FEATURES

- 3-1 Power Zoom \& Reflex Viewing
- Thru-the-Lens CaS Electric Eye
- Drop-in Film Cartridge Loading

Outlit includes everything you need for movie making and showing fun. Deluze super 8 power zoom reflen camera features thru-the-iens CdS automatic exposure control, fast $1 / 1.8 \quad 3$-to- 1 manual or power zoom, Insufficient light indicator, electric film drive, bulit-in type A fllter, focusing eyepiece, and drop-in loading. Fully automatic 500 watt brilliance dual 8 projector has $\$ / 1.5 \mathrm{zoom}$ lens, automatic reel-to-reel thru gate threading, single hnob control for forward, reverse, still, fast formard and automatic papid rewind. 400 foot capacity
YASHICA
SUPER 600E ELECTRO
6-1 POWER


Super $600 E$ Electronic reflex camera with fast $\$ / 1.8$ lens zooms from 8 to 48 mm . Automatic CdS through-the.lens exposure system and micro-split focusing. Super 8 drop-tn cartridge loading, no threading. Shoot 50 ft . without rewinding. Other features include film type indicator window, paralla free reflex viewing, shutter trigger with continuous run button, spotlight and backlight lighting control. automatic film ASA speed selector, insufficient light indicator, remote control, single frame, adjustable eyepiece, and cable release sockets, 85 A filter, baftery checker, footage counter, and movie light slot. ASA Speeds: $25-400$. Fifm Speeds: 12. 18, 24 fps. Imported. Wt., $41 / 2 \mathrm{lbs}$ 15 P 367701 99 P 63703 Batteries for above. (4 req.)...................... ea. I8
projector includes self-contained case, film trimmer and room light outlet. Ouffit also includes camera case, roll of GAF color movie film with processing, 650 watt sealed beam movie light, batteries, and "Guide To Better Home Movies" book. Shpg. wt., 20 lbs .
15 P 78228W No Money Down
15 P 78236 L Camera Only. Shpg. wi., 2v/ los. .... Net 79.95 is P 78244 W Projector Only. Shps. wi.. 11 lbs. ....Net 84.00

## argus/cosina POWER 200M SUPER 8 MOVIE CAMERAS


treme, an exposure warning signal appears in the viewfinder. The metering system has a manual override for use in unusual situations, and is powered by a mercury battery, Included. The metering system can handle film speeds (ASA) of between 25 and 160 . Eyepiece has adjustable diopter control. Three filming speeds-12, 18, and 24 frames per second, plus simgle frame advance. Loch-run switch. Built. in battery fester. Automatic film footage counter. Bullt-in type A fitter. Foldaway pistol grip. Shpg. wt., $21 / 4 \mathrm{lbs}$.
15 P 345771 No Money Down*
Net 114.95
 Model 708. Similar to above, except $1 / 1.78$-1 power 100 m lens, and microprism rangefinder focusing. Shpg. wt., $21 / 2$ los.
15 P 345851 No Money Down*
Net 174.95 99 P 63703 Batteries for above (4 req.) ...............Net ea. . 18

# Deluxe Dual 8 MM Movie Projectors \& Editors 

## DeIID DUAL 8 mm Zoom PROJECTOR FOR BOTH SUPER AND STANDARD 8



DUAL 8 mm PROJECTOR FOR BOTH SUPER

## AND STANDARD 8

## $59^{95}$

- Instant Switch from Standard to Super 8 MM Film
- Automatic

Reel-to-Reel Threading

Model 2388. Standard/super 8 mm projector combines 500 -watt brilliance and a fast $1 / 1.6$ color-corrected, coated lens for vivid screen viewing. Automatic threading design features Adjusto Matic control for proper feed onto lake-up reel. Accepts reels 10400 tt . capacity. Quiet, cool operation. Automatic rewind, franung control. elevation adjustment, focus conirol, film trimmer and automatic ten. sioning. Handsome, self-contalned carrying case with handle. Sup plied with 400 ft . empty film reel. For $117 \mathrm{VAC}, 60 \mathrm{~Hz}$. Shpg. wh.. 10 lbs
15 P 78269 W No Money Down.
Net 59.95
DeuUR
DELUXE DUAL 8 mm Zoom PROJECTOR For Both Super And Standard 8

- A Movie Projector That Thinks It's A Slide Projector
- Forward And Reverse
- Slow Motion Plus Variable Speed


## $109^{95}$

Eldorado 888A2 movie projector with the advanced features of vari. able speed control, true slow motion and forward or reverse projection. $100 \%$ Illumination for extended "still" projection and cool, quiet operation. With sturdy diecast aluminum case, 400 ft , reel capacity, built-in automatic room light receptacle. automatic reel-to. reel threading, fast rewind, built-in film trimmer lifetime lubrication and a self enclosed rarrying case with handle. Sharp $\mathbf{/ / 1 . 5} \mathbf{2 0 0 m}$ lens for excellent sharpness. For 117 VaC, 60 Hz . Shpg. wt., 13 lbs.
15 P 52140 W No Money Down• ....................................Net 109.95

Shpg. wh. 5 lbs.
15 - 71609 No Money Down ${ }^{*}$
Net 39.95


DUAL 8 mm EDITOR


- For Both Standard and Super 8
- $31 / 4 \times 21 / 4$ Viewing Screen

Compact Dual 8 Reviewer tor both Regular and Super 8 mm film. With Dual Track Dual 8 system and Dual Uniflex splicer, splicing lape, plus big 7 sq . in. picture ared, builtin focusing and framing controls, frame marker and lamp switch. Has film protecting heat filter, geared $400^{\circ}$ capacity rewinds. UL listed.
15 P 62008 Shpg. wt.. 3 th lbs
Net 16.75

## ATLAS•WARNER DUAL 8 mm

 EDITOR

For Both Standard

- Over 17 Sq. In. Viewing Screen and Super B - Die-cast Metal Construction

17 sq. in viewing area. Film notches in exact frame that is being viewed. Takes reels up to 400 It Smooth and rapid geared rewind. Adjustment knobs for locusing and framing. Foldaway arms. Includes splicer and splicing tape. Size: $91 / 2 \times 7 \times 612^{\circ}$. Ut insted.
15 P 84093 Shpg. wt., $8 \not / 4 \mathrm{lbs}$.
Net 26.95


Designed to provide the creative flexibility demanded by professional photographers yot have the operational simplicity needed by the novice. Fully automatic or manual Miranda Sensorex EE offers a host of refined useful features including a built-in CdS exposure circuit which automatically selects the correct lens opening for either average or spot lighting conditions. Sharp $50 \mathrm{~mm} / / 1.8,4$ group 6 element lens delivers superb resolving power. Features include an interchangeable pentaprism viewfinder, universal bayonet lens mount, varibale delay self-timer, depth-of-fieid preview, focusing down to $\mathbf{1 7}^{\prime \prime}$, and FP $+X$ synchronized hot shoe. Focal Plane shutter speeds: $\mathrm{B}, 1 \cdot 1 / 1,000 \mathrm{sec}$, EE coupling range: EV3.18, ASA 25-1600. Imported. Shpr. wt., 4 lbs. 15 P 37588 L No Money Down*
.Net 299.95

## Minolfa SR-T 101 35MM SLR



A quality SLR featuring Minotta's "contrast light compensator" thru-the-lens CdS metering system. Exposure "match-needles" in viewfinder respond to change in aperture and/or shutter speeds. Exposure readings not affected by light entering viewfinder. Shutter speed scate visible in viewfinder. Readings are taken with lens wide open. ASA range is 6.6400 . Features an instant return mirror; a focal plane shutter with speeds from 1-1/1000th plus B; FP\&X synch.; auto-reset frame counter; seff-timer, mirror loch, depth of field pre. view, and built-in accessory shoe. Includes a $55 \mathrm{~mm} / / 1.7$ lens, case and strap. Imported. Shps. wt., 41/4 Ibs.
15 P 34551 L No Money Down*
Net 259.00

## Kowa surt $=35 \mathrm{MM}$ SLR



Fully coupled, behind-the-lens, CaS exposure meter system measures Hllumination at full aperature. Match needies visible in viewfinder. ASA range $10 \cdot 800$. Finder uses a microprism dot at the center for more accurate focusing and a fresnel screen for bright, edge-to-edge viewing. Fast f:1.9. 50 mm lens features bayonet mounting and fully automatic diaphragm. Camera accepts full range of kowa lenses. Features easy-loading. leaf shutter, $1-1 / 500$ th plus $B$, rapld film advance, auto-reset film counter, self-timer, M or X sync. Imported. 15 P 63055 L Shpg. wt., 3 lbs. No Money Down ${ }^{\circ}$..... Net 119.95


Fully automated SLR camera features full aperture readings, plus a unique zone metering system that wifl even handie backlit subjects. Eye-levet pentaprism with micro-split image rangefinder and hot shoe is interchangeable for tremendous versatility. Matched-needle CdS meter is fully coupled and has an ASA range of $25-1600$ (EV 3.18). Equipped with fully-automatic $50 \mathrm{~mm} 1 / 1.8$ coated lens, Unique dual lens mount permits use of Jenses with either 4 -claw bayonet or 44 mm screw mount. The focal plane shutter has speeds of B, 1 . $1 / 1000$ th sec., and has FP and $X$ synchronization. Other features include variable delay self-timer, instant return mirror, rapid film advance lever, film counter, fast load take-up spoot. and depth of field preview button. Shpg. wi., 4 tbs.
15 P 37596 L . No Money Down*
Net 249.95

"Sensomat" is a truly versatile 35 mm SLR featuring a thru-the-lens CdS metering system with a narrow angle of acceptance for easier, more perfect picture taking, Match needle in the viewfinder can be centered for proper exposure by rotating the diaphragm and/or the shutter speed dial. ASA range: 25-1600. Other features linclude rapid loading spool, fully Interchangeable finder and lens systems, shutter speeds of $1 \cdot 1 / 1000$ th plus $B \& X$ synch., automatic reset film counter with a magnifying lens, and a from and top shutter release for greater convenience. Focus from 17". Camera Includes 50 mm f/1.8 auto lens, case and strap. Imported. Shpg. wt., 4 lbs .
15 P $37471 L$ No Money Down*
.Net 169,95

## DELUXE Lenticular SCREENS

## - Automatic

Lever-Type Handie Permits Smooth Easy Adjustment

Specially-designed, optically-correct lenticular screen is free of glare, sheen and hot spots. Amazing sharpness and color rendition. Durable vinyl fabric resists fire and funqus. Sturdy. secure tripod legs. Screen is $40 \times 40^{\prime \prime}$. Shpg. wt. 10 lbs.
15850052 w
Same as above. Extra iar. Net 12.95 Super Screen-Ideal for New Super Movies. Shor. wt., $121 / 4 \mathrm{lbs}$.
15 P $50219 W$


MODEL ELECTRO-35GS. Advanced 35 mm rangefinder camera with the "electronic brain". Sensitive solid-state circuit reads the existing lighting conditions and automatically sets the proper shutter speed at a preselected aperture. Continuously variable rance of shulter speeds from 30 sec . to $1 / 500 \mathrm{sec}$. For maximum reliability when shooling flash. contacts are finished in gold providing very low resistance and long life. Also features coupled range/viewfinder focusing with automatic parallax correction, built-in self timer, shutter release lock, accessory shoe for flash or other accessories, battery checher. ASA: 12.500 , $x$ sync. Sharp $\mathbf{T} / 1.7,45 \mathrm{~mm}$ color corrected lens. Imported. Shpg. wt., 3 lbs.
15P36754L No Money Down. $\qquad$
$\qquad$ Net 99.95

# MIRANDA SENSORET 35MM COMPACT 

- Pocket-Sized Full Frame
- Fully AutomaticElectronic Shulter


## 9995



This fully automatic compact incorporates everything for both the novice and the knowledgeable photographer. It features an advanced electronic shutter with speeds of 4 sec . to $1 / 800 \mathrm{sec}$. automatic flash exposure system and an exclusive, $1 \mathrm{f} / \mathrm{slop}$ over and underexposure of the auto meter. It also features a hot flash shoe, single. stroke film advance lever and a quality wide-angle $38 \mathrm{~mm} ~ f / 2.8$ Miranda/Soligor len5, coupled to an ultra.bright range.finder focusIng system. Minimum focus 3 feet. The camera weighs only $141 / 202$. and measures just $41 / 2^{\prime \prime} \times 21 / 2^{\prime \prime}$ y $2^{\prime \prime}$. Imported. Shpg. wt., $11 / 4$ lbs. 15 P 37604 L No Money Down* .......................................... 99.95

SEMI-AUTOMATIC SLIDE PROJECTOR


## AIREQUIPT <br> REMOTE CONTROL SLIDE PROJECTOR <br> 

ELECTRONIC FOCUS SLIDE PROJECTOR
> $39^{95}$ - With Circular Magazine For 100 Silides
> - Panel Focusing and Controls

Model 125. Semiautomatic slide projector with 500 -watt lamp and a $4^{\prime \prime}$, 3-element color-corrected lens for bright, clear viewing pleasure. Features an efficient blower for long lamp life, cool, quiet operation and low slide temperature. Silde pre-heat to assure immediate focus. Also includes a 3 -way on/oft switch, panel focus control and eleva. tion control. Mandsomely styled housing and cover are of unbreakable. lightweight Cycolac. Complete with circular slide magazine.
Shpg. wt. 36531 ws. No Money Down ${ }^{\text {® }}$.. Net 39.95

## $59^{95}$

- Remote Controland Micro-Focus
- With Circular Magazine For 100 Slldes
Model t35. Fully remote controlled. jam. proof projector with a sharp, 4" color-cor. rected lens and a 500 -watt lamp for brilliant screen viewing. Features a highly efficient blowe, for cool, quiel operation, slide pre. heat to insure immediate focus, elevation control, 3-way on/ot switch. panel focus control, remote control for forward/reverse and micro.focus. Smartly designed, self-contained, unbreakable case, Complete with circular slide magazine. Shpg. wt., 12 lbs. 15 P 36473W No Money Down: .. Net 59.95


## $99^{95}$

- Remote Control for Forward/Reverse and Micro-Focus
- Automatic, Electronic Focusing

Model 660. A combination of functlonal design and precision engineering. Features solid.state electronic focusing, brilliant $4^{\prime \prime}$ \$/3.5 color-corrected lens. Remote controlled forward/reverse as well as remote controlled focusing. 3-way on/ofl switch, 500 .watt lamp, elevation and leveling controls. Whisperquiet coolling system provides long lamp lite and low slide temperatures. Attractive cover and housing of lightweight Cycolac tor dura. bility. Complefe with one circular and one metal magazine. Shpg. wt., 141/2 los.
15 P 36762W No Money Down *...Net 99.95

15 P 36499 36-Slide Metal Magazine. Wt., $1 / 2 \mathrm{lb}$. ...Net $2.49 \quad 15$ P 36481 100.Slide Circular Magazine. Wt., $14 / 2 \mathrm{Ibs}$. . Net 2.95


- See Page 23 for Full Details on Easy Pay Plan


## AIREQUIPT SLIDE STACKER

- For All Airequipt Slide Projectors
Permits viewing of slldes without magazines. Holds up to 40 slides at a time. You can now view/edit your silides prlor to storage in magazines. Wt., 1 lb . 15 P 36796

Net 9.89


# LAFAYETTE CdS Exposure Meter 

- With Padded Vinyl Carrying Strap Case and Neck Strap

Achieve correctly exposed photographs and slides from the light of a single cande with this versatile low cost Lafayette meter. Ultra-sensitive CaS photocell meter utlizes dual light ranges to accurately measure light Intensity including extremely low light levels for night and available light photography plus bright beach and snow scenes, Operates comfortably with one hand. A single rocker switch controls light range and turns meter "on" or "off." Measures both reflected and incident light with bulit-in hemispheric diffuser. $50^{\circ}$ angle of coverage provides good averaging of subjects for proper exposure. Mas battery test switch for maintaining accurate readings. Provision for zero adjustment. Long life mercury baltecy (included) assures accuracy over continuous use. Precision jeweied mechanism in high impact ease. Size: $3 \neq 2 \% \times 1 / 4{ }^{\prime} \mathrm{D}$. With padded vinyl carrying case and neck cord. Imported. Shpg. wt., 1 lb.
99 P 71961 L
Net 15.70

## SPECIFICATIONS

Sensitivity: Low Range, 0.275 to 444 footcandies; High Range, 444 to 36,674 footcandles. ASA FIIm Speed Ranges 6 to 12.000 . D/Ms 9 to 42 . Diaphrarm Stops: $1 / 1$ to $/ / 32$. Shutter speeds: $1 / 8000$ to 8 minutes. Movie Scale: 8 to 128 frames per second. EV scale: -3 to +22 . Acceptance Angle: $50^{\circ}$. Celer hespense: 6,200 Angstroms (peak). Photocell Type: cadmium sulphide. Battery: 1 mercury, RM. 625 or equivalent.

SOLIGOR "SELECTOR" oual range cos meter


Take pertect readings from moonitight to bril. liant sunfight. Low tange for normal condiNons; high range increases sensitivity 125 X for difticult lighting conditions. Largo computer dial clearly indicates correct exposure possibilities. Accepts film speeds from ASA 6 to 6400. "I" stops from $/ / 1$ to $/ / 32$. and shutter speeds from 30 secs. to $1 / 2000$ th of a sec. EV scale: $\rightarrow$ to +20 , Cine: $8-32$ ips. Onjoff switch, zero adj., and battery test. With case, neck strap, and battery. Im. ported. Shpg. wt., $1 / 2 \mathrm{ib}$.
15 P 37562 L

## LAFAYETTE ELECTRONIC STROBE FLASH



Fully
Transistorized Use Horizontally Or vertically

Ughtweight strobe weighs under 702 . with batteries. Small size: $31 / 4 \times 23 / 0 \times 17{ }^{3 \prime}$. Hot shoe adapter allows vertical or horizontal use for best flash coverage. Recyctes in 7. 10 seconds on 2 easily replaceable penlight batterles. Kodachrome II (ASA 25) gulde no. of 28. Flash duration: $1 / 2000 \mathrm{sec}$. Color temperature: $6000 \mathrm{~K} .0 \mathrm{n} / \mathrm{OH}$ switch to prolong battery life. Neon lamp sigmais when strobe is ready to fire. Bullt-in PC cord prevents loss. Imported. Shpg. wi., $3 / 4 \mathrm{lb}$.
99 P 71128 $\qquad$
" $A$ " Allaline Batteries for above ( 2 req.)
99 P 63828

LAFAYETTE "35" CLIP-ON EXPOSURE METER


STROBE ADAPTER FOR KODAK INSTAMATIC "X" CAMERAS


Now you can sdapt your instamatic "X" camers to use an Electronic Flash. No more flashcubes to carry ebout or run out of when that unerpected picture comes along. Flash plctures will seem sharper-the fast speed of the fiash seamingly oliminates camera movement which can blur pletures. Simple to Install, synchronlred to "g" model cameras. Has "hot shoe" and PC connection. Im. ported. Simpg, wt., 8 cz . 15 P 49633

Net 6.95

## LKako HHEEAM II ELECTRONIC STROBE FLASH



Compactness and versatulity make this unit a natural companion for all cameras. Features $A C-D C$ operation. Has new color-corrected "Golden" Flash tube for shamp per. fectly balanced color pictures. Gulde No. 28 for ASA 25. 200 llashes with Alkalline batteries. "Redi-light". Flash duration $1 / 2000$ th sec Coverage: $60^{\circ}$ Horizontal $55^{\circ}$ Vertical. Recycling time: 8 sec , on batierles. 5 sec . on AC. Color temperature $5700^{\circ} \mathrm{K}$. Extra long AC power cord. Requires 2 penilght batteries for DC operation Size: $\mathbf{1 x 2 1 / 4 r 3} \mathbf{V a n}^{\prime \prime}$. 15 P 37570 Shps. wt., 1 tb.....Net 19.95 " AA " Alkaline Batteries for above ( 2 req.) 99 P 8828

Net ea.

Compact, powerful flash no larger than a clgarette pack and welghing only $81 / 2 \mathrm{oz}$. gives you light where and when you need it. Guide No. 40 for ASA 25 lilms. 1/3000-sec. flash duration. Operates on 110 VAC with built-in cord of its self-contained rechargeable nickel cedmium batteries. Shoot every 10 seconds with up to 60 flashes per charge. Reflector coverage is $55^{\circ}$; color temperature is balanced for all daylight and 8 o W and/or color 1 IIms. Size: $3 y_{1} \times 21 / 2 \times 1 \mathrm{ym}$. Imported. 18 P 36390 Shps. wt., 1 lb, .... Net 29.95

# SOLIGOR and MIRANDA <br> Telephoto and Wide Angle Lenses 

Interchangeable lenses designed for use with single lens reflex cameras. Each precision lens is hard coated and fully color corrcted. Shipped Prepald Directiy From Factory. Ho C.O.D. Send Full Remitance or Use Lafayette's Easy Pay Plan*.

## SOLIGOR AUTOMATIC LENSES

Hish quality, fully automatic lenses for many SLR cameras including Canon FL; Exakta, Minolta SR series, SRT 101; Miranda F, FV, G. Sensomat, Sensomat "RE" Sensorex, Sensorex 11 ; Nikon; Pentax and Topcon. Lenses have click stops, depth of field scale and manual diaphragm control when needed. Full lens versatility. Specify make and model of camera.

| Stock Mo. | auta Lens C | Closest Focus | Net |
| :---: | :---: | :---: | :---: |
| 15 P 372812 | $28 \mathrm{~mm} / / 2.8$ W.A. | $18^{*}$ | 85.45 |
| 15 P 374892 | $35 \mathrm{~mm} / 1 / 2.8$ W.A. | $2^{\prime \prime}$ | 64.00 |
| 15 P 372992 | $135 \mathrm{~mm} / 1 / 2.8$ Tele. | 6 | 83.70 |
| 15 P 374972 | $135 \mathrm{~mm} / 13.5$ Tele. | $6{ }^{\prime}$ | 59.75 |
| 15 P 373072 | $200 \mathrm{~mm} / 13.5$ Tele. | $10^{\circ}$ | 98.50 |
| 15 P 373152 | $300 \mathrm{~mm} / 15.5$ Tele. | $20^{\circ}$ | 119.85 |
| 15 P 375132 | $400 \mathrm{~mm} / 16.3$ Tele. | $30^{\prime}$ | 133.40 |
| 15 P 373232 | $90.230 \mathrm{~mm} / / 4.5$ Tele. Zoom | $8^{\circ}$ | 176.75 |

SOLIGOR AUTOMATIC LENSES FOR KONICA AUTOREFLEX "T" CAMERA

| Stock No. | Auto Lens Cos | Closest Facus | Net |
| :---: | :---: | :---: | :---: |
| 15P376122 | $28 \mathrm{~mm} /{ }^{\text {/ }} 2.8 \mathrm{~W}$. A . | 18" | 109.95 |
| 15 P 376202 | $135 \mathrm{~mm} / 1 / 2.8$ Tele | 6 | 94.95 |
| 15 P 376382 | $200 \mathrm{~mm} \mathrm{f/3.5} \mathrm{Tele}$ | $10^{\prime}$ | 115.95 |
| 15 P 376462 | 55.135 mm f/3.5 Tele 200 m | n 18* | 184.95 |

## As 9035 As J



## SOLIGOR PRESET LENSES

Low cost preset lenses for limited budgets. Compact, precision optics for most SLR cameras. Full range of focal lengths from wide angle to long telephotos to make previously "impossible" shots a reality. Specify make and model of camera.

| Stock Mo. | Lens | Closest facus | Met |
| :---: | :---: | :---: | :---: |
| 15 P 373312 | $28 \mathrm{~mm} / 1 / 2.8$ W.A. | $18{ }^{\prime \prime}$ | 65.45 |
| 15 P 373492 | $35 \mathrm{~mm} / 1 / 3.5 \mathrm{~W}$. ${ }^{\text {a }}$. | $2 '$ | 38.35 |
| 15 P 375212 | $105 \mathrm{~mm} / 12.8$ Tele. | $4^{\prime}$ | 49.90 |
| 15 P 375392 | $135 \mathrm{~mm} / 1 / 2.8$ Tele. | 5 ' | 56.65 |
| 15 P 373642 | $135 \mathrm{~mm} / 1 / 3.5$ Tele. | 5 | 40.75 |
| 15 P 373722 | $180 \mathrm{~mm} / 13.5$ Tele. | 7.5 | 56.70 |
| 15 P 375472 | $450 \mathrm{~mm} / 1 / 8$ Tele | $25^{\prime}$ | 87.00 |
| 15 P 375542 | $90-230 \mathrm{~mm}$ f/4.5 Tele. $\mathbf{Z c o m}$ | $8^{\circ}$ | 128.80 |

## GENUINE MIRANDA AUTOMATIC LENSES FOR MIRANDA "SENSOREX EE" CAMERA

with CASE and HOOD

| Slock No | Auto Lens | Closest Focus | Net |
| :---: | :---: | :---: | :---: |
| 15P376532 | $28 \mathrm{~mm} / 1 / 2.8$ W.A. | 18" | 162.00 |
| 15 P 376612 | $35 \mathrm{~mm} / 12.8 \mathrm{~W} . \mathrm{A}$. | $18^{\prime \prime}$ | 119.95 |
| 15 P 376792 | $135 \mathrm{~mm} / 12.8$ Tete | 6 | 162.00 |
| 15 P 376872 | $135 \mathrm{~mm} / 13.5$ Tele | $6^{\prime}$ | 119.95 |

## CLOSE-UP ATTACHMENT FOR KODAK INSTAMATIC CAMERAS

Add to the versatility of your Instamatic camera with this handy close.up attachment. Slips easily onto the front of the lens. For use with all black and white, and color fllms. Shps. wt., 402.
For Instamatic $100,104,124,134,150$, 154, 174, X-10, X-15
15 P 36507
Net 2.49
For Instamatic 300, 304, 314, 400, 404, 414. X-25, X-35, X-45

15 P 36515
Net 2.49

## kako AUTO-BEAM ELECTRONIC STROBE FLASH


$54^{4}$

- Needs No

Calculations or Aperture Adjustments

Perfect flash pictures every time! Futly au. tomatic computerized light output control provides the exact amount and duration flash needed for any shot. No more guess. woft, adjustments, or poorly exposed pictures. Also operates nonautomatically, Guide No. 46 (ASA 25). EIfective range (Ruto): 1.2-16.4 ft. Up 10200 flashes (on alkaline batteries) with $7-9 \mathrm{sec}$. recycle time. Flash duration: $1 / 30.000-1 / 1$, 600 sec . Operates on 4 "AA" batteries (not supplied) or $117 / 220-240 \mathrm{VAC}, 60 \mathrm{~Hz}$. With $A C$ line cord. Size: $4 H \times 12 / 2 W \times 3^{\circ} 0$. Im. ported. Shpg. wt., 12 oz.
15 P $36812 L$ No Money Down ${ }^{\circ}$...Net 54.95 "AA" Alkaline Batteries for above 99 P 63828 4 required ....Net ea. . 45

elephoto lens increases the focal length of the lens and results in a 3 times area magnification. Wide angle lens provides a $75 \%$ inerease of subject area. Each lens has a "conversion band seale." Supplied with slip on adapter ring, view finder and case with shoulder strap. Imported. Wt., 14/a lbs, For Polaroid Models 100, 101, 103, 230, 240, 250, 340. 350,360 and 400 series. 15 P 49237

DELUXE ELEVATOR TRIPOO

-3.Sections Extend to $60^{\prime \prime}$
Stablity and minimlin. weight make for easy portability. Suitable for Doth still and movie cam. eras. Quich column lift allows you to raise camera in a jifty and lock it at desired height. Reversible pan-tilt handle permits right or left handed opera. tion at varying heights. 3section non-binding alumilited tubular legs have grip-tite internal lock and non-slip, protective feet Constructed of sturdy lightweight die-castings and cycolac. Overall extended heipht: 64 . Closed length: 22". Shpg. wi., $33 / 4 \mathrm{lbs}$.
15 P 68021
Net 13.5

## WIDE ANGLE ANO TELEPHOTO LENSES for KODAK INSTAMATIC CAMERAS



As Low As

Increase your cameras' versatility with a wide angle or telephoto lens. No adustments necessary. Just slip on the lens and shoot. The telephoto increases the foc al length and results in a magnification of about 2 times the image size as compared with the normal lens. The wide angle lens decreases the focal length and results in an increased subject area of about $75 \%$. Each lens includes a bulit-In viewilinder. Shpg. wt.. 402.
For Instamatic Models-
104, 154, 100. 150, 124R, 174R Hawkey 50.
15 P 49351 Wide Angle Lens
Net 6.60
15 P 49369 Telephoto Lens
Net 6.60
Complete Lens Set of Wide Angle, Telephoto.
Viewfinder with case.
(Not Illustrated). Snpg. wt., $1 / 4 \mathrm{ib}$.
For Instamalic Models--314, 414
15 P 49575
Net 19.95
For Instamatic Models-714, 814, X-90
15 P49583
Net 19.95
For Instamatic Models-704, 804, 700. 800
15 P 49401 Net 19.95
for Instamatic Models-X-15, X.25, X. $\mathbf{3 0}$
15 P 49617 ...............................Net 19.95
For Instamatic Models-X-35, X-45
15 P 49625


Model MX.15R outfit Simple-to-operate camera with Lumenized $\mathbf{f / 1 1}$ prefocused lens for quality pictures. Bright, large viewfinder for realistic viewing. Quick fllm advance. Uses self-powered Magicube Hashcube which requires no batteries. Automatically adjusts for outdoor or flash shooting. Warning tamp shows in viewtinder when new Magicube required. Outfit: camera with wriststrap, Kodacolor-X film cartrigre, Magicube, and instructions. Shog. wt., ly/a lbs 15 P 26375 L

Nel 21.50
Model Ax-25R outfit. Features automatic film advance for up to 12 plctures in 12 sec . Uses self-powered Magicube flashcube which requires no batterles. "Used Lamp" shows in viewfinder when new Magicube required. Bright. large viewfinder for true-to-life viewing. 1/11 Lumenized prefocused tens. Automatically adjusts for fiash or outdoor operation. Outfit: camera with wriststrap. Kodacolor-x film cartridge, Magicube, and instructions. Snpg. wt., ith lbs. 15 P 26383 L

Net 31.50


Instant loading Jightweight cartridge camera that's perfect for recording your family fun. Simple to use ... Just drop in a Kodah 126 cartridge, close the back and snap excellent color or blach and white pictures. Choose from slides or prints. No focusing, no settings. Plashcube automatically rotated and synchronized with each shot. Precision lens. Outfit includes permanent carrying case, wrist strap, color film cartridge, batteries and flashcubes. Shpg. wi., $11 / 2 \mathrm{lbs}$. 15 P 53007

Net 6.95

## YASHICA atooon electroo ULTRAMINIATURE CAMERA KIT



No Money Down*

- Fully Automatic Electronic Exposure
- Complete with Flash Attachment, Right Angle View Finder, and Chain Strap
Fully automatic ultra-miniature electronic camera combines computerized circuitry with fine optical qualities to produce outstanding results. Buill in ic automatically sets the correct exposure setting ensuring ease of operation and maximum reliability under all light conditions. Yashinon. Dx $1 / 2.818 \mathrm{~mm}$ lens gives sharo images. Exposure can be set manuafly, automallically, of locked in an infinite range of settings from EVO ( $1 / 2.8$ at 8 sec.) to EV $16(\$ / 13$ at $1 / 350$ sec.). Convenient pull lever quichly advances film. counts exposures, and charges shutter. Parallax correction frame, visible in viewfinder, allows accurate framing when shooting closeup. Camera measures only $4^{*} \mathrm{x} \%^{*}{ }^{*} \mathrm{x} 11_{1 / 2}{ }^{\prime \prime}$. Comes complete with flash attachment, right angle viewfinder and chain strap. Imported. Shpg. wt., $11 / 2$ tos 15 P 36838 L

Net 134.95
PRELOAD CARTRIDGE FILM FOR ATORON. Ay. Shpg. wt., 3 oz.
15 P 36267 L 40 exposure ASA 125 B \& W................t

# Keystone EVERFLASH INSTANT LOAD CAMERAS 

- With Built-in Electronic Strobe Light
- The Flash Cameras

That Never Need Flashcubes

$$
\substack{\text { As } \\ \text { Asw } \\ \text { As }} 34^{95}
$$



Model 10. Features the economy and convenience of a built-In efectronic flash in an easy-tooperate compact instant-ioad cartridge cam. era. Delivers beautiful, sharp snapshots or shides in color or blach and white. No need to carry bullyy fiashcubes with you ammore or run out of flashcubes when that "special" shot comes along. Up to 100 fash shots per set of ordinary "AA" batterles. Bult-in "Ready light" indicator tells you that thy next flash shot is ready, $1 / 1000$ th second flash speed for "stop action" photography. Bright optical viewfinder and color-cosrected 3 element Triplet glass tens. Uses 126 cartridge film. Wrist strap included. Shpg. wt., 2 lbs.
15 P 84176 L No Money Down



d)

## DELUXE EVERFLASH MODEL 30

Model 30. Exclting, convenient-fully automatic instant load camera. Exposure setting is automatically controlled by an electric eye, per: mitting rapid shooling under varying light conditions. Built-in electronic strobe Ught and rechargeable nicad batteries for clear, crisp pictures even under adverse light conditions; you never need a flashbuib. Flash-test button tells you when flash is ready and checks bat. teries. Color corrected $\mathbf{7} / 5.6$ Triplet glass lens produces sharp images. Reliable solid-state electronic circuifry. Uses 126 cartridge film. Shpg. Wt., $21 / 2$ lbs.
15 P84i84i
15 P84184L

## $2 \times 2$ SLIDE FILE

For 35 mm , Instamatic slides - holds 300 $2 \times 2$ cardboard slides or 150 aluminum, metal or glass mounts. Indez card and permanent. molded in numbering system. Made of polystyrene. Shpg. wt. $13 / 4$ los.
15 P 50227 Nel 1.99

## KODAK FILM WITH PROCESSING INCLUDED



- Slides heturned Mounted, leady for Vien. Int or Showing: Convenient, direct-mail "mallers" in every roll. Afler the complete roll has been filmed, put it into the mailer, drop into a malibor and in a few days your finished films ore delivered postpald to your door, You zet $31 / 2^{\prime \prime}$ square prints with $\mathrm{Cx}-126$. $34 / 2 \times 41 / 2^{\prime \prime}$ whth C-110 and $31 / 2^{\prime \prime} \times 5^{\prime \prime}$ prints with $\mathrm{Cx}-135$ color snapshots. Should you get less than the full number of prints or printable nega. tives per roll you will receive coupon for additional FREE prints. DO NOT MAIL FILM TO LAFAYETTE RADIO. Av. Shpg wt., 8 az.

MOVIE FILM FOR SUPER BMM
15户4705sL Kodachrome II KA-464 50.ft. Cartridge, Kodachrome II KA-464 50-ft. Cartridge,
Indoor/Outdoor ASA Indez 40 Ehtachrome-160. ELA-464 50-ft. Cartridge, Indoor /Outdoor ASA-160

Net 4.2
Net 5.25
KODICHROME 35MM, TVPE X FOR COLOR SLIDES

## Type A ASA Index 94



## FLASHCUBES



For use with standard flashcube cameras. 4 flash pictures without changing bulbs, Plag. of 3 cubes lakes 12 pictures. Shpg. wt., 3 or. 15 P 263261

Net 1.29 New Magicube Type $X$ used with new Kodah series "X" cameras only. Pkg. of 3 cubes, takes 12 snap. shots. Shpg. Wt., 302. 15 P 473301

Net 1.99


- Complete Home Developing Outfit for Black and White Film

Kit contains everything needed to develop and print any Black and white film. Includes GAF developing tank and reel, Professionaltype contact printer. Thermometer stirring rod, 3 plastic developing trays, safelight and printing bulbs, Developing and printing chemicals and paper, 4 -ounce graduate, plaslic wash tray and fitm, and easy to follow instruction book. Shpg. wt., 4 los. 15 P 78251

Net 14.95

## PHOTO COPIER FOR POLAROID CAMERAS



Want copies of your Polaroid snapshots? Make them yourself on the spot in as little as 15 seconds using your present Polaroid. It's easy! Imported. Shpg, wt., $7 / \mathrm{lb}$.
For Polaroid series $100,200,300,400$ colar. pack Cameras.
15 P 49500
Net 8.95
FOR POLAROID COLOR PACK II, III, IV
CAMERA
15 「 49559
Net 8.95

## SEALED-BEAM MOVIE LIGHT <br> - Head Tilts for Bounce Lighting <br> 

Compact, powerful 250 watt sealed beam will provide as much light as previous 650 watt movie lights for bright indoor movies. Features top mounting and convenient on-oH switch. Will fit all new super 8 mm cameras plus all standard 8 mm cameras with tripod socket on top, with 6 ft . cord.
15 P 68039 Shpg. wt., 2 lbs. ....Net 9.95

## VANKEE <br> 35 mm DEVELOPING and enlarging kit

- For Enlargements of up to $11 \times 14$

The DPK-4 Enlarging and Developing KIt provides all the needed equipment for developing 35 mm film and making enlargements up to $11^{\prime \prime} \times 14^{\prime \prime}$ in size. The kit includes a condenser enlarger, complete with condensing lens, $50 \mathrm{~mm} 1 / 3.5$ enlarging lens, and a 35 mm glassless negative carrier. For developing negatives, a roll film developing tank with an adjustable reel is included, with an agitator thermometer. Kit also comes with $3-8 \times 10^{\text {w }}$ developing trays, a 4.way enlarging easel for prints from $21 / 4 \times 21 /{ }^{\prime \prime}$ through $8 \times 10^{-}$, safe light housing, squeegee, two print tongs, two film clips, and a complete instruction booklet. Chemicals, enlarging papers, and bulbs are not included in this kit. Shpg. wt., 20 lbs.
15 P 36820 W No Money Down *... Net 79.95 Enlarging sult for atove
15 P 36846
.Net 1.10

## DELUXE PHOTO COPIER FOR POLAROID CAMERAS

## $17^{75}$ <br> - With BuiltIn, GlareFree, High Intensity Floodlights <br> 

Copy photographs, magazine articles without damaging the original by using your present Polaroid camera. Deluxe photo copier with its own miniature $\mathbf{1 2 0}$-watt lights allows you to copy any time of day or night. Diffused light does not produce glare on prints. Fast exposure time assures a blur-free picture. Quickly installed or removed. With built-in linecord switch and glare.free lamps. CSA and UL listed. Shpg. wt.. $1 \mathrm{~V} / 2 \mathrm{Ibs}$.
For Polargid Series $100,200,300,400$ Color. pack Cameras
15 P16160
Net 17.95

## DELUXE 650 WATt QUARTZ MOVIE LIGHT

## $12^{35}$

- Head Tilts for Bounce Lighting
- For All Super. 8 Cameras

Shoot brilliant movies indoors. Long life, quartz-bromine movie light for maximum output. Smatl, all metal unbreakable housing with bullt-in on/ot switch. UL listed. With $61 / 4 \mathrm{ft}$, cord. Shpg. wt., 1 lb.
15 P 68005
$79^{95}$

## G.E. OR SYLVANIA PROJECTION LAMPS



Exact replacement projection lamps for most movie and slide projectors. We will fill your order with elther G.E. or Sylvania depending on stock avallability. Imported $\ddagger$. Shpg. wt. 6 oz .

| stock No. | $\begin{aligned} & \text { ASA } \\ & \text { Cad } \end{aligned}$ | Watts | Net <br> E. |
| :---: | :---: | :---: | :---: |
| 15 P 36713 | BCK | 500 | 13.40 |
| 15 P 36721 | CBA | 500 | 13.95 |
| 15 P 36564 | CLS/CLG | 300 | 4.60 |
| 15 P 36572 | CYC | 300 | 4.70 |
| 15 P 36580 | CZA/C2B | 500 | 6.80 |
| 15 P 36739 | CZX/DAB | 500 | 6.50 |
| 15 P 36598 | DAK | 500 | 6.10 |
| 15 P 36606 | DCA | 150 | 7.05 |
| 15 P 36614 | DCH/DJA | 150 | 6.50 |
| 15 P 36622 | DDB | 500 | 6.70 |
| 15 P 36630 | DEF | 150 | 8.10 |
| 15 P 49450 | DEJt | 750 | 2.95 |
| 15 P 36648 | DEK/DFW | 500 | 6.95 |
| 15 P 36655 | DFA/DJL | 150 | 7.05 |
| 15 P 36663 | DFC/DFN | 150 | 6.50 |
| 15 P 36671 | DFG | 150 | 6.50 |
| 15 P 36697 | DLS/DHX | 150 | 7.80 |
| 99 P 71219 | EDK $\ddagger$ | 500 | 1.99 |
| 15 P 36747 | EGH ${ }^{+}$ | 500 | 13.00 |

## OUAL 8 AUTO-THREAD METAL REEL AND CAN

## As Low As

79 c


A fully automatic self-threading take up reel. Designed for all standard 8 and super 8 projectors, Quality constructed with a preci. sion diecast hub and sturdy flanges. Shpr. wt. 602.
15 P $16178400^{\circ}$ Capacity .........Net .99 15 P 16186 200 Capacity .........Net. 79

# Microscopes For Beginners \& Intermediate Students 



- Zoom from 50 to 900 Power
- All Metal Construction
- All Dissecting and Mounting Materials
- Includes AC/DC Substage illuminator
- With Attache Type Carrying Case

A complete microscope laboratory for the student and enthusiast. Provides all necessary material to explore the interesting field of microscopic research. Achieves magnification from 50X to $900 X$ with combinations of the 3 objective lenses ( 5 x . 20x, and 45x), and the fine ocular which zooms from 10x to 20x. Rack and pinion focusing assures clear, sharp images, the 900X scope features an optical condenser, plano mirror, and built-in 3-volt light powered by the AC adapter or 2 penlight batteries. Laboratory includes a complete dissecling kit with hand lens, blunt-end scissors, probe, scalpel. spatula, tweezer, and eyedropper, plus glass. ware, including: 11 blank slides, 12 cover glasses, 3 test fubes and beaker. Also includes: prepared slide, 2 bottled specimens, 4 slide preparation chemicals, 2 spare light bulbs, mounting balsam, and instructions. Less batteries. Imported.
Shpg. wt.. 5 lbs.
99 P 70252
Net 24.95
99 P 71060 Replacement Bulb Net. 22 99 P 62580 Battery ( 2 req.) Net ea. 10

## 50X to 1200X 'Zoom' Microscope Set



- 50x-1200x Magnification - Zoom Eyepiece
- Complete Set of Dissection Instruments
- a Achromatic Objective Lenses
- All Metal Construction
- With Bullt-in Plano Mirror and Illuminator

Constantly variable magnification from 50 to 1200 X . Zoom eyepiece for less specimen adjustment and controlled detaif magnification. Dual knob rack and pinion coarse focus control plus fine focus control. Stage includes optical condenser and aperture diaphragm. Spring laaded rack prevents damaging objective. Sub-stage Illumina. tor-mirror combination for direct, incandescent, or reflected illumimatton. Includes 2 prepared slides, 4 blank slides, spatula, scalpel, probe, scissors, tweezer, and magnilying glass. Wooden case with carrying handle. Illuminator operates on penlight cells or house current, by means of an optional transformer. Less batteries. Im ported. Shpg, wt., 5 tbs.
99 P 70278 Zoom Microscope
Net 29.95
99 P 71060 Replacement Bulb ........................................................................ 22 99 P 62580 Baftery ( 2 required) ................................. ea. . 10 TRANSFORMER-Permits use of house current for illumination of zoom microscope.
99 P 71102 Shpg. wt. 9 oz.
Net 1.99

750X 'ZOOM' MICROSCOPE SET


## $15^{95}$

- Variable Magnification
- $50 \times 10750 \times$
- All Metal Construction
- Built-in Substage Illuminator
- 3 Coated Objectives

Ideal for student or hobbyist. Features advanced zoom type micro-0ptics. 200 m action permits smooth vibration-free, variable magnification whout disturbing stage or specimen. Three hard coated objectives set in a revolving "click stop" turret give magnifications of $50 x, 75 x$, 200x, $300 \mathrm{x}, 500 \mathrm{x}$ and 750x. Zoom action permits choosing multiple magnifications without changing eyepiece or objectives. The eyeplece 200 ms smoothly from 10 X to 15x. llluminator operates with batteries or on ordinary house current with transformer supplied. Includes instructions, sample stides, 5 plece dissecting kit and wooden carrying case. Less batteries. Imported.
99 P 70450 Wt.. $31 / 4$ lbs. Net 15.95 99 P 71060 Replacement bulb Net 22 99 P 62580 Battery (2-Req'd.) Net. 10

## 600X Microscope Set


$8^{95}$

- With Sub-Stage Light
- 75X-300X-600X
- Triple Revolving Turret

For the student-nobbyists-or budding scientist! Features built-In sub-stage light and three achromatic objective lenses giving magnification of $75 x$, 300 X and 600 x . Complete with 3 glass slides, 5-plece dissecting set and hardwood cabinet. All metal. Less bat. teries. Imported. Shpg. wt.. $21 / 2$ lbs.
15 P 64020 ............................Net 8.95 99 P 62580 Bat. (2-req.).. Net ea. . 10

## Microscope and Accessories

"MICRO'DAPTER"TM


- Micro-photography!
- Astro-photography!


95 - Use Any Camera.

Microscope or Camera/Telescope Setup
Permits the use of any camera-even movie cameras-with practically all microscopes and telescopes. No need to remove the camera lens. Cross hairs are super-imposed on the Image for centering. The image is automatically in focus for the camera when viewed in focus through the MICRODDAPTER. Accessory sleeves permit the MICRO'OAPTER to be used with other than Sociely size microscopes. The MICRODAPTER may be used with any telescope by attaching to evepieces of 29 mm ( $1 \mathrm{~K}_{\mathrm{p}}{ }^{2}$ ) maximum diameter. Imported. Shps. wt., $21 / 4 \mathrm{lbs}$.

Net 14.95

## DELUXE

1200X RESEARCHER MICROSCOPE SET

- $25 \times$ to 1200 x in 12 Ranges
- Full Range Fine Focus Adjustment
- Integral Mechanical Stage
- Rotating Diaphragm
- All Metal Construction

Closely parallels the "Soclety" grade microscope. Four Muygenian eyepieces: $5 x$ 10x, 15x P20X combine with four achromatic objectives: 5x, $10 x$, $40 x$, $60 x$ to yield 12 combinations: $25 x, 50 x$, 75x, 100x, 150x, 200x, 300x, 400x, $600 x, 800 x$, $900 \mathrm{x}, 1200 \mathrm{x}$. Dual knob rack and pinion coarse focusing with tension adjustment for slow motion. Micro-motion fine focusing adjustment Spring loaded to prevent objective from driving through slide. $85 \mathrm{~mm} \times 85 \mathrm{~mm}$ stage can be moved in any direction, with slide by 2 knurled screws while looking twough the eyepiece. Sub-stage has rotating, 5 -position diaphragm and 35 mm plano/concave reflecting mirror. Stable horseshoe base. Complete with set of 5 basic dissecting Instruments. 10 slides, pack of cover slips, fube of mounting fluid. All in dovetalied wooden carrying case with handle and four rubber feet. Imported. Shpg. wt., 7 lbs.

99 P 70419

MICROSCOPE LIGHT

- Use with Any Microscope
- Furnishes Bright, Even Light


## $3^{85}$

Provides aright, evenly Hghted field of view. Height 41/2". Lamp may be ralsed or lowered to any desired height. Incilina: tion and elevation joint permit swinging through $360^{\circ}$ in both horizontal and vertical plane. Fully adjustable for transparent or opaque specimens, direct or indirect lllumination. Invaluable where oblique light is necessary. Operates on $110-120$ volts $\mathrm{AC} / \mathrm{UC}$. Self.contained cord and plur. With extra bulb. Imported.
15 P 64103 Shpg. wt. $1 / 4$ Ibs

## MICRO-STANDARD

 MECHANICAL STAGE$24^{95}$ - Locates Any Spot On A Slide, "On the Nose."

- Smooth Action-Morizontal and Vertical - Foolproof Co-ordinate System

Graduated mechanlcal stage attaches to any "Society" size microscope stage such as Medica, Micro.Plez and Miero-Standard. Adjustable holder takes any slide up to 90 mm $\times 50 \mathrm{~mm}$. Essential lor methodical examinations such as is required under an oll im. mersion lens or in blood counting. Locates and relocates porition of the slife quickly and easlly. Vertical movement by rack and pinion-horizontal movement by worm gear. Machine engineered scales, graduated in single millimeters with vernier roading to $1 / 10$ th mm . All sllides can be chatted by means of the co-ordinates of these scales. Spring clip automatically fits the slide Into proper position. Imported. Shpr. wt., 1y/ lbs. 99 P 703851
99P70385L
. Net 3.85

## Net 44.95



## MICROSCOPE MECHANICAL STAGE

- With Graduated Scale - Vernier to $1 / 10$ th mm - Attaches to Any Square Microscope Stage Altaches to any square microscope stage $70 \mathrm{~mm} \times 80 \mathrm{~mm}$ or larger. Accommodates slides up to $75 \mathrm{~mm}=50 \mathrm{~mm}$. Both lateral and front-to-back movement by rack and pinion. Adjustment scales are graduated in single millimeters with verniers reading to
 masnitication examination Permits relocating any portion of a slide of charting the entlre slide. Spring cllp automatically accommodates slides of varying dimensions. Imported. Shps. wt., 12 azs.

Net 10.95
(A) HUNTING WITH THE MICROSCOPE
naw to prepare ana stuay cultures - set up a microscope 200 and garden-grow micro organism-perform micro surgery. Illus. trated with photographs and drawings. 10 P 60029 Shpg wt . 8 oz . Net 1.95
(8) HOW TO DISSECT. Tips on dissecting the digestive, reproductive, nervous, eirculatory and structural systems of the earthworm, crayllsh, grasshopper, starlish, squid, shark, frog, gladiolus, perch, lobster, octopus, snail, moths, barnacles, etc. special projects: betavior of earthworms, food and oxyzen in space ships, regeneration, micro-dissection, camoutlage, etc. ${ }_{128}$ tion, micro-dissection. 82 photos.
10 P 60011 Shpg. wt., 8 02. .. Nel 1.95
(c) SLIDE PREPARATION KIT.

30 elass slides, $3^{-}$¥ $1^{1}$. in a fitted, sturdy, cardboard container. Slotted guides hold slides upright for easy indexing. Includes slide covers and vial of mounting fluld. Imported.
15 P 21020 Shpg wt., 3/4 lb. Net 2.19
DISSECTING KIT. 9 -piece set in wooden boz consisting of 5 兹" spatula, $51 / 2^{\prime \prime}$ knife, $41 / 2^{\prime \prime}$ (weezer, $5^{\prime \prime}$ scissors, 30 mm magnitier, eye dropper, 1 glass rod, straight hook, and curved needle. Imported. Shpg. wt. 1 lb .
15 P64111
Net 3.50



- Eyepieces and Barlow Lens For 450x, 300x, 225x, 150x, 90X and 45X 900 mm Focal Length - Micromotion Con. trols For Horizontal, Polar, Declination $41 / 2^{\prime \prime}(114 \mathrm{~mm})$ F/8 Spherical Aluminized Quartz Mirror - Barlow Lens Included
$41 / 2^{\prime \prime}$ spherical, aluminized quartz mirror gives wide, flat fleld of view and outstanding color definltion. Three coated eyepleces provide marnifications of 45X. 150X, 225X; (with Baplow lens 90x, 300x and 450 x ). Fast resolving power of 1.5 seconds and 900 mm focal length permits detailed viewing up to twelfth magnitude. $5 \times 24 \mathrm{~mm}$ right-angle, prismatic finder scope with cross halrs easily locates objects to be viewed. Micro-motion controts and equatorial mount with hour and declination circles provides complete control for track. ing. Meavy duty hardwood tripod with accessory tray adjusts from 33 to $60^{\prime \prime}$. Complete with lenses, Sun glass, Moon glass. Barlow lens, Scope stre: $41 / 2^{* \prime}$ Dia., $36^{*}$ long. Imported. Shpg. wt.. 30 Ibs.
99 P $72183 W \mathrm{X}$


## 250x Astronomical Telescope

.Net 99.95

## $59^{50}$



Magnification up to 250 x

- Fully coated 60 mm achromatic objective
- 700 mm focal length - $5 \times 24 \mathrm{~mm}$ view finder with crosshairs - 2 Huygenian eyepieces plus a $2 x$ Barlow lens

Achieve magnification from $55 \times$ to $250 x$ with the use of the $2 \times$ Barlow lens included. Fully coated 60 mm achromatic objectlive lens provides exceptional light gathering power and very low chromatic aberration. $5 \times 24 \mathrm{~mm}$ view finder with crosshairs for locating objects quickly. Star diagonal prism for right angle viewing. Sun lens for solar observation. Includes 2 Huygenlan eyepleces, $55 x$ H 12.5 mm and 125x H 5.5 mm . Mounted on sturdy wooden extension tripod with dectina. tion rod for vertical fine adjustment. Size $34^{\prime \prime} \mathrm{L} \times 60^{\prime \prime} \mathrm{H}$. Imported. Shpg. wt., 12 tbs.
15P2106iw No Money Down*
Net 59.50

## PEN-SCOPE <br> $2^{19}$

- 8 Power Telescope
- 30 Power Microscope

The 8 power telescope with adjustable sliding focus barrel that extends to over 8 inches, collapses to $52 /{ }^{\prime \prime}$ and fits easily in pocket. Barrel slips off to convert to a 30 power microscope. Nickel-plated metal case with pocket clio. Dia. only 5/16". Imported.
99 P 71987 L Shpg. wi., 5 oz.
Net 2.19

- Eyepieces for 132, 64X and $32 X$
- $4^{\prime \prime}(100 \mathrm{~mm}) f / 8$
- Aluminized First Surface Secondary Mirror

A fine, compact professionally designed $4^{\prime \prime}$ reflecting telescope with carefully aluminized optics.for exceptionally low light loss. Primary mirror is aluminized and quartz overlaid. Highly achromatic optical system features very low chromatic aberration. Adjustable wooden $48^{\prime \prime}$ tripod with tray brace and convenient optical sight permit easy field use on uneven surfaces. Rach and pinion drive assures smoo:h focusing. Lightweight aluminum body has white baked enameloid finish: Specs.: Mirror Dia.: $4^{\prime \prime}(1$ comm). Focal Length: 800 mm . Eye. pieces: 6; 12.5 ; and 25 mm Huygenian, Resolving Power: 1.4 seconds. Supplied with stand, sun filter and three eyepleces. Imported.
99 P 72126 W Shpg. wt. 1042 lbs .
Net 44.75 99 P 70542 Barlow lens for double power. Wt., 6 oz. Net 4.95

45x Terrestrial Telescope

# Selected Scopes—Optical Accessories 

## LAFAYETTE $8-25 \times 30-\mathrm{mm}$ ZOOM SPOTTING SCOPE

- Zoom Any Power From 8 X to 25 X
- Quick Focusing With Table Top Tripod An outstanding varipower spotting scope that is ideal for any "spot ting" need in field or general use ... shooters, Dird watchers, etc. Features 30 mm coated lens for brilliant viewing. Fingertip controls for quick zooming and focusing. Has a built-in camera tripod socket Inctudes a table-top tripod with rubber-tipped legs that prevent scratehing of furniture. Compact, lightweight and portable... ideal for taking it everywhere you go. Complete with Dlack. zippered carry. ing case with convenient belt loop. Overall lengit of scope is $12^{*}$. Imported. Shpg. wt., 3 lbs.

DELUXE $13-40 X 40-\mathrm{mm}$ ZOOM SPOTTING SCOPE - Zoom From 13x to $40 \times$ Power 40 mm Objective same unlque design as above but with extra power and larger $40-\mathrm{mm}$

LAFAYETTE $8 \times 24$ MINI-SCOPE

- Fits in Palm of Hand
- Includes $6 \times$ Super Wide-Angle (11) Objective
Versatile, precision pocket telescope provides powertur B-power optics. Ideal for travel. hiking, nature study or sports. 24 mm coated lens provides 435 ft . viewing orea, 18 mm tens 575 fl . at 1000 yds . With zip pered case, wrist strap. Imported. Shpg. wi., 10 oz .
99 P 72159
objective. With tripod less case. Overall Length $16^{\circ}$ Imported.
15 P 64038 Shpg. wt., $23 / 4$ lbs.
15 P 64038 Shpg. wt., $23 / 4$ lbs. ...................................Nel 24.75



## LAFAYETTE BINOCULAR MAGNIFIER

- Leaves Hands Free
- Reduces Eyestrain
- With 3 Lenses


## only <br> 



Ideal for technicians. inspectors and hobbyists. Precision ground and pollished lenses for very close work without eyestrain. HeadDand adjusts to any head size. Lenses can be changed with pushbutton ease for three magnitying powers. Flip up viewer may be worn over eyeglasses. Supplfed complete with 3 lenses $-2 X$. for $9^{\prime \prime}$ worthing distance; $2.5 x$ for $54 / 2^{-3}$ working distance and $3 X$ for $41 / 2^{\prime \prime}$ working distance. imported. Shpg. wt., 1 ib .
99 P 72068
Net 9.95

## LAFAYETTE OPTICAL MICROMETER

- Direct measurements to . 005
- Measures Diameters - Radii - Angles
- Linear scale in inches
high quallty optical micrometer using a friplet tens system of approximately 7 power. Triplet system alfords wide flat field of view. Extremely accurate reficle of etched glass. 0.5 inch linear scale callibrated to .005 inch. 10 mm scale calibrated 10.2 mm . Mole diameters from $\mathrm{K}_{4}$ to $\mathrm{K}_{0}$ " and from . 005 to $.05^{\prime \prime}$. Thickness scales from $\mathrm{K}_{4}$ to $\mathrm{k} / 4^{\prime \prime}$. Radit from k , to $3 \mathrm{~K}^{\prime \prime}$ and angles from 0 to $90^{\circ}$. Accurate to edge of $1{ }^{\prime \prime}$ field. Adjustable rocus. Complete with leather case. Imported. Shpg. wi.. 8 oz.
Imported. Shp
99 P 70757 L
- See Page 23 for Full Details on Easy Pay Plan

MAGNA SIGHT-MASTER 3-D BINOCULAR MAGNIFIER $4^{95}$

- Leaves Hands Free
- Reduces Eyestrain
- 3-Dimensional
- Can be Worn With or Without Glasses
 A precision optical instrument enabling anyone to do very close work and see it clearly in 3 dimensions. Adjusts to any head size com. fortably. No moving parts to replace. Ideal for hobbyists, repalir. men, inspectors and technicians. Avaliable in 4 sizes. Imported. Shpg. wt., 902.
15 P $200551.75 x, 14^{*}$ Working Distance
. Net 4.95
is P $200632.25 x, 10^{*}$ Working Distance
Net 4.95 5 P 20071275 x . $8^{*}$ Working Distance .......................Net 5.75 15 P 20089 3.5X, $4^{\prime \prime}$ Working Distance .......................Net 6.50


## PROJECT-A-SCOPE

- Projects Giant Pictures in Color or Black and White
- Films or Negatives Not Needed
Handsome prolector molded of heat and abuse resistant. hi-impact plastic for
 long life. Casts sharp. giant-size enlargements on any white wall of screen in brilliant color or black and white. Simple to operate. Can be used by students. artists, lecturers and demonstrators, Children can project comics or story books to amuse themselves and their friends. Uses ordinary household bulbs U/L Iisted. 110 volts, AC-DC. Shpg. wt., $21 / 2$ tos.
15 P 50011


## LAFAYETTE TRU-ZOOM Wide Angle .Not a "Vari-Power" One Control Zooms both barre/s ! <br> $\qquad$ 

- 7X to 12X-or any Power in Between
- Center Focus-Right Eye Adjust-Plus Single Synchronous Zoom Control!
Sensational Zoom action holds even fast-moving subjects in perfect view. Sight in any subject at 7 -power-then 200m un to 12 -power (or any power in between) for closeup viewing. Full 40 mm , obiective lenses, hard coated achromats. Field of view is 323 feet at 1000 yds., at 7 power ( $6^{\circ}$ ), 289 feet at 1000 yds. at 12 power ( $5.5^{\circ}$ ) Prisms clamped in shock-resistant mounts. Lightweight alloy frame and body, Sealed against dust and moisture. Includes plush-lined hard case and straps. Imported. Shpg. Wt., 43/4 lbs.
99 P 71086
Net 49.95


DELUXE $7 \times 35$ WIDE-ANGLE BINOCULARS

- 578 Ft. Field Of View at 1000 Yards
- Oversize Oculars - Exceptional Quality

A multi-purpose, precise $7 \times 35 \mathrm{~mm}$ binocular that is particularly adept for field studies. Wide-angle hard coated prisms permit brilliant and close-up detalis of sporting events, without sacrificing the image, as is the case with regular narrow angle binoculars. Field of view at 1000 yards is 578 feet! Center focus and right eye adjustment insure perfect focus. All optics are sealed against moisture and are properly collimated and aligned. Hard lined case for protective storage when not In use. Complete with neck strap. Imported. Shpg. wt., 3 lbs 99 P 70195

Net 31.95

## NEW! $8 \times 30$ ROOF PRISM BINOCULARS


$69^{95}$
No Money Down.

- Wide 390 Ft. Field at 1000 Yards
- Compact, Lightweight Design - Focus Down to 20 Ft .

This new, compact binocular features the roof prism system. The most advanced oplical concept in binocular design. Smaller and fighter than conventional designs of equal power, but still affords wide field, high luminosity and a superb optical train. Seamless body design seals agalnst moisture and dust. Focusing by means of internal system with right eye adjust. Weighs only 20 ounces, can be held comfortably for long periods of time. Complete with black vinyl hard case and strap. Imported. Shpg. wt. $21 / 2$ lbs.
99 P 70518
Net 69.95


## VERSATILE BINOCULARS

Precise design-quality material-and expert workmanship. All lenses are hard coateo-prisms clamped in lightwelght alloy frame and body-sealed against dust and moisture-properly collimated and aligned. All are center focus with aojustable right eyepiece. Hard lined case and neckstraps included.
7r35 POPULAR, VERSATILE, ALL PURPOSE BINOCULARS. For the sports. man-hunter-bird watcher-vacalioner. High Juminosity. Compact design. Field of view $367^{\circ}$ at 1000 yards. Imported.
99 P 70187 Shpg. wt., $21 / 4$ lbs
Net 19.95
$7 \times 50$ NAVY SIYLE NIGHT GLASSES. Favored for marine use. The choice of protessionals because of exceptionally high light gathering power. Superior image brightness. Field of view $372^{2}$ at 1000 yards. 99 P 70161 Shpg. wt., $37 / 4$ lbs. Imported.
. Net 26.95
$20 \times 50$ KING OF THE LONG RANGE, Hunters, mountain climbers, plane spotters, forest iangers-any long distance viewing and observation requirement. Field of view 157, at 1000 yards. Shpg. wt.. $37 / 4 \mathrm{lbs}$. 99 P 70203 Imported.

Net 29.95


## MAGNI-BOOSTER

## Converts Binoculars

 Into High-Powered Scope- Magnifies Binocular Power $21 / 2$ Times
(7 Power Becomes
$171 / 2$ Power!)
Instantly converts standard binoculars into a high-powered all-purpose spotting scope with crystal clear magniffication! Increases the power of your binoculars $21 / 2$ times making it possible to spot details which cannot be seen with the binoculars alone. Ideal for hits. Easily slips off for standard binocular viewing. Fits over front lens of binocular with appropriate locking adapter (see below). Focuses with binocular controls or with its own focusing ring. 15 P 42018 Shpg. wt. $1 \mathrm{lb} .$.

Net 20.95

## Stock No. For Binocular Objective Mim Oia.

Net

15 P $420261^{13 / 4^{\prime \prime}}$ to $2^{\prime \prime}$ O.D. Shpg. wt. 502.
3.69

15 P $42034 \mathrm{~J}^{\prime \prime}$ to $21 / 4^{\sim} 0.0$. Shpg. wt., 5 oz oz...
15 P 42042 2\%" to 2\%" 0.0 . Shpg. wt., 6 oz. 3.69
3.69

- See Page 23 for Full Details on Easy Pay Plan


# Lab and Field Research Equipment <br> 80-WATT ULTRASONIC CLEANER <br> SUGAR REFRACTOMETER 



- High Capacity-1/2.Gallon Tank 80-watt Average Output Generator A new standard of time-saving, tmmaculate cleaning. A special trans. ducer located in the solvent tank is excited by an ultrasonic generator (at $90,000 \mathrm{chs}$ ). It sets the solvent in agifation, producing microscopic bubbles (cavitation) which disintegrate dirt particles. Soil can be removed from the finest crevices without damage to delicate parts. Uitrasonic Cleaner consists of a 80 -watl pulse generator and a $1 / 2$-gation cleaning tank. Tank constructed of stainless steel with 4A grade polish. Specifications: Input $110.117 \mathrm{~V}, 50 / 60$ cycles; Output $90 \mathrm{kc}-80$ watts, avg., 320 watts peak. Tank. inside dim., $53{ }^{4}{ }^{-1 L}$ $\times 51 / 4^{\prime} W \times 4^{\prime \prime} 0$. Complete with $4^{\circ}$ connecting cable. Exterior of Tank and generator finished in baked enamel gray. See listing below for solvents. Shpg. wt., 31 lbs.


## 15 P85017W No Money Down*

$\qquad$
$\qquad$ Net 149.95

## 30-WATT ULTRASONIC CLEANER

For cleaning small manulactured parts - electrical contacts, contact lenses, dentures, bearings, jeweliry, etc. Generator output 30 watts average, 120 walts peak. Inside tank dimensions: $35 \times 3 \% \times 3^{-}$deep. 1-pint capacity. See listing delow for solvents. Shpg. wt., 26 lbs. 15 P 85025W No Money Down*

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            ........ . . . ... . Net 69.9
```


## 120-WATT ULTRASONIC CLEANER

An extra high capacity cleaner widely used in electronics. automotive and other precision instrument fields. Valuable in ali areas of applied medicine. $11 / 2$ gallon polished staintess steet tank size (inside): $12 \mathrm{~L} \times 6^{-} \mathrm{w} \times 6^{7} \mathrm{H}^{2}$. Generator output: $90 \mathrm{KHz} @ 120$ watts average. 480 watts peak. With lilustrated reterence-manual. See listing below for solvents. Shpg. wt., 34 lbs
15 P 85033 W No Money Down*

## 40-WATT ULTRASONIC CLEANER

 $69^{95}$Model LP-IHO. Completely self-contained easy-to-handle ultrasonic cleaner capable of serving a variety of cleaning applications. Automatic 5 -minute time switch turns unit off when cleaning cycle Is finished. Stainless Steel worktop and sides protect unit against spills and splashes. One-pint Stainless Steel cleaning pank cannot be marred of harmed by any normal cleaning agent or solvent, warm or cold. Ideal for removing grease, tar, wax, sulphides, fluxes, and fingerprints from components, miniature mechanisms and a variety of other precision parts. Generator Freq.: 90 KHz., RF input power: 40 watts. All taansistors. Dimensions $91 / 2 \times 5 \times 4 \%{ }^{\circ \prime}$. See listing below for solvents. Shpg. wt., 7 lbs
15 P 23026 No Money Down*
Net 69.95

## ELECTROMATION SOLID STATE ULTRASONIC CLEANER

 $29^{95}$

High frequency uftrasonic cleaner vibrates $77,000 \mathrm{~Hz}$. Ideal for hobbyist, artist, draftsman. Cleans jewelry, coins, contact lens by disintegrating and dissolving dirt particles. Transistorized, all metal unit with stainless steel cleaning cup $21 / 4^{\text {" }}$ dia. $\times 11 / 2^{\circ}$ deep. Sample cleansers, jewelry brush and tweezers included. 115 volts, 60 Hz . Shpg. wt., $11 / 2 \mathrm{lbs}$
15 P 23042 ..................................... 29.95


- A Modified Abbe Design-Reads Percentage of Sugar in Solution
- Completely Portable-Fits in Pocket
- Accuracy $\pm 0.2 \%$ for Low Range Instruments- $\pm 0.5 \%$ for High Range
An accurate hand sugar refractometer. Designed for accurate measurements of the percentage of sucrose of dissolved solids in solution. Particularly sulted to the sugar industry. Permits accurate measurements, in the field, of sugar percentage in fruits and vegetables. Equaliy suitabie for use in the "juice" industry, in canning plant lab, candy, chocolate and jelly industries, soft drink plants, preweries, argriculturat as well as in other phases of chemistry and clinical pathology. Simple in operation-no moving parts except the focusing eyepiece. Completely color corrected optical train, perfectly clear field. Range of $0.32 \%$, reads directly to $0.2 \%$, easily estimated reading to $0.1 \%$. Accuracy $\pm 0.2 \%$. Includes adjusting screw diliver temperature correcting tables, leather carrying case, and straps. Imported. Shpg. wt., $11 / 4 \mathrm{lbs}$.
99 P 70369L No Money Down*
Net 39.95


## DIRECT VISION SPECTROSCOPE



- Focusable Fielá

A simple accurate instrument for the spectroscopic analysis of emission spectra from light sources, vaporized chemicat salts, solids, liquids and the Solar Spectrum. Convenient for experimental and student use. A broad dispersion field of high intensity is obained from several dispersing prisms of matched slass while high grade optical system yietds good resolution, sufficient to separate $5769.6 A^{\circ}$ from $5790.6 A^{\circ}$ In the spectrum of a fluorescent lamp. The silit is preset and can be focused sharply by means of an eye piece draw-tube, assuring easy viewing and establishment of Fraunhofer tines of the Solar spectrum or bright lines of the emission spectra. Metal parts are made of chrome-plated, corrosion-proof brass. Supplled in fitted case. Imported. Shps. wt., 10 oz. $99 P 707731$

Net 21.75

> ULTRA-VIOLET HAND LAMP


An economical, compact, self-contained source of Doth short wave and long wave ultra-vialet light of medium intensity. For lab, home and field use where high intensity is not required. Operates from elther AC house current or batteries. Easily carrled-weighs only 1 Ib., 14025 . Portability extends its uses. Tvpical applications: fluores. cence demonstrations, mineral determination, prospecting. Special circuit has been designed for Migh efficiency, low drain operation. Tubes are easily repiaced. Separate, extra large filters for short wave and long wave and switch for independent operation of each source. Includes 6 Identified mineral samples and a 12 -page book which describes some of the many uses of ultra-violet radiation. Comes complete ready for use-for $110-120$ volis $50 / 60 \mathrm{cps}$. AC Less batteries ( $2-45 \mathrm{~V}$ " $B$ " batterles required for portable use). Battery adapter case optlonal. Slze: $51 / 212 \times 81 / 2^{\prime \prime}$. Shpg. wt., $41 / 2$ los. 15 P45045

Net 39.75
Battery Adapter Case with adjusiable shoulder strap. Shpg. wt., $13 / \mathrm{lbs}$.
15 P 45052
ter Case wi 15 P 45052
45. Volt " $^{\prime \prime}$

Battery (2 required for battery operation). 32 P 48101 Shog wi 21/4 los. 3.27

## U/V FLUORESCENCE ACCESSORY SET <br> Contains 16 different items including: invisible water paint 4

 colors), invisible tracer powder, invisible writing ink phosphoragram, UY :: ansmitting and absorbing clear plastic, invisitile dye, 10 yds, fluorescent elastic cord. 48-page "story of Black Light" book of experiments. (Not illustrated). Shpg. wt., $2^{1 / 2}$ lbs.15 P 45060

# Parts Cabinets 



## RAACO 48 DRAWER PARTS CABINET 11 $1{ }^{195}$

 - Heavy Gauge Welded Steel Frame - With Dividers and Index CardsExtra large cabinet, $12 \mathrm{~W} 22 \mathrm{Hx} 54 \mathrm{M}^{\prime \prime} \mathrm{D}$, holds hundreds of items. Modulat constfuction permits arrangement in single or multiple units, on walls, workbenches, shelves, or shop floors. Rigid steel frame and full metal shelf support any load in drawers. Plastic feet prevent scratches when standing, and secure multiple stacking. Inside drawer size: $13 \times 21 / 2 \times$ 5\%.". Crystal-clear drawers. Feature safety stop and safe-grip-handle safety stop and safe-grip-hande comes with 1 divider per drawer
and index cards. Bahed enamel finish. Imported. Shpg. wt. $111 / 2$ lbs. 13 P 77506 W .................Net 11.95

## RAACO 30 ORAWER COMBINATION PARTS CABINET

1195

- 3 Drawer Sizes
- Welded Steel Frame
- Double Baked Finish

Practical 3-in-1 design incorporates 3 drawer sizes in 1 cabinet to save workshop space and increase usefulness. 30 clear plastic drawers. Heavy gauge, welded steel frame with steel shelf supports. Cabinets can be stacked or wall mounted, Plastic feet for easy stacking and to avoid scratching. Complete with dividers and index cards. aty, and sizes of drawers: 24-130 $\times 21 / 2 \times 5 \%$. $4-$

 ShpR. Wt., $111 / 2$ los
13 P 77035 W
Net 11.95
RAACO 25 ORAWER PARTS CABINET


For home, office, shop. Heavy gauge welded steel frame cabinel holds dorens of items, Rugged cabinet can be stacked or wall mounted. Plastic leet prevent scratching. Drawers have easy.grip handle, dividers, labels, and label holders. Baked-on hammertone finish. Drawer size: 2 W $\times 11 / 20 \times 51 / 2^{\prime \prime}$. Cabinet size: $9 \% x$ $121 / 4 \times 61 / 4 " \mathrm{D}$. Shpg, wt., 5 lbs . 13 P 77027 W

Net 5.40

AKRC-MILS 36 DRAWER CABINET
 95


- For Home-OHfice-Shop
- Sturdy Steel Frame
- with Dividers and Labels

Versatile 36 drawer steel frame cabinet. Has carrying handle for easy portabillty or can be stached when more drawers are needed. Drawers have safety tabs to prevent accidental spilling when cabinet is tilted. Easily wall mounted for saving workbench space. See-thru drawers measure $23 / 4 \mathrm{~W} \times 54 \mathrm{~L} x$ $11 / 4 " H$, perfect for small parts, screws, etc. Sturdily built with steel sides and back wall. Complete with label and dividers. Size: $13 x$ $61 / 2 \times 131 / 2{ }^{\prime \prime} \mathrm{H}$. Shigg. wt., 9 lbs. 13 P76292w ...............Net B.95
AKRO-MILS PORTABLE 15 ORAWER STORAGE CABINET


## - All Steel Frame

Model 11-615. Ideal storage unit for hobbyist or handyman. All steel uni tized frame $10 \times 8 \times 6^{\circ \prime}$. Compact ye holds many ltems in easy to locate fashion in 15 "see-thru" drawers $21 / 4 \times 114 \times 544^{\prime \prime}$. Unbreahable tote. hande. Metallic blue baked ename: finish. With drawer dividers and labels Shpr. wit. 41,4 los.
13 P 76250
Net 3.59

## AKRO.MILS 16 DEEP DRAWER UTILITY CABINET

## - Deep Drawers

Model 11-216. Charcoal hammertone welded steel heavy duty $9^{\prime \prime} \mathrm{H} \times 13^{\prime \prime} \mathrm{Wx}$ $6^{\circ " D}$ frame with 16 extra deep $23 / 4^{\prime x}$ 2"x534" "see-thru" drawers. Baked enamel finish cannot chip or peel Can be stacked for more compac arrangement. Adjustable dividers and labels included. Suitable any where from office desk to work bench. Shpg. wt. 634 lbs
13 P76193W
Net 5.95
AKRO MILS PORTABLE LOCKING CABINET


Model $11-463$ for secure storage of medicines, tools, small easily lost parts. Chip-proof welded steel frame provides for safe storage and transport. Locking steel door prevents theft and spiling. Keyhole slots for hanging. 12 drawers $11 / 4 * \times 23 /$ " $^{\prime \prime} \times 53 / 4^{*} 1$ jumbo drawer $21 / 2^{\prime \prime} \times 8^{3} / 4^{\prime \prime}$. Overall size $10^{\circ} \times 9^{\circ} \times 6^{\circ}$ with carrying handle. Adjustable dividers and labels. Shpg. wt., 51/2 lbs.
13 P 76219 W
Net 5.95

## AKRO-MILS MODULAR STORAGE CABINETS

- Complete With Labels and Dividers
- Welded Steel Frame - See-Thru Orawers
- Charcoal Grey Hammertone Finish
- For The Home-Hobby-Business
- All Cabinets Preassembled, Ready-to.Use
- Can Be Stacked-Added to-Changed-ArrangedRearranged
(A) MODEL 17-136, 36 compact drawers. Drawer size: $27 / 4 \mathrm{~W} \times 5 \% \mathrm{hl}$

$$
\begin{aligned}
& \text { x } 11 / 4 \mathrm{H}^{\prime} \text { Cabinet size: } 18 \mathrm{~W} \times 6 \mathrm{~L} \times 91 / 2^{\wedge} \mathrm{H} \text {. Shpg. wt., } 11 \mathrm{lbs} \text {. } \\
& 13 \mathrm{P} 76102 \mathrm{~W}
\end{aligned}
$$

(A) $14^{99}$

(B)

# DYNAMIC ARC Welding Outfit 



$74^{95}$- 4 Heat Settings Range From 20-80 Amps.

Weld, cut, solder, and braze easily with this rugged, portable unit. Handle ko" to $1 /{ }^{*}$ electrodes on iron, steel, brass, bronze and most other metals. A heat settings range from 20 to 80 Amps. Precislon built heavyduty transformer. Includes fiberglas welding heimet, ground cable with clamp, elec. trode holder, and assorted electrodes. Single phase A.C. $110 V_{0}, 50 / 60 \mathrm{~Hz} .28$ Amps. Input ( 30 Amp. fuse) all steel baked enamel cabinet size: $93 / 49 \times 121 / 4$. Shpg. wt. 34 lbs . 13 P 20555 W


# 39 

No Money Down ${ }^{-}$Volt 15 Amp Line

It cuts, welds, heats, brazes and solders, and operates on regular household current. Industrial type transformer. 2 heat settings; low for sheet metal welding and brazing: high for heavier worh up to ks. $^{\text {. All steel }}$ cabinet has 2 -tone finish. Includes: detachable heasy duty welding cables; full face mask, ground clamp. welding and brazing rods, fluz, solder and instruction book. For 115 V 13 Amps. Shpg. Wt., 18 lbs.
13 P 20563

| PORTABLE | MARK |
| :--- | :---: |
| ELECTRIC | 35 |
| ARCWELDER |  |

$19^{95}$
on 110 Volt Line

Practical, dependable unit that produces protessional welding-Save lime, money by mating your own repairs. Cuts and welds up $1 / /^{*}$ metals with $1 / \mathbf{b}^{\prime \prime}$ welding rods and t. ${ }^{-}$carbon. Completely portable. Simple in. struction explains how to make spot repairs Weld-braze-solder-cut on most metals. ldeal for use around home-shop-farm-even-repair auto bodies. Includes welding and carbon rods. Protective mask. holders, 10 ft. M.D. cables, ground clamp, brazing rods, flux, solder and instruction manual. For 115 V AC or DC. Fused for 30 amps. Shpg. wt., 71 is lbs. 13 P 20548

## S1L1 1 SV SOLID OXYGEN PORTABLE WELDING TORCH KIT <br> Braze-Weld-Silver Solder

- Generates $5000^{\circ}$ Flame
- Cuts 5/8" Bolts
- Lightweight-Completely Portable

Accessories
General Purpose Solidox Replacement Petlets.
Phg. of 12 . Approximately 75 mins. burning
time. Shpt. wt. $21 / 2 \mathrm{sbs}$.
14 p $50519 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . ~$
14 P 50519 ................................Net 2.50
orygen Rich Solidox Pellets. Pkg. of 12. (Recommended for cutting). Approximate burning time: 75 mins. Shpg. wi., $21 / 2$ lbs, 14 P 50527

Net 2.95

Simple. Safe and Economical welding torch enables you to Braze, Weld, and Sliver solder with Professional results. SOLIDOX uses orygen pellets combined with propane, to create tempera. fures exceeding $5000^{\circ}$. Simple single valve control has no regulators to adjust. Heavy duty brass fittings resist wear and insure long life. Its compact lightweight (7 ibs.) design allows you to work in places inaccessible to conventional welding systems. Ideal for Home, Farm, Business, Hobbywork, or 8 oats. Kit includes torch with propane cylinder, 2 tips. SDIIDOX pelfets (Approximately 100 minutes burning time), safety glasses, igniter, assorted brazing rods. stand, operating instructions, and welding technigues booklet. Shpg. wt., 12 lbs. 14 P 50501w No Money Down*

S-Plece Welding and Brazing Rods. Assorted bronze nickel silver, and aluminum 18" long. Shpg. wh, 602.
14 P 50543
Replacement 14 oz. Propane Cylinder.
13 P 26511 Shpg. wt., 21/4 los. Net 1.49

## Turner <br> BLOW-TORCH KIT

Everything the home handyman needs to sweat fittings, solder and bend metal. AH brass torch with improved pencil point Durner assembly, heavy duty burner tip for larger llame, chisel point solder tip. brass llame spread. spark lighter and tank of fuel. Durable steel chest. UL Iisted. $6 \times 101 / 4 \times 3^{\prime \prime}$. Wh.,

## 5 lbs

13 P 26503 . Net 7.95 Super capacity fuel tank. fits all standard propane forches, stoves. lanterns, etc. Shpg. wt., $21 / 4$ lbs. 13 P26511 Net 1.49


MINI-TORCH BLOW TORCH AND SOLDERING KIT


A high heat, $3500^{\circ} \mathrm{F}$, pin-point flame delivers instant power. Unit is $7^{\circ \prime}$ long. Charged by butane cartridge which gives 30 minutes of continuous service. May be turned on or off at any time. Unit weighs approximately 4 oz . Ideal for repairs on wiring -radio.-TV instal. lations-appliances-pipes and plumbing. Complete with 2 chargers, soldering fip and coil of rosin core solder. Shpg. wt., 802. 13 P45016
Extra Chargers. Pkg. of 4. Shpg. wt. 7 oz.
13 P45073

# Soldering Guns-Irons and Aids 



- Features Automatic Thermal Regulation
madel 450 k 4 . Complete soldering kit designed to handle every soidering job from the most delicate printed circuit to rugged sheet metal work. Kit contains Model $45025 / 450$ watt run that automatically regulates heat to suit the job and three interchangeable tips for 2510450 watts of heat power. Complete with solder and convenient carrying-case. UL listed. Shpg. wt., 4 lbs.
13 P 65360
Net 13.95


## LIGHTWEIGHT SOLDERING PISTOL



- Trigger On/Off Switch

WEM 75. A Ifnely balanced soldering pistol for delicate and heavy jobs. Oraws only enough current necessary with ATR-50w surge and 30 w operating produces 100 w heat. Transformer voltage is low for cool handling. 120 V AC. UL Ilsted. Shpg. wt., 14 lbs 13 P 65279
.Net 4.75
Shpg. wt., 3 oz. WEN REPLACEMENT TIPS

| Stock No. | Type | Description | Ket |
| :---: | :---: | :---: | :---: |
| 13 P 65220 | 4577 | 25.100w Tip for 222,450 | 1.39 |
| 13 P 65238 | 45M7 | 100.200w Tip for 222,450 | 1.39 |
| 13 P 65246 | $45 A 7$ | 200.450 w Tip for 450 | 1.39 |
| 13 P 65204 | 75A7 | Std. Tip for 75 | 1.09 |
| 13 P 65212 | 7587 | Fine Tip for 75 | 1.09 |
| 13 P 65295 | 1984 | Repl Tip for 100 | . 49 |
| 13 P 65253 | 45\$7 | Plastic Cutter Altachment for 222 and 450 | . 69 |
| 13 P 65261 | 45P57 | Flat Iron Aftachment for 222 and 450 | . 69 |

## ORTX-TELVAC - 15 W. MINIATURE PLUG-IN SOLDERING IRON

- No Transformer
- Weighs Only 1 oz.


Model 115-15J, 15 watt minature plug-in iron for light production laboratory, and service use. Furnished with $41 / z^{\prime}$ cord. No trans former. Heats quickiy in about one minute to $725^{\circ} \mathrm{F}$. Supplled with \%a" ) tip. Ready to plug in. For $110 \mathrm{~V} \mathrm{AC}$.
13 P 78181 Shpg. wt., 6 oz .
Net 9.95

# Weller Dual-Heat Soldering Guns-Irons 

A As Low As
$6^{6}$

## [A] 100/140 WATT "EXPERT" SOLOERING KIT

- Includes Gun, 3 Tips, Wrench, Flux Brush, Aid Tool, Solder, Sturdy Carry Case Plus Instructions
- Prefocused Spot-Light Illuminates Work
- Dual Heat Gun - UL Listed

MODEL 200.PK. Just the thing for the novice or professional. Compact design and built-in prefocused spotfight eliminates maneuvering difficulties. Break-proof plastic utility case can be used to hold other parts or tools. Weller Expert Soldering Kit features the 8200 gun with exclusive tip Grip which assures constant heat. Dual heat feature glves choice of 100 or 140 watts with the pull of the frigger. Accessorles include 3 durable soidering tips. No changing wrench. nyton flux brush, soldering aid to facilitate difficult connections and all purpose solder. All the items you need for first-class solder connections are packed in a high impact plastic case. UL listed. 13 P 39159 Shpg. wt., 3 lbs.

Net ea. 9.30 Lots of 3

Net ea. 7.95

## [B] 100/140 WATT OUAL-HEAT GUN

Model 8200. Qual heat solder gun only. featured in above hit. Includes 11 D . instruction book. 120 VAC 60 Hz . UL listed. 13 P 39142 Shpg. wt., 274 lbs.

Net ea. 7.65 Lots of 3

PROFESSIONAL SOLOERING IRONS

Professional lightweight soldering Iron designed for miniature soldering. kit bullding and production work. Exiremely rugred stainless steel barrel construction. Long life Industrial grade double coated tlps. High efficiency. Popular pencil styling. Only $77_{8}{ }^{*}$ Iong: 13 m ol . Complete with tip and 2 wire cord. For 120 Volts, 60 Hz AC , Shpg. wt. 802.


MICROFLAME BRAZING ROO KIT


## [C] $240 / 325$ WATT HEAVY DUTY SOLDERING KIT

MODEL 0.550 PK. A Professionaf Heavy Duty soldering Kit featuring the dual-heat $240 / 325$ walt weller gun. Everything needed for hundreds of applications in Hobbies, Shop work, Household repairs. Case can be used as 1001 kit lunch box or tackle box. Kit contains $\mathbf{0 . 5 5 0}$ Solder gun. All purpose solder. Cutting Tip. Soldering Tip. Smoothing Tip. Tip Changing Wrench and instuction Booklet. Replacement and accessory tips are available at low cost to fil special applications. Entire hit is enclosed in a high impact plastic case with carrying handle. UL listed. Shpg. wt., 4 liz lbs.

## 13 P 39183

Net ea. 14.95
Lots of 3 Net ea. 13.45
Model 0.550. 240/325-Watt Heavy Duty Soldering Gun. UL listed Shig. wt. 4 lbs.

Net ea. 12.30
13 P 39175
Net ea. 11.05
Lots of 3

## [D] $145 / 210$ WATt PROFESSIONAL SOLOERING GUN <br> MODEL Du440. New High Wattare. Juns-these latest professional

 Model Soldering guns have everything! Increased watlage--dual spot. lites-rugged plastic case-featherweight balance. Come equipped with cord, plus and one tip. for 110.120 volts, 60 Hz , AC. Model D. 440 . Dual.heat type. $145 / 210$ watts. UL listed. Shpg. wt. $4 \mathrm{~V} / \mathrm{lbs}$. 13 P 39167Nel ea. 11.45 Lots of 3

Netea. 10.30

## WELLER REPLACEMENT TIPS \& PARTS

Stock No. Type Description Avg. shpg. wi., 3 oz. Net

13 P 391917300 Copper Tlp. pkg. of 2. for B, S-107. D. 207 . 79
13 P 392098125 Plated Tip. phg. of 2, for 8200. 81008
13 P 3217 812 RN Fip Nuts with Tip for 8200. 81008
13 P 392257135 Copper Tip, phg. of 2, D-440, 8100. 8200 .. .79 13 P 392257135 Copperts with Tip for D.440, $8100,8200 \ldots . .79$
13 P 392417250 Copper Tip, phg, of 2 for S.500, D.550, 8250A 79 13 P 39258 7250N Tip Nuts with Tip. S-500, 0.550, 8250A ....... 79 $\begin{array}{llll}13 P 39274 \\ 1310 & \text { Cutting Tip for } 0.440,8100.8200,81001 & .79 \\ 13\end{array}$ $\begin{array}{lll}13 \text { P } 392826120 & \text { Smoothing Tip for D.440, 8100. B8200 } \\ 13 \text { P } 39290 \\ 13 & \text { Culting Tip for D-550.8250A }\end{array}$ 13 P 393086140 Smoothing Tip for D.550, 8250A
13 P 393167323 Switch for all Single. Heat Models $\quad 1.20$

13 P 393247324 Switch for all Dual-Heat Models .. 1.20
13 P 39423 ST-1 h." Screwdriver Tip for WPS .... 1.05 13 P 39431 ST.2


## SOLOERING IRON KIT



$4^{10}$
-Develops $750^{\circ}$
Tip Temperature

Model SP-23-K perfect iron for hobbyist and professional. Pencil tips permit accurate soldering of connections or joints. Kit containsi 25 watt tron: 5 tt. 60/40 Rosin core solder; 3 pre-tinned plated copper tips; solder aid tool and instructions.
13 P 39456 Shpg. wt., $\mathbf{v}_{4} \mathrm{lb}$.... Net 4.40 Model SP- 2325 Watt Soldering Pencll 13 P 39464 Shpg. wt., 1/2 lb...Net 2.95 Cone shape tips for SP- 23 Iron. 13 P 39548 ( ak of 2)

## Standard Line Soldering Tools

## I77 CLEAN. RODM SOLOERING HANDLE

## $2^{07}$

- Fatigue-free, Pastel Colored - Convection Cooled Polypropylene Grip
777 pencll-type irons sport a cool-to-hold grip! Spring sockets accept a wide range of thread-in elements, tips and tiplets, give you the right tip and the right temperature. For exacting work on miniature, sub-minia*ure and printed circuits. Full length insulated cord. UL listed. $5^{\prime \prime}$ long. Shpg. wt., 6 oz.


For use interchangeably with any tiplet ex. cep1 for 800 and $\uparrow$ for 100 series only Iron base, sliver plated. Av. shpg. wt. 4 oz. For $120 \mathrm{~V}, \mathrm{AC}-\mathrm{OC}$.

|  |  |  | Net Each |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Stoch } \\ & \text { Mo. } \end{aligned}$ | Type | Descriplion | Fig. $1-$ | $\begin{aligned} & 10 . \\ & 49 \end{aligned}$ | $\begin{aligned} & 50 \\ & \text { Up } \end{aligned}$ |
| 13P21405 | 4045 ${ }^{\circ}$ | Super Heat $850^{\circ} 50 \mathrm{~W}$ | 13.7 | 3.0 | 2.81 |
| 13 P 21413 | 4035 | Super Meat $850^{\circ} 50 \mathrm{~W}$ | $13 .$ |  | 2.81 |
| ¢3P21421 |  | High-speed $900^{\circ} 50 \mathrm{w}$ | $2$ |  |  |
| 13P21439 | 1235 | H3-Heat $750^{\circ} 42 \mathrm{~W}$ | ${ }^{1} 2.5$ |  | 4 |
| $13 P 21447$ | 535 | Standard <br> $650^{\circ}$ 27 w | $1$ |  | . 33 |
| $13 P 21454$ | $1237+$ | Hi-Speed $900^{\circ} 42 \mathrm{~W}$ | 22.58 | 2.12 | 1.94 |



\author{

- Complete with Handle, <br> $42 \mathrm{~W}, 120 \mathrm{~V}$. Heating Unit, 3 Tips,
}

Worthy soldering package for electronic assembly and service. Features perfect balance handle with "Cleani-Cool" grip. 1237 heating unit. 3 interchangeable thread-on-copper tips. UL listed. Shpg. wt., 10 oz . 13 P 21900
$1-5$, Net each 6.13
6-up 5.04

## ELEMENT UNITS with TIPS

 temperature. 50 watts for heavy duty use. Tellurtum copper base, plated with iron and pure silver. For $120 \mathrm{v}, \mathrm{AC}-\mathrm{DC}$. Av. Shpg. wt., 402.

|  |  | Nef Each |  |  |
| :--- | :--- | :--- | :--- | :---: |
| Stock |  |  |  |  |
| No. | Type Descrip. Fig. | 10- | $50-$ |  |

13 P $214624033 \mathrm{Y} / \mathrm{a}^{\prime \prime}$ Chisel 13.753 .082 .81 13 P 214704036 Pyramid K 3.753 .082 .81 13 P $21488 \quad 4039{ }^{\prime 2}{ }^{\prime \prime}$ Chisel $L 3.753 .082 .81$
1200 Series, Hi-Heat. $750^{\circ} .800^{\circ}$ F tip temperature. 42 watts for medium duty use. Silverplated solid Armco pure Iron, © Copper tip. For $120 \mathrm{~V}, \mathrm{AC}-0 \mathrm{C}$. Av. shpg. wt., 4 oz .

|  |  | Met Each |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Slock |  |  |  |  |  |
| No. Type Descrip. Fig. | 9 | $10-1$ | $50-$ |  |  |


$13 P 21496 \quad 1233^{*} Y_{4}{ }^{\text {n }}$ Chisel $12.58 \quad 2.121 .94$ 13 P 215041236 Pyramid $K 2.582 .121 .94$ | 13 P 215121239 | 34 | Chisel L 2.58 | 2.121 .94 |
| :--- | :--- | :--- | :--- |

800 Series, Standard. $650^{\circ}-750^{\circ}$ F lip temperature. 27 watts for general purpose use. Tellurium capper tip. Far 120 y , AC-OC. Av. stppo.vet., 40 O .

|  |  |  |
| :---: | :---: | :---: |
| Stock Mo. | Type | De |

13 P 21520533 U/4"Chisel \& 1.781 .471 .33 13 P 21538536 Pyramid $K \quad 1.781 .471 .33$ 13 P 21546539 t "Chisel $L \quad 1.781 .471 .33$
 trol for tast $500^{\circ}$ or $900^{\circ}$ heat at the fllck of a switch. No changing elements necessary. Designed for solid state kit construction, servicing and the professional. No bulky, heavy transformers to cause fattgue and get in the way. Electrically isolated tip for safe, damagetree soldering of IC's and FET's. With pyramid tip. Rated 220 watts, 120 VAC. Grounded cord set. UL IIsted. Shpg. wt., $11 / 4 \mathrm{lbs}$.

13 P 20829
Net ea. $\begin{gathered}10.95\end{gathered}$
13 P 20837 Replacement Tip 6755 (long chisel) 13 P 20845 Replacement Tip 6753 (short chisel) 13 P 20852 Replacement Tip 6754 (pyramid)
$\begin{array}{ll}4.11 & 12-4 p \\ 9.95 & 8.95\end{array}$ Net 8.9 Nel . 43

- One-hand Operation
- Hot-Vac Melts, Removes Solder
- De-solders, Cleans Printed Circuits

Vacuum action lifts solder from board for easy removal of components. Special tip coating prevents solder from sticking. Handle stays cool. Wi., 10 oz.

| Stack Mo. |  | 1.5 | 6.11 | 12-4p |
| :---: | :---: | :---: | :---: | :---: |
| 13P21850 | Net ea. | 14.25 | 11.71 | 10.68 |
| 13 P 21959 | Replacement tip | for above |  | Net 1.30 |



## UNGAR KLEEN TIP \#400

 Effective for removing oxidation and cleaning soldering tips. Clean tips last twice as long! With phenolic tray, two specially processed sponges and bracket for attaching 13P21819 Refill sponge for above. 13 P 21975 Net 1.35 Net .53 You Can Depent On Lafayette For Onality Tenls-Low Prices

SOLDERING IRON
HOLDER
Altache easily to top or underside of bench, or to wall. Angle adjusis to your contentence. Shpg. wt., 10 oz

13 P 21157 \# 6800 For Imperial Line 13 P $21165 \$ 8000$ For Standard Line | Wet | 1.9 | 10.49 | 50 up |
| :--- | ---: | ---: | ---: |
| Each | 2.35 | 1.90 | 1.76 | Ungar $\begin{aligned} & \text { 3.WIRE 45-WATT } \\ & \text { SOLOERIGG IRON }\end{aligned}$ $\ldots 5$

- Ideal where 3.Wire Grounding Is Required
Model 145. Compact. Iightweight 3 -wire soldering fron is perfect for use by elec. tronic assemblers, repairmen, hobbyists. 3-prong plug grounds soldering tip, virtually elliminates static which may damage sensitive FIT's. IC's efc. Can be used with more than $40-K_{0}{ }^{\prime \prime}, W_{4}$ " thread-in, and $1 /{ }^{\prime \prime}$ thread on tips, tiplets, nibs and de-soldering tips. Integrated cool grip handle has rollproof octagonal grip. Flexible power cord. Meets milltary, NASA, and other government contractor standards. Tip temp. $900-1,000^{\circ}$ F.. 120 V AC. 45 watts. Less tip. Shpg. wt., 1 lb .

| Stock No. | 1.9 | 10.49 | 50 up |
| :--- | :---: | :---: | :---: |
| 13 P 20860 | Nei | 5.59 | 4.95 |
| P0r | 4.44 |  |  |

For tips. See facing page. Use with Ilplets and Minitips $\Rightarrow$ PL-100 and 300 series will fll.

40\% tin compound of $40 \%$ tin and $60 \%$ lead with evenly distributed and tree-flowing flux. Shpg. Wt.. 1 02. spool, 402.11 ib .5 spools $14 / 2$ los.

KESTER "44" RESIN CORE SOLOER 14 P 32012 K" Dle - 1 oz. Sp. Net . 39 14 P $32020 \%{ }^{\prime \prime}$ Dia.-1 ib. Sp. Net 2.09 14 P 32046 K" Dia.- 1 ID . Sp. Net 2.19

KESTER " 44 " RESIN CORE SOLOER $50 \%$ tin and $50 \%$ lead
14 P $32111 K_{4}$ *Dia.-1 1b. Sp. Net 2.59 mester pastie flux
14 P 321372 oz. can.
Net 29

## ERSIN MULTICORE SOLOER

5-core construction assures constant maximum flux. Fast melting, non-corrosive, nonsticky, non-toxic. 1-lb. packs in carton and skin wrap for utmost protection, non-oxidation. Shpg. wt.t i lo spools $1{ }^{1 / 2} \mathrm{l}$ los.

$40 \%$ TIM $60 \%$ LEAO $=16$ GAUCE 14 P 35015 l lb. spool $60 \%$ T/M, $40 \%$ LEAO $=16$ GAUCE 14 P 35031 1 lb. spool $60 \%$ TIN, $40 \%$ LEAO, स13 GAUGE 60\% TN, 40\% LEA, =1a 14 P 35056 I 16. Spool
DISPENSER PAKS: In flameproof Net 2.99 Net 3.74

Net 3.81 tubes 60 , $40 \%$ Shp aluminum 14 P 35072 , 8 \% lead. Shpg. Wt., ${ }^{4} 02$. Extra 3501218 gauge, 14 Ft . 14 P 35080
(B)

## HEAT CAPSULES

For use with Princess miniature soldering irons. Heat ranges from $400^{\circ} \mathrm{F}$ ( 6 watts) to $1000^{\circ}$ ( 18 watts). Shpg. wt. 301.

| stoch Wo. | Model | Tip Temperature | Watts |
| :---: | :---: | :---: | :---: |
| 13P21934 | 6910 | $550^{\circ} \mathrm{F}$ to $6500^{\circ} \mathrm{F}$ | 10 |
| 13 P 21892 | 6915 | $700^{\circ} \mathrm{F}$ to $800^{\circ} \mathrm{F}$ | 15 |
| 13 P 21942 | 6918 | $900^{\circ} \mathrm{F}$ to $1000^{\circ} \mathrm{F}$ | 18 |
|  | Net exch |  |  |
| 1.9 |  | 0.49 | 50.40 |
| 5.11 |  | 4.44 | 3.93 |

See Facing Page For Listing Under Tiplets And Minitips. FP 300 And 300 Serles Will Fit Princess Meat Capsules.

## BEAU-TECH SOLDERING AIDS

## - $60 \%$ TIN - $40 \%$ LEAD

Hard-chrome plated tips to shed solder with both ends insulated from one another. Spade end for scraping joints, connections or reaming out lug holes. Shpe. wt., 3 oz.

## Stack No.

Net ea.
14P 24019 Printed Circuil-Straight Tip 1.05 14 P 24027 Printed Circuit-Angled Tip 1.05 14 P 24035 Printed Circuit-Scraper Tip 1.05 14 P 24043 Stralght Tip 14 P 24050 Angled Tip
SPYRALINE PRINTEO CIRCUIT TOUCH UP soloen designed for a fast bond without overheating. Melting range of $240^{\circ}-320^{\circ} \mathrm{F}$ : for low wattage soldering iron. Safe for silver, ceramics and transistors. Shpr. Wh. 402.

14P39066 Net ea. 89 Lots of 3.79 ed. PRINT-ROTE SOLOER. Non-corrosive flux with low melting solder combined with pure silver. $40 z$.. coil. Shpg. wt., $40 z$. 13 P 60098 GC 9131

Net 70

## SOLOER ANO FLUX <br> Ayailable For: <br> Silver <br> Aluminum <br> Stainless Steel



Solder and flux kit. Silver solder $\mathrm{Kag}^{\circ}$ dia. $60^{\circ}$ coll. Aluminum and stainless steel $\mathrm{Ko}_{4}$ "
dia., $100^{\circ}$ coll. Shpg. wt., 4 oz.
14 户े 39074 Silver
14 P 39074 Silver
14 P 39090 Stainless Steel
Net 1.49
Net. 69

## SPYRALINE SOLOER

11 it. of high quality $1 / \mathrm{to}^{\prime \prime} 60 / 40$ activated resin core solder in handy dispenser. Container is non flammable-affords Insulation when working on a "hot" circuit. Eliminates waste-pull out oniy what you need. Keeps solder clean and unsnarled. Shpg. Wt., 402. solder clean and unsnarled. Singly, Ea. 79 Lots of 3.69 ea


Made of polished nickei-plated spring steel. Self-closing Type. 61/2" long, with blunt points. Shpe. wt., 3 oz. 13 P 60858 (A)

Net .99 Heavy-Duty Type, $61 / 2^{\prime \prime}$ long, with slide lock and blunt points 13 P 60866 (B)
$4 y_{2}^{\prime \prime}$ L. Pointed
Net 1.10 Precision Type. $4 y_{2 \prime \prime}^{\prime \prime}$ L. Pointed. 13 P 60874 (C) All 3 above in leatherette case. 13 P 60882

Net 75
Net 2.95

## "SAL-MET" FLUX

Non-corrosive flux for all metals-copper to aluminum; aluminum to aluminum, copper to steel, etc. Packed in 1 oz. tubes. Shpg-wt., 301. 14 P 49016

# G.C. Alignment Tools And Service Aids 


universal alignment tool kit


A handy all-purpose kit in a convenient vinyl pouch. Kit contains 6 basic essential toois from $4 y_{4 " \prime}^{\prime \prime}$ to $7^{\circ} \mathrm{L}$, with 12 serviceable sides that will service the majority of TV sets. FM, AM CB. HAM instruments, efc. Shpg. wt., 402 . 12 P 30028

Net 2.39

## LOCKING FORCEPS



All stainless steel $51 / 2{ }^{-0}$ long. They have unusuat holding qualities necessary in many servicing siluations. Shpg. wt., 40 oz .
14 P 23011 Straight Nose ........Net 3.19
14 P 23029 Curved Nose .........Net 3.19

## SEVEN PIECE LUBRICANT KIT

 FOR HOME AND SHOP

Seven different lubricants in a colorful kit for home and shop. Kit stands or hangs. The right lubricant for every iob. White Grease All-Purpose Dil-Graphite Powder -Dry White Lubricant-Liquid GraphitePenetrating Dil-Silicone Grease Stick. Shpg. wt., 1 lb .
13 P 37500
..Net 2.39


REPAIR CRADLE $5^{95}$
G.C. "Quick-Rig'" makes radio repair work quick and easy. Complete $360^{\circ}$ rotation permits you to lock the chassis at the best working angle, clamps chassis securely and ellminates make shift setups. All metal, sfurdy construction. Adjustable width for different sizes of turntables, etc. Shpr. wt.. $41 / 4 \mathrm{lbs}$.

## 13 P 60890

## ILLUMINATED MIRROR

Battery powered, inspecting tool with in. sulated shaft. Locking switch for on-off and one-hand operation. Whth butb but less batteries. $121 / 4$ "" long. Shpr, wt. 502. 13 P 60825
above. (2 Required.)
Batteries for
...Net 2.50 99 P 62580 Net ea. . 10


Made of metal shaft with $1^{\text {re }}$ dla. glass mirror and plastic handle, Length $77 / \mathrm{s}^{\prime \prime}$. Shpr. wt, 30 oz.
13 P60148 .....................................Net. 50


## CHEMICALS

## As Low As O?C

Pilobond Cement. Sticks anvthina to any thing. Dries rapidly
waterpruof-very high strength. Shpg. wt., 701
13 P 609732 ozs.
Net .60
Red-x Corona Dope. Prevents corona shorts in Hi-Voltare circuits. Flexible-fast dryine 13 P 609812 02. Shpg, wt., 7 oz. Net . 85 Electronic Contact Cleaner. New red cleaner, made with DE-OX-10. Fast drying-universai contact cleaner. Shpg. wt., 7 oz .
13 P 610132 oz .
....Net . 65
Service Cement. For repairing speakers and general radio work. Vibration-proof, water. proof-last drying.

## 695 <br> G. C. STANDARD T.V. ALIGNMENT TOOL KIT

Model 8455. Contains nine essential tools roll-type case: TV K-tran, TV channel tool, TV short tool for RF and If, TV core allgner, TV universal aligner. TV oscillator tool, TV iong reach aligner, TV duplex aligner, TV flex, tuning wand. A quality kif-made to last and wear. Complete with case.
13 P 60817 Shpg. wt., $80^{\circ} \mathrm{zz}$.....Net 6.95
COLOR T.V. ALIGNMENT TOOL KIT
Model 8454 Five dlfferent alignment tools for all standard adjustments in color IV. Made of nalural Delrin? for extra durability. Includes "Extend-1f" which makes each tool a long reach aligner. Each tool is color coded for easy identification. Packed in vinyl pocket saver.
13 P 61203 Shpg. wt., 4 oz . Net 2.49

## CB ALIGNMENT TOOL KIT

- A Must For Every CB Owner Or Repairman
Model 9210 Nine precision adjustment tools for funing if transformers, RF colls, antennas, oscillator coils plus countless other fine Intricate adjustments. Packaged in a durable plastic carrying case. Shpg. wt., $40 \%$.
13 P 61237
Net 4.89
 stays clear, tough, pliable, lasting. Prevents deterioration and moisture breakdown of insulation. Preserves and protects. 1 Pint Can. Shpg. wt., $11 / 2$ lbs.

13 P14673 Net 1.69
Lots of $3 \quad 1.49 \mathrm{ea}$.
ECCOBOND 26 EPOXY ADHESIVE


Handiest bonding agent ever for the lab bench or production line. Repairs tools, hardware, furniture, boats. Features permanent adhesion to metals, plastics, paper, ceramics, elc. Cures In four hours at room temperature-in minutes at 150 F. Can be sanded or worked-takes paint readily. White color. Mixes easlly. Shpg. wt., 8 ozs.
14 P 51053
Net 1.95

## CORD STRAIN RELIEFS



Package of 5 rubber cord strain reliefs pre. vents all standard line cords from pulling loose. Fits $3 \mathbf{3}^{\mathbf{\prime \prime}}$ holes for permanent or temporary installations. Imported. Shpr. wt., 202. 99P62747 Net. 39


Has mechanical fingers that will pick-up and hold screws, nuts, and bolts. Just press button to open, release button to close. Flexible shaft. Shpz wt., 7 oz .
13 P 55551
Net . 99

# Waldom Solderless Terminals and Connectors 

SOLDERLESS TERMINALS. CONNECTOR ASSORTMENT WITH CRIMPING TOOLS

Highest quallity terminals made of pure copper, electrotin photed. insulated types have permanently attached rigid vinyl sleeves. Crimp on rapidly and make positive, uniformiy reliable connections. Column headed "type": ST is Spade Tontive; MT is Hoon Tongue; FS is Flang. ed Spade; RT is Rin Tongue; BC is Butt Connecfor flength of noninsulated Ko". insulated ' $\mathrm{K}_{0}{ }^{\circ}$ ); QOM is Ouich Disconnect Male; ODF Is Quick Disconnect Female; Ni is Nylon Insulated Closed End Connector. Ave. shpg. wt., 10 oz .

 15 13 P 739841.09

NON.IMSULATED TYPE TERMIMAL ASSORT MEMT. Contains 215 ring, spade, flanged spade, hook, quick oisconnect terminals and butt connectors in wire ranges $22-18$ through 12-10, plus Universal Crimping Tool in plas. tic box. Shpg. wt., 2y/4 lbs. 13 P 43011 $\qquad$ Net 12.65 INSULATEO TYPE TERMIMAL ASSORTMENT, Contains 138 ring, spade, flanged spade, quich disconnect terminals and butt and closed-end connectors in wire ranges from 22-18 through 12-10, plus Universal Crimping Tool in plastic box. Shpg. wt., $2 \frac{1}{2}$ los.
13 P 43029 .......................Net 14.35


| Stock Mo. | sle | 0 Oty. | Net |
| :---: | :---: | :---: | :---: |
| 13 P 43912 | 4" | 25 | . 58 |
| 13 P 43920 | K。" | 20 | . 59 |
| 13 P 43938 | 1/a" | 18 | 59 |
| 13 P 43946 | ${ }_{60}{ }^{\prime \prime}$ | 15 | 58 |
| 13 P 43953 | \%" | 15 | . 51 |
| 13 P 43961 | *" | 10 | 59 |
| 13 P 43979 | 5/' | 4 | . 59 |

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| $13 P 43987$ | 2 | 6 | 45 | .59 |
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| $13 P 43995$ | 2 | 58 | 45 | .59 |
| $13 P 43417$ | 3 | $F 6$ | 45 | .59 |
| $13 P 43425$ | 3 | 18 | 45 | .59 |


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| :---: | :---: | :---: |
| 13 P 42518 Assortment | 20 | . 59 |



SELF.TAPPING SHEET METAL RIT
Contains balanced assortment of plated self. tapping, slotted hex head sheet metal screws in sizes: $4 \times 3{ }^{\prime \prime}, 46 \times 1 / 4^{\prime \prime} .6 \times 1 / 2^{\prime \prime}$. 6 $\times 7 / \mathrm{m}^{\prime \prime}$. $18 \times \mathrm{Van}^{-}, 8 \times 2 \mathrm{~h}^{\prime \prime}, 8 \times 12^{\prime \prime}$. and \% $8 \times{ }^{\prime \prime}$. Total of 165 pleces in handy compartmented plastic box with minged cover. 13 P 73190 Shpg. wt., $7 / 4 \mathrm{lb} . .$. Net 1.95


MACHINE SCREWS, NUTS AND ShEET METAL SCREW KIT
Packet as above, Contains round-head steel plated machine screws in sizes: $4-40 x \mathrm{x} / \mathrm{s}$ $6 / 32 \times 1 / 4,6 / 32 \times 3 / 4,8 / 32 \times 1 / 2$, sheet metal screws. \#6 x x/2 and assortment of nuts. Total 265 pleces. Shpg. wt. 1/4 lb. 13 P 73208

Net 1.95
BIMOER NEAD ASST.
Same as above but machine screws have blinder heads.
13 P 13216 Shpg. wt., $7 / 4 \mathrm{Ib}, \ldots$. Net 1.95
WOOO SCREW WIT
In same handy box. Contains assortment of 131 round head and flat head plated wood screws in 8 sizes for 4,6 and 8 holes.



## 1 Hb . MIXED HARDWARE ASSORTMENT

## - In Handy Sturdy Plastic Box

An excellent assortment of popular hardware items for sorviceman, hobbyist, or any homeowner, Provides the parts for an unilmited number of repair jobs. Packaged in a handy plastic box. 13 P 61245 Shpg. Wt., 1 13/4 Ibs.

Net 1.39

## waldorn CRIMPING TOOL WITH BOLT CUTTER



- Crimps Insulated and Non-Insulated Terminals
- Cuts and Strips Wire, and Cuts Bolts

Malie connections fast without soldering. Cuts and strips wire 22 to 10 gange. Wire cutter at tip for close work. Crimps both in. sulated and non-insulated terminals. Bolt slicer accommodates 6 sizes of bolts, 4-40, $5-40,6-32$. 8.32, $10-32$ and 10-24. Black oxide finish for besuty and durability. Insulated handes.
13 P 44001 Shpg. wt., $1 / 4$ Ib. ... Net 5.25

## CRIMPING TOOLS AND TERMINALS



- Wire Cutter. Wire Stripper - Includes Assortment of Terminals
Solderiess terminal crimo tool cuts any size wire up to 10 gauge, strip whe easily. Crimps terminals quichly. Easy to use with Insulated handes. with assorted solderiess terminals and con. nectors. Imported.
13 P 70006 ShDg. wt., 3/4 Ib. Net 2.49


## PRECISION ORER

99 ${ }^{\text {c }}$
$x=x$
Instrument for precision olling. Spout is only $.003^{-}$dia. Made of stainfess steel and butyrato. Filled with clear, non-statning mso chine oli. Can be refliled. Hypo action pre. vents messy, hermful over oiling.
14 P 3106 Shog. wt., 3 oz. ... Net . 99

| Hobby-Tool Kits |  |
| :---: | :---: |
|  |  |

FLEXIBLE SHAFT ATTACHMENT


Operates off any fixed or portable power drill; enables you to drill at any angle anywhere. Capacity up to $1 / 4^{-}$size drills; $3^{\circ "}$ overall length, with chuck. Operates on speeds up to 6000 mpm . Imported. Wt., $11 / 4$ 13 p 56112 Coupler to use with motor below. 12 P64124

Net 3.29

## HOBBY MOTOR

For motorizing hobby tools, dental and jewelers lathes, sewing machines. $1 / 15 \mathrm{~h} . \mathrm{p}$. motor-5000 RPM full load and 15,000 RPM no load speed. CCW rotation lacing shaft end. Steel housing- $31 / 2^{\prime \prime}$ long, less shaft, $21 / 4=\mathrm{H} \times 23 / 4$ "W. Two tapped $10-32$ mounting holes on $2 \% \%^{\circ}$ centers, $1 / 4^{\text {" }}$ shaft, $3.4^{-}$ long. Fan cooled, permanent oillte bearings, and external brush openings. $12^{\prime \prime}$ cord lead. For 117 VAC or DC. Shpg. wt., 2 lbs . 19P24109

Net 7.50
8-PC. BRUSH ANO STONE SET


8 -assorted pleces mounted on $1 / 4$ " or $\frac{123}{}{ }^{\prime \prime}$ shanks. Consists of 3 mounted grinding stones, 2 bristle brushes, 2 wire wheels, and 1 steel bun. ldeal for hobby tools. In handy plastic box. Shpg. wt. 402. 13 P 50024

Net 2.29

## VARIABLE SPEED FOOT CONTROL



- Speed Variable from 0 to Max. Speed of Motor
Regulate the speed of the motor in your sewing machine, hobby tool etc. Handles up to 110 watts. 10 ft . cord with 2 -way outlet for motor and IIght. 1 amp. Shpg. wt., $2 \frac{1}{4}$ lbs.
12 P 54010
Net 3.95



## DREMEL MOTO-TOOL ACCESSORIES

(A) Model 225 Universal Stand. Leaves both hands free for holding the work. Adjusts to hold Molo-Tool at any angle. Quich action clamp for receiving and releasing MotoTool. Heavy cast Iron base
14 P 43092 Shpg. wt., 31/4 tbs. Net 7.95 (B)-Model 229 Router Attachment. Easily mounted on Moto-Tool. Has calibrated depth contrel adjustment for precision routing and shaping. Removable edge guide for free hand and surface routing. Instruction included. Shpg, wt., $11 / 2 \mathrm{lbs}$. 14 P 43159 Net 9.50 HIGH SPEEO STEEL ROUTER BITS No. $6501 / 8^{n}$ Stralght Cutter Bit 14 P 43167 Shpg, wt., 3 oz. No. $6523 / 16^{\circ}$ Straight Cutter Bit 14 P 43175 Shpg, Wt., 3 oz,

Net 2.99 14 P 43183 Shpg. wt., 3 az. No. 610 Convex Edger For Beading 14 P 43191 Shpg. wt., 3 oz. Mo. 632 Veining Bit For Line Work
(B) 14 P 43209 Shpg. wt., 3 oz. ... Net 2.99 Mo. 640 " $\mathrm{V}^{* 1}$ Grooving Bit For Lettering 14 P 43217 Shpg. wt., 3 oz.... Net 2.99

## 12-PC. ROTARY STEEL CUTTER SET



Selected assortment of 12 steef burrs of different shapes. Tempered tool steel for use on metal, plastic or wood. $14^{\prime \prime}$ and $x^{\prime \prime}$ " shanks, in handy plastic bor. Ideal for hoboy tools. Shpg. wt. 3 oz . 13 P 50032

Net 2.49

## 6-PC. MOUNTED STONE SET

duddat
Six assorted grinding stones and wheels. Set of mounted grinding points, stones, and wheels. Mounted on $1 / 8^{\prime \prime}$ and $3 / 32^{*}$ shafts. An ideal accessory for hobby tools. Shpg. wt-, 502.

13 P 50016
Net 1.95


- 5 Basic Powertools In One Compact Unit
- Jig Saw-Disc Sander-Bench Grinder-Buffing Wheel-Flexible Shaft
- Powered By Ball-Bearing 3450 RPM Rotary Motor


## Model 572 Lightweight, compact portable multi-purpose workshop

 with 15" Hg saw. Flexible accessory shaft attaches directiy :o power takeoff from motor for drilling, grinding, routing, sharpening, deburring and carving; has oiltess bronze bearing. instant action wrenchiess chuck, and neoprene cover. Accessories include: $\mathbf{3}$-sanding discs, grinding wheel, eloth buffing wheel, wire brush wheel, wheel guard, mounting bracket, 12 -piece set, and 4 saw blades. U.L. Listed. $117 \mathrm{~V}, 60 \mathrm{~Hz} \mathrm{AC}$. Shpg. wt., 17 lbs . 14 P 43068W
# UNIMAT Miniature Machine Shop 

The ALL-PURPOSE 5-in-1 METAL-MACHINING WORKSHOP

- Precision Metal-Working Lathe
- 11-Speed Ball-Bearing Spindle, Accurate to $1 / 2$ Thousandths
- Turn, Mill, Bore, Saw, Buff, Sand, Polish, Grind-Steel, Aluminum, Brass, Plastic or Wood

SPECIFICATIONS: Complete $5-\mathrm{in}-1$ machine shop small enough to use on a radio serviceman's bench. Designed as a multi-functional power tool. Converts from horizontal lathe to vertical drill press. The changeover causes no wear or loss of accuracy in precision fit parts. The motor-headstock detaches for use as a portable hand drilt, power grinder or buffer. Extra attachments avallable include a very accurate circular saw, saber and lug saw, flexible shaft, lathe bed power feed, threading attachment, precision collets and cufting tools. Belt drive provides 11 speeds ranging from 900 to 7,200 RPM. Motor can also be controfled by rheostat foot switch or SCR power supply.


Includes $1 / 10 \mathrm{HP}$ Brush Type Ian cooled motor, drill press arm, column and hand lever, face plate, lathe dog, grindstone arbor, fool post 2 dead centers, Allen wrench and a spindle return spring. $171 / 2 \times 104 / 2 \times 534^{\prime \prime}$ wood chest. 40 -page manual. For 115 V AC/DC opera. tion. Imported. Shpg. wt. 25 lbs .
14 P 1014 tW

## UNIMAT ATTACHMENTS AND ACCESSORIES

Model DB-1001 3 jaw unlversal lathe chuck with reversing jaws, key and back plate. Shpr. wt., 1 lb.
14 P 10133
Net 29.95
Model D8-1002. 4-jaw independent lathe chuck. Alt 4 jaws reverse and adjust Individually, Capacity $21,4^{" 1}$. Shpg. wt., 1 lb. 14 P 10075 No Money Down* Model DB-1005. 1/40 lacobs type drill chuck and key. 14 P 10158 Shpg. wi., 8 oz . 10 . Net 10.95 Model DB-1210 Milling Table: $5^{\circ} \times 3^{-1}$ with clamps. Shpg. wt., 2144 lbs. 14 P 10026
Model DB-1010 Machine Vise: jaws open 1\%". Mounts cross slide Model DB-1010 Machine Vise:
or mill lable. Shpg. wt., 1 lb. 14 P 10034

Model DB-2820: Set of 6 Lathe Tool Bits.
14 P 10059
Net 17.95
Model DB-2860 Tool Kit: 2 tool blts, 4 drllis, 2 grind wheels, 2 milling cutters, center drill and countersink bits, 2 chisels, boxed. 14 P 10042 Shpg. wt., 1 tb.

Net 24.95
Model DB-1290 Power Feed Attach: 1:50 reduction, feeds .0008" per revolution. Shpg, wt., 474 los.
14 P 10067 No Money Down *
Net 37.50
Model O8-1080 Jik Saw Attach. Cuts to center of $16^{\circ}$ circle. 12 blades Incl. Shpg. wt., 5 lbs.
14 P 10117 No Money Down*
Net 34.95

BVI ELECTRIC PENCIL ENGRAVER


- Writes On Metal-Wood-Plastic Handy, useful . . . mark, identify and engrave names, design decorator effects on luggage tags, toys, sporting goods, tools and kitchen. ware. Automatic with bullt-in mercury switch. You pick it up-it turns on. Put it down and It turns off. Easy as a pencil. Marks won't erase. smear or rub off. Tough hardened steel point vibrates 7200 strokes a minute. Lightweight $7 \times 3 \times 2^{\text {" }} .110$ VAC $50 / 60 \mathrm{~Hz}$ motor. 13 P 80542 Shpg. wt., 10 oz. Net 6.50


A home shop tool that will excite the interest of every home craflsman! Powerful, 3-speed motor provides plenty of drive for every operation... unit changes for any purpose in just seconds. Complete with wood turning chisel, sanding discs, sanding drum discs, 3 sabre saw blades, $45^{\circ}$ adjustable sanding table. Entire unit is mounted on wooden base for easy portability and stability. Lathe has $18^{\prime \prime}$ bed, $4^{\text {" }}$ throat, can be used for spindle or face plate turning. 115 volt, approximately $1 / 3$ h.p. motor, AC only. Output speeds 3,700 , 3,300 and $3,100 \mathrm{rpm}$. With illustrated instruction booklet. Mounted on $32^{\prime \prime} \times 6^{\prime \prime}$ board. Shpg. wt., $171 / 2 \mathrm{lbs}$.
13 P 36502W No Money Down*

Net 31.95

## DREMEL ELECTRIC ENGRAVER

- Writes Like A Pencil
- Calibrated Stroke Adjustment

Model 290 heavy duty engraver provides a fast permanent method of marting all types of materials. High speed reciprocating motor delivers 7,200 strokes a minute with a call. brated adjustment that regulates the depth of engraving from fine tines to deep marks. Engrave steel, brass, aluminum, copper, sit. ver, plastic, ceramic, glass, pewter. Identify dies and molds, shop and garden iools, pro. duction parts, sporting goods, camera equipment, jewelry, etc. Minimize inventory mixups, thelt, and loss. Complete with solld carbide engraving point.
14 P 43142 Shpg. wt., 1 1/2 Ibs. Net 12.95

## BURGESS VIBRO-TOOL KIT

- Versatile Multi-purpose Tool
- Files-Saws-CleansCarves De-burrs-Engraves-Cuts Grooves
- Complete With 8


Performs many operations on nearly any hind of material with its accessorles. Features motor control switch plus dial setting for engraving depth. Heavy-duty 2 -speed motor delivers 3600 and 7200 strokes per minute. Rugged nylon housing. Molded plastic case with accessory storage area. Complete with accessories: Carbide tipped engraving point, knlfe blade, saw blade, half round chisel $1 / 2$ inch lool. half round chisel $1 /{ }^{\prime \prime \prime}$, V-shape chisel. flat edge chisel and abrasive point. Shpg. wt., $21 / \mathrm{lbs}$. 13 P 80575

- Sce Page 23 for Full Details on Easy Pay Plan


## Black a Decker.

## 71/4" CIRCULAR SAW

- Powerful 1 HP Burnout Protected Motor
- Cuts Through 2" Lumber

Powerful general-purpose saw handes the ble jobs. Features a 1 MP 4900 RPM burnout protected motor with a $71 / 4^{\prime \prime}$ blade that cuts through $2^{\prime \prime}$ lumber-even at $45^{\circ}$. Exclusive sawdust election system keeps sawdust away from cutting line for better visibility. Extra-wide blade guard allows a $64 / 2^{\prime \prime}$ blade to be used, If desired. Comes with $74 / 4$ " combination blade. Bevel and depth jdjustments quickly and easily made. Cutting depth: $90^{\circ} 23^{* \prime \prime}, 45^{\circ} 17 / 8^{\prime \prime}$. For 120 VAC, 9 amps. UL Ilsted. Shpg. wt., $137 /$ lbs.
12 P68812
Nel 19.99

## 19

## 71/4" BUILDER'S SAW

- $13 / 4$ HP Burnout Protected Motor
- 5200 RPM No Load Speed 10 Amp Motor
- Safety Switch Button

Model 574. Tackle the "bif" jobs with this dependable 74/4" builders' saw. Reinforced die-cast housing that really stands up. Cuts $2 x$ $4^{\prime} \mathrm{s}$ with ease, at $45^{\circ}$ angle. Easy set bevel and depth adjustments. Safe non-binding blade guard with vari-forque safety clutch. Features safety switch-button must be depressed before saw can be starled. Sawdust ejector keeps your work clean, lets you see what you are doing. $7 \psi_{4}^{\prime \prime}$ combination blade and blade wrench. Powerful $1 \geqslant / 4 \mathrm{HP}$ motor is designed to be trouble free. Cutting depth: $90^{\circ} 21 / \%^{\circ} .45^{\circ}$ $17 / \mathbf{0}^{\prime \prime} .10 \mathrm{amps}$. UL listed. 120 volts AC. 3 wire cord and plug. Shpg. wt.. $112 / 2$ lbs. See rip fence below.
13 P 69263
Net 29.99
13 P 69123 Rlp Fence
Net 2.25
Carrving Case for Above Saw
13 P 69370 Shipg. wt. $51 / 4$ bs
Net 11.95


## Black \& Decker <br> 2-HP 8" RADIAL ARM SAW

## WITH LEG STAND

- Performs All Woodworking Saw Cuts
- Cuts Full 27/8" Depth
- Powerful 2 HP Roller Bearing Motor Model 1700. Precision built for superb cutting accuracy... makes rip cuts, crosscuts, bevel and mitre cuts. Roller head rides on bal! bearings for accurate cutting every time. Antiokickback lever holds board to prevent chatter. Large ( $22^{\prime \prime} \times 32^{\prime \prime}$ ) warp resistant work table allows out-fipping with blade located over table. Up-front bevel ad justment with easy-to-read scale and automatic $45^{\circ}$ setting plus up-front elevation control permits fast, simple set-ups. Automatic positive focking position for $0^{\circ}$ to $45^{\circ}$ bevel; $0^{\circ}$ and $45^{\circ}$ mitre, and $90^{\circ}$ ripping position. Maximum depth of cut $2 \mathbf{2 月 "}^{\prime \prime}$; maxlmum depth of cut at $45^{\circ} 17$ 月 " $^{\prime \prime}$; features mitre and bevel scales, rocker type, upfront on/off switch with key lock for added safety. Constructed of extra-strong one piece tubular steel column mounted directly to base for rigidity. $120 \mathrm{VAC}_{i} 2 \mathrm{HP}$ max.; $5200 \mathrm{RPM} ; 10 \mathrm{amps} . ; 8^{\mathrm{m}}$ blade with leg stand. Shpe. wt., $884 / 4 \mathrm{lbs}$ 12 P 90022 WXM No Money Down*

Net 109.99 Model R-6024. 6" DADO HEAD SET. FLAT GROUND. (2 Blades, 4 Chip-
 12 P 68705 Shpg. Wt., $34 / 4$ lbs.

Net 22.99

## "ARCO-SAW" ATTACHMENT <br> 95 <br> with "OADO-ARBOR" To Cut Any Groove

Attaches to any $1 / 4$ and $\$ 6$ drill in seconds! "Oado Arbor" swiv. els sawblade to cut grooves up to $1 / 2 \mathrm{Wxl}$ " 0 ., in one cut; "OadoArbor't is easily removed for straight or angle cuts . . . cuts $2 \times 4$ 's in one cut with 5 " blade. Graduated depth and bevel gages allow cuts up to $1 \frac{1}{4}{ }^{\prime \prime} D_{\text {; }}$ bevels to $45^{\circ}$. Has adjustable rip gage and visual guide, self-łubricating lifelime bearings, strong safetybracket and clamp. Fully assembled with instructions
14 P 14275 Shpg. wt. 3 tos.
.Net 9.95
14 P $142835^{\text {² }}$ Hycarbon Combination Blade
Net 1.75

Powerful and Hghtweight, the Skil $10^{*}$ chain saw has a 2 HP 12 amp. motor making it ideal for felling and trimming trees, cutting flrewood. and home improvement projects, etc. Features a centrifugat clutch to prevent motor overloading. an easy-to-use chain tension adjustment, and a reversible cutting bar. Oouble insulated and includes a safety switch to prevent accidental starts. With manual bultt-in oiler. UL Listed. Shpg. wt., 11 lbs.
13 P 69412 W No Money Down*
.Net 89.95

## Selected Jig and Sabre Saws



SABRE SAW
Black \& Decker.
Delure 2-Speed Jig Saw


- With Rip and Circle Guide
- Adjustable Base

A rugged and extremely handy sabre saw for the home handyman, hobbyist, and carpenter. Crosscuts, rips, scrolls, notches and even mates lts own starting hole! Easily cuts wood, plastic, and metal white clearing the cutting line with a stream of air for easy visibility. Complete with rip guide and angle cut adjustment, circle guide, and 3 blades. Powerfur industrial rated motor develops $3 / 4$ HP and produces $3000 \%$ " strokes per minute, Lifetime self-lubricating bearings. Ca pacity at $90^{\circ}-24_{4}^{\prime \prime}$, at $45^{\circ} \cdot 1 \mathrm{k} 0^{\prime \prime}$. For 115

13 P 3666 s Shpg. wt., 5 lbs. ..Net 11.95

- Shoe Tilts Up To $45^{\circ}$
powerlut 2 -speed jig sam is the ideal companion for the home craftsman, carpenter. or hobbyist. High speed is ideal for cutdig wood and compositions, and low speed for metal and plastics. Features a calibrated shoe that tilts for making bevel cuts up to $45^{\circ}$. $1 / 7 \mathrm{HP}$ motor is burnout protected and has a hardwood capacity of 1", and a solfwood capacity of $11 / z^{\prime \prime}$. High speed: 3000 SPM. low speed: 2500 SPM. Includes one blade. For 120 VAC, 2.5 amps. UL Listed. Shpg. wi. $41 / 4 \mathrm{lbs}$.
...Net 15.99


## HEAVY-DUTY VARIABLE SPEED SABRE-JIG SAW



- Variable "Dial Control" Any Speed From 0.5200 SPM
- Cuts Thru Wood 6" Thick

Electronic total torque dial variable speed control lets you use this one tool tor any cutting job. Cuts through $6^{*}$ logs, $6 \times 6^{\prime \prime}$ lumber. metal pipe, masonite practically any material. Makes its own starting hole. low speed for steel and plastics. medium for non-lerrous metais, high for rip or crosscut. Bevel couts to $45^{\circ}$. Features a 5 amp. $1 / 2 \mathrm{HP}$ motor. with $6^{6} 3$-cond cord 5 assoned blades and rip gulide with circle cutter. For 120VaC. $25-60 \mathrm{~Hz}$. UL listed. W... $61 / 4 \mathrm{lbs}$. 14 P 48059
$29^{95}$

## Black \& Decker.

## (A) DOUBLE-EDGED BLADE SHRUB AND HEDGE TRIMMER

## - Large 13" Double-Edge Blade

- Front 'Wrap-Around' Handle for Easy Balance Model 8810 (U-175). Cuts smooth and fast with periect control at any angle. Deep blade pockets grip and cut fuliage fast. efficientiy. Adjustable "Wrap.Around' handle for steady, accurate control., plus 'Sure-Grio' handle with convenient fingertip switch. Strong Hight-- Sure-Griple-cast aluminum housing. Durable orange enamel finish. 3600 strokes per min., 120 VAC, 60 Hz .2 .2 amps . Shpe. wt, $61 / 2$ ibs. 12 P 68721


## (B) CORDLESS ELECTRIC GRASS SHEAR

Model 8280 cordless electric grass shear combines tong blade life and extended cutling capacity to trim grass around trees and flower beds, under fences, and even for light trimming of shrubs. Features a ball-and-channel blade mechanism which improves operating efficiency and maintains proper tension on cutting edges for a "scissor lte" cut Locking switch on hande and padde-type trigger switch combine protect against accidental starting. 6000 culs per minute from the six blade edges. Includes nickel cadmium batteries and charger. Durable high impact plastic housing. Shpp. Wi. 23/4 lbs 12 P68796
12 P 68788 Blade Sharpener for Above. Wt. 6 oz. .. Net 1.89

## (C) DELUXELAWN EDGER AND TRIMMER

Let Blach and Decker's deluxe Model 8220 electric lawn edger and trimmer do all the hard work of edging and trimming for youl Sturdlly made, it features two comfortable handes for sure control and large wheels for easy pushing. Pistol-grio On/Off trigger switch Trenches an edoe up to 74 m wide on the first pass with its switch. Trenches an edge up to th wide on the first pass with its $1 / 2$ HP burnout protected motor. Has an $8^{\prime \prime}$ special winged biade that cuts with ease and keeps Itself from clogring. and has a deflector for safer, cleaner operation. Easy-pull release knob allows you to convert from edging to trimming operation in a ffly? Trim around flower beds, trees. fences. etc. without bending down-fast and easy Motor speed: 8500 RPM. For 120 VAC. 6 amps. Wt., $181 / 4$ bs. 12 P 68770 W No Money Down ${ }^{2}$............................................... 34.99

## Power Sanders Grinder Planer Router

HEAVY DUTY 4" BELT SANDER


Mode172510: A powerful bett sander for every sanding job. Rugged gear drive moves 1500 surface feet per minute. Unique snap-lock on front roller for easy belt changing, vacuum cleaner hook-up provided for dust pick-up. Die cast aluminum housing locking trigger switch Uses standard $45213 / 4$ belt. AC motor with life-time Jubricated bear ings, 3 -cond, cord. For 120 V 60 Hz AC . UL listed. 13 P 36601 Shpg. we. $131 / \mathrm{los}$.

Net 34.95
Sandink 8elts for Above Shpg. wt., 4 oz .
13 P 3661940 Grit. Coarse
13 P 36627 Grit. Medin
13 P 3662760 Grit, Medium $\qquad$ Net . 99 13 P 3663580 Grit, Fine

Net .99

- Orbital or Straight Line
- Positive Slide Switch

Versatile $1 / 2$ HP sander is both an orbital and straight line sander. Push-pull switch instantly switches from orbital to straight line motion. Draws only 2.6 amps but delivers 4,000 orbits of 4,000 stralght line strokes-per-minute. Double insulated for safety. En. closed handle with a bult-in front guide. For 117 VAC. 13 P 65902 Shpg. wt. $33 / 4 \mathrm{lbs}$.
......Net 19.95


## 2-SPEED SANDER POLISHER

## 3795

- Powerful 1/2 H.P. Motor - Burnout-Proof Armature - Sands Metal and Plastics Model 940: Combines two handy tools -a sander operating at 3400 RPM and an efficient oolisher at 1800 RPM. As a sander, you get the rignt combination of high speed and oversize sanding discs. Has perfect balance...auxlliary grip handle for right or left hand use. Tool rest. Extra large wool polishing bonnet permits workIng around and over edges. UL and CSA Listed, for 115 VAC. 13 P 65188 Snog. wt. $93 / 4$ tos.

Net 37.95

Model 7611. Meavy-duty router designed for the serious do-lt.yourselfer. Powerful 3, MP burnout proof motor cuts, routs, grooves, trims and decorates wood, piastics, and compositions. Man-slze dual handles for positive control and preclson ruled vertical depth adjustment, callbrated in $\mathbf{x a}^{*}$ permit accuraie, professionat looking results, 22.000 RPM, 120 VAC, 5 amps. Complete with 2 wrenches, stralght and circular guide, $1 / 4$ " high speed steel straight 2 flute bit. louter manual, instructions, and carrying case. Shpg. wt., 8 lbs. 12 P68820

Net 44.95

## $1^{\prime \prime} \begin{aligned} & \text { Portable } \\ & \text { Vertical } \\ & \text { Belt Sander }\end{aligned}$

## Black \& Decker <br> $5^{\circ}$ BENCH GRINDER



Versatile bench grinder for every home work. shop need. Sharpens hnlves, hatchets, lawn mower blades, chisels drill bits, etc. Bal. anced vitrified aluminum oxide grinding wheets glve smooth performance. $81 / 2 \sim$ wide wheel spread permits side grinding of longer objects. Self-aligning oil-impregnated bear. Ings. Includes: $15{ }^{\prime \prime}$ wide $5^{\prime}$ medium grit and $5^{\prime \prime}$ coarse grit wheels, tool rests, guard covers, eye shields, rubber feet. 3400 rpm , 2.2 amps, 120 VAC. Shpg. wt., II lbs.
12 P 68713 w


## ELECTRIC PLANER

- Adjustable Guide Permits Planing At Any Desired Angle

Does a prolessional job of planing! Easily adjustable planing depths of $X_{2 \prime \prime}^{\prime \prime \prime}$ and K Kan'. 2 hardened steal, adjustable cutting blades may be removed for sharpening, adjustable lence and angle guide may be removed for planing flush into corner. Bum-out protection. Motor develops $7, \mathrm{hp}$. (industrial rat(ing). Spindle speed $14,000 \mathrm{rpm}$ with double race ball bearings. Die-cast aluminum hous. ing. With 3 -cond. cord. For $115 \mathrm{~V} 50 / 60 \mathrm{~Hz}$ AC. Shpg. wt. $71 / 4 \mathrm{lbs}$.
13 P 36585
Net 27.95


## Variable Speed

 $3 / \mathbf{n}^{\prime \prime}$ Drill With Speed Lock- Drill Locks At Any Speed From 0-1000 RPM


Model $\mathbf{7 1 2 0}$ heavy duty drill features double reduction gear system for full torque drilling action. Gearing and chuck able to handle bigger, tougher jobs. Lets you tock triger at any selected speed suifed to the job. Ideat for driving screws. Improved $1 / 6 \mathrm{hp} 2.5 \mathrm{amp}$. burn-out protected motor. Capacity: $3 /{ }^{*}$ steel, $7 / /^{"}$ hardwood. Polished aluminum housing with rugged Man-Grip handle for greater comfort and control. For 120 VAC. UL listed. Shpg. wi., 3\% lbs. 12 P68739 Net 19.99

## Heavy-Duty Single-Speed $3 / \mathbf{8}^{\boldsymbol{m}}$ Drill

Model 7110 -Similar to Model 7120, above, less variable speed fea ture. Shpg. wt., 3\% lbs.
12 P 68507
Net $\$ 5.99$

- For Home and Workshop Use



## *" UTILITY DRILL

Model 1100. Versatile $3 / 8$ " drill is perfect for general homeowner and workshop use. Oouble reduction gear system delivers full torque for those tougher jobs. Easily drives wide assortment of accessories and attachments. Capacity: steel $\neq{ }^{m}$, hardwood $1 / /^{\prime \prime}$; 1000 RPM; 120 VAC; $1 / 7 \mathrm{HP} ; 2 \mathrm{amps}$.
12 P 68754 Shpg. wt., 34 lbs
.Net 9.99

## $1 / 4^{\prime \prime}$ UTILITY DRILL

Model 7000. Mandy $1 / a^{\prime \prime}$ drill does light duty work. Drives all the most popular accessories for sanding, pollshing, bufting, etc. Well balanced and comfortable. Capacity: steel $1 / /^{\prime \prime}$, hardwood $1 / 2^{\prime \prime} ; 2250$ RPM; 120 VAC; $1 / 7 \mathrm{HP}: 1.9 \mathrm{amps}$.
12 P 68762 Shpg. wt., $34 / 4$ Ibs.
Net 7.99

## HEAVY-DUTY $3 / 8^{\prime \prime}$ Drive-R-Drill

- With Adjustable Trigger Speed Control
- Pre-set Maximum Speed You Desire-Forward or Reverse
- Drill Locks At Any Speed From 0-1000 RPM

Model 457 double insulated Drive-R-Drill for safety-Two-prong plug eliminates the need for any adapter. Squeete the trigger for more speed and torque. Lock it for any desired conslant speed without pressure. Powerful 3 amp. super buznout-protected motors large Chuck capacity for drilling, driving. and removing applications. Double reduction high torque nelical gears give extra torque, steady power. Removable side handle. Heavy duty geared chack with key. 6 ft . 2 -wire cord and plug. For $120 \mathrm{VAC}, 60 \mathrm{~Hz}$. Ul ilisted.
13 P 69396 Shpg. wt., 41/2 lbs.
Net 36.99
HEAVY-DUTY 4-SPEED $1 / 2^{\prime \prime}$ REVERSIBLE DRILL


- 6 Amp $1 / 2$ HP Burnout-Proof Motor
- Double Reduction Gears for Super Torque

Model 950 is designed for the big jobs! A rugged heavy duty $1 / 2$ r" drill where greater power is required. Simple, easy to use two-lever control for elec. tronic gear reduction and speed changes for precise and accurate drilling of any type of materiat. Reversing Ing of any type of materiat. Reversing on all 4 -speeds permits you to back out from extremely dense ma. terials. Welded armature. Double reduction gears dallver hi-torque for heavy jobs. Trigger switch locks in place for extended operation. preclsion Jacoos geared chuck and key. Polished die-cast aluminum housine 120 Y AC with 3 wire cord. UL and CSA Ilsted. Size: 11 x housing. 120 Y. AC with $3142^{m}$. Shpg. wi., $9 y$ lbs.
$81 / 2 \times 312{ }^{2}$.
13
Nel 39.95

## $39^{95}$ <br> No Money Down*

$36^{99}$
No Money Down*

3/8" REVERSIBLE VARIABLE SPEED DRILL


DOUBLE INSULATED COMPACT DRILL

- Solid-State Magnetic MotorDiode Circuitry
- Double-Reduction Gears

A power drill that is so light, rug. ged and powerful... so comfortable! Revolutionary fast back design tea No tures balanced power and Hghtweight
materials. Weighs only $17 / \mathrm{lbs}$ ! Ingen. materials. Weighs only $17 / 2$ lbs.! Ingen. bous use of polycarbonate housing makes this drill virtually indestruct. ible and is double insulated for safety. Unique magnetic motor offers variable speeds trom 0-1200 r.p.m. 4 -diode circuitry is solid-state, full wave rectifier with highly efficient energy toansfer. Additional quality leatures include itfe-time lubricated spherical bearings, and 18-blade wind tunnel fan, double reduction gears, plus inductionhardened armature pinion and reversing switch. For 120VAC., 60 Hz . 13 P 53259 Shpg. wt., 31/9 los.

# Popular Power Drill Accessories 

## 14 Pc. HIGH SPEED DRILL SET with CENTER PUNCH



# Century 

- 13 Sizes

Made in U.S.A.
$K_{0}{ }^{\prime \prime}-1 / 2^{\eta}$ ПPlus Center Punch

- Hang on Pegboard, Mount on Wall or Stand on Workbench
 $\mathrm{K}_{0}, \%_{2}, K_{6}, 3_{12}$ and $14^{\prime \prime}$. Ko. Wie and $1 / 2^{\prime \prime}$ with $1 / 4^{\prime \prime}$ shanks. Also contains center punch for accurate placement of drill. Convenient, high impact plastic case stands on workbench or mounts easily on walt or pegboard. Has built-in shelf for holding pencils or additional drill bits, chuck keys, etc. Shpg. wt., $11 / 2 \mathrm{lbs}$.


## 13 P18112

Net 11.95


## 13 PC. HIGH SPEED DRILL SET WITH CENTER PUNCH

Made in U.S.A

- 12 Sizes: $1 / 16^{\prime \prime}-1 / 4^{\prime \prime}$

Precision ground hign speed dills and center punch placed in unbreakable flerible plastic case which opens and closes like a book! Drill sizes: $1 / 6.1 / 4^{\prime \prime}$. Handy center punch assures exact position of drill blt. Shpg. wt., 902.
13 P 18500
.Net 5.95
12 PC. HIGH-SPEED DRILL SET Made in
WITH STAND AND DRILL STOP U.S.A.


Migh-speed drill set for wood, metal, or plastic work. Fits all electric drilts, 10 popular size drills from Ko" to $\mathrm{K}^{\prime \prime \prime}$. and an adjustable drill stop to measure eract depth for controlled drilling. Eliminates mistakes. and fits all drilis in sef. Complefe with unbreakable red plastic stand 13 P 18120 ShDg, wt., 10 oz....Net 3.95

## 29-PIECE DRILL SET WITH STAND

## - Sizes Kor to $1 / 2^{\prime \prime}$

Precision ground chrome alloy steel twist drills with indexed stand. Gun black finish. Sizes hó to $1 / 2^{\prime \prime}$ by 64 th. Sizes larger than $1 / /^{*}$ have turn ed down shanks. Imported. Shpg. wt., 21/2 lbs 13 P 55775

Net 10.95


Simple and sate to use, makes perfect circles in wood in seconds. Use with any electric drill to cut speaker holes, vents, pipes, ceiling lights, etc. Can aiso be used to make discs, rings and fancy shapes. Cuts circles $14 / 2^{\prime \prime}$ to $12^{\prime \prime}$ in diameter. Has special bit for smooth side cutting. Shpg. wt., $1 / 2 \mathrm{lb}$.

## 12 P 41009

Net 5.95
HEAVY-DUTY INDUSTRIAL COMPASS CUTTER, AS above except cuts up to 18 inch circular holes in fiberglas, $2^{\circ "}$ wood plank, sheet metal, bis" aluminum and laminated plastics. Special router bit has drill point allowing you to bore center and radius hole. Shpg. wt., 1 lb.
12 P 41017
Net 7.95


## TWIST DRILL SHARPENER

## - Sharpens Drills from Ko" to $1 / 2^{\prime \prime}$

Fits any $1 /{ }^{\prime \prime}$ or larger electric drili. $3^{* "}$ aluminum onide grinding wheel. Sharpens any bit up to $1 / 2^{\prime \prime}$ dia Also has adjustable toot rest for sharpening chisels, unives, scissors, etc. Shpg. wt., $3 / 4 \mathrm{lb}$. 14 P 14093
.Net 2.29

## Black \& Decker AUTOMATIC DRILL BIT SHARPENER



Model 7980. Automatically precision sharpens dull or broken high speed steel twist drill bits (not carbide tipped). Bits need no oll or tubricants. Accepts 11 sizes: 4.0. Fibs
 Double-insulated for maximum user safety. 17 H.P. 1.9 amps., 120 VAC, $50 / 60 \mathrm{~Hz}$. Shpg. Wt., $54 / 2$ lbs.
12 P6874
.Net 19.99
UNIVERSAL DRILL PRESS STAND $12^{95}$


- Adjuslable Depth Stop
- Adjustable Cradle
- Spring Return Tension
- Adjustable Depth Gauge Dial

Drill stand can be used with any $1 / 4^{\prime \prime}$ or $3 / 8{ }^{3 \prime}$ drill or $4 / 2^{\prime \prime}$ compact. Converts hand drill to powerful lever operated drill press. Rack and pinion gear feed and spring return mechanism plus depth adjustment, Base drilled for bench or truck mounting. $21 / 2^{\prime \prime}$ stroke, 5 to 1 leverage. Overall height: $20^{\prime \prime}$. Base size: 5新 $\times 6^{\prime \prime}$. Shpg. wt., 7 lbs.
14P62555
Net 12.95

## 6-PC. SCREWDRIVER



- Fits All Electric Screwdriver And Variahle Speed Drills

Versatile set provides a variety of blts and finders to speed-up assem bly and service work for slotted and Phillips head screws. Kit in cludes 3 -slofted bits and finders for screw sizes 6.8, 8-10. \& 10.12; 3 Philips blis No.'s $1,2, \& 3$. All have $1 / 4^{\prime \prime}$ Mex shank. Shpg. wt., 5 ots. 14 P 79047

7 PIECE SOCKET SET
99
Fits All Electric Screwdriver Drills
Drills $3 / 4$ "hex shank fits all power screwdrivers and drills. Fits directly into chuck for driving and removing bolts and nuts. Set contains socket adapter and 6 sockets Ka", 2/i", "37", K0", 1/a", Ko".
14 P 79054 Shpg wt., 5 oz. ....Net 1.99

## 5-PC. ROTARY FILE SET



For electric drill, drill press, flexible shaft. Milled from solid tool steel, hardened and tempered. Cuts steel and other metals, wood, plasilc, wallboard, etc. For hole eniarging, routing, shaping, finishing.
with $1 / \mathbf{s}^{w}$ shank. Shpg, wt., $1 / 2 \mathrm{lb}$.
13 P 50180

## AUTOMATIC CENTER PUNCH

Speedy, automatic, and adjustable-s single hand operated punch gives light or heavy impressions with just the turn of a screw. Spring pressure adjusts from $\mathbf{5 - 3 0}$ lbs. Imported from England. Wt., 5 oz. 14 P 33200

Net 4.15


Prices
Lafayette Cat. No. 730

## Selected Accessories For Power Drills

## REVERSE-A-DRIVE SPEED REDUCER SCREWORIVER

## ARCO SCREW \& NUT DRIVER DRILL ATTACHMENT

- Includes 2 Bits and 1/4" Socket Adapter
Reversible speed reducer can be fitted to any electric drill or drill press quichly and easity. Forward soeed reduction of 11 to 1 . and reverse of 4 to 1 develops high torque. ldeal for nut running. and heavy duty screw. driving. Easy stop-start action with hand clutch control. Accessories include $1 / 4^{*}$ slotied bit with finder- 2 Phillips bit and ba" socket adapter. Shpe. wt.. $1 / 4 \mathrm{lb}$. 14 P 79021

speed reducer similar to above but less versing feature. 11 to 1 speed reduction through the use of a planetary rear system Easy stop-start action with hand clutch control. Includes slotted bit with finder. $=2$ Phillips and $1 / 4$ " socket adapter. Shpr. wt. $3 / 4 \mathrm{lb}$.
14甲79039
Net 3.95


## RIGHT ANGLE DRIVE



- Runs Drill At $1 / 2$ or Double Speed
Close coupled-right angle ittachment for working in confined spaces. 2 to 1 gear ra. tio permits haviving or doubling drill speed. High speed for drilling and sanding-slow speed for polfshing-large hole drillingmasonry drilling, etc. Fits $1 / a^{\prime \prime}$ chuck or may be screwed directly to drill spindle. Includes $\mathbf{~} \%$ - 24 male and female adapters and $v \mathrm{k}^{\text {" }}$ plain shaft adapter.
14 P 36039 Shpg. wt., 14 lbs. Net 3.95


## 7-BLADE DEEP HOLE SAW



50

Cuts holes in $2 \times 4$ s


Fits any electric drill or drill press. Cylindri. cal saw blades cut holes from $1^{\prime \prime}$ to $212^{\prime \prime}$ in diameter in any stock up to $\boldsymbol{Z}^{\prime \prime}$. Hore sizes are $1^{\prime \prime}, 114^{\prime \prime}, 112^{\prime \prime}, 134^{\prime \prime} \cdot 2^{\prime \prime}, 214^{\prime \prime}, 212^{\prime \prime}$. Cut wood, plastic, metal, shéetroch, wah. board, masonite, formica, elc. Has quide bit and automatic slug ejector. Imported.
13 P 55262 Shpg. wt., 1 lb. ....Net 1.50
$5^{25}$


Complete 11 Piece Screw and Nut Driver
For ropid fastening of both screws (slotted and Phillips) and nuts (hez and square head) Has non-sifip industrial type clutch for fast easy driving. Bit holder prevents screw head slippare. Includes flat bits and bit hoders for $\mathbf{2} 6.14$ slotted screws, $\mathbf{2} 2$ Phillips head bit. 6 her socket wrenches $\left(1 / 4 ", \%_{1} \%,{ }^{\circ} /\right)^{\prime \prime}$, $\left.3 / 8^{*}, 3 / 10^{*}, 1 / 2^{-}\right)$, and socket wrench bolder with ball lock. Shpr. wt., 1 lb .
14P14218
...Net 5.25

## LAWN MOWER SHARPENER

- Sharpens All Rotary Mowers
Quichly and easily sharpens any flat blade-rotaries, hoes, scythes, etc. $4 /{ }^{\text {an }}$ shank fits any electric drill. Reversible grinding wheel. Wr., it tb . 14 P 14226 .... Net 1.19

KNIFE \& SCISSOR SHARPENER
Converts any electric drill or bench motor
 to a knife or scissors
grinding macnine. Consists of rugged, specially designed grindstone with . $1 / a^{\prime \prime}$ shank arbor attached. Shpg. wL, $1 / 2 \mathrm{lb}$ 14 P 14234

Net 1.19

## 1/2" CHUCK FOR $1 / 4^{\prime \prime}$ DRILLS



- Add 1/2" Capacity to $1 / 4^{*}$ Drill

Converts $1 / /^{\prime \prime}$ electric drill to $1 / 2$ " capacity. Properly machined to insure correct balance. May also be used on standard $1 / 2 \times 24$ motor artor or shaft. Imported. Shpr. wh. \% tb.
13 P 55270


Chrome vanadium set
Removes broken aod
multiated screws-bolts-studs, even $1 / 8^{\circ}$ and $1 / 4^{-}$pipe. Simply drilt damazed screwtwist extracter in -and back screw out. With plastic pouch. Imported. Shpg. wta, 6 oz . 13 P 5452

Net .99

# WHIT2-Dsc 

- Fits Any Electric Drill_Flexible Shaft
Cuts througgh steel, brick, plastics. Superhard silicen carbide particles embedded in tough resillient fabric form a shafter-proof, safe-to-use disc. Also removes paint, rust, shapes stone, metal, wood and plastic, with instructions. $7^{\prime \prime}$ Whizz Disc, $5^{\prime \prime}$ backing pad, $1 / 4$ " arbor and flange washers. Wt., $3 / 4 \mathrm{ib}$. 14 P 14358 ................................Net 2.50 WHIzZ-DISC for Portable ionench Saws, $7=$ dia. Shpg, wt., 4 oz .
14 P 14366 i/2" bore $\qquad$ Net 1.79
14 P $143745 \%{ }^{\circ}$ bore
Net 1.79


## TDDL STEEL TAPERED REAMER



Enlarges holes fo $1 / 2^{\prime \prime}$. Tapers down to $16^{\prime \prime}$ point. Machined edges. Overall length $5^{\prime \prime}$. Sliding "T" handle. Imported. Shpg. wi." $1 / 2 \mathrm{lb}$.
14 P 81029
Net 1.19
3 PC. CORNER FINISHING


Use with any efectric dritl, drill press, etc. Consists of fancy cove-cutter, Roman oge e . cutter and rabbetcutter for cutting $3 / 16^{*}$ contours. Dual guides assure accurate cuts in wood, plastic, soft metals. Made of fully hardened and tempered steel. Shpg. wt. $1 / 2 \mathrm{lb}$
14 P14333
..............Net 3.50

## ARCO DRILL STAND

- Fits All $1 / 4^{n}$ or 3. ${ }^{(10}$ Electric Drills


Attaches to workbench. Is ideal for buffing, sanding, grinding. Fits all electric drills, 6 oz.
14 P14200
Net 1.59

CORDLESS POWER DRILL SET
$5^{95}$

- Drills Wood Metal, Plastics

- Grinds, Drills, Carves, Polishes

Model 376. Powerful, versatile, efficient. Polish-deburfacarve-grind. drill, with new ease! Complete with center punch. grinder, drilt bit and 3 precision collets. Drills plastic, wood, light metal. In handy styro foam holder. Embossed case. Less batteries.
13 F .7248 Shog
13 F 74248 Shpg. wt., $3 / 4 \mathrm{lbs}$.
99 P 62572 "C" Batteries for above; 2 req. .........Net ea 5.95

## KNIFE AND TDOL SET

## - Precision Knives

model 84 knife and tool set. Contains handles 11 (K, $5^{\prime \prime \prime}$ alum. inum) for light work; 2 (K. ${ }_{6}$ $5^{\circ}$ alum.) for med. work: 15 ( K. $^{2}$ I 43" plastic) for heavy work. Plus 4 assorted routers, 2 different punches, plane, $1^{\prime \prime}$ sander, spoke shave, balsa stripper, il assorted blades and 4 as. sorted gouges. A complete wood carving workshop. In wood case whth clear plastic cover. Shpg. wt., $21 / 4$ ibs.

## 13 P 74230

Replacement blades that fll all X-ACTOA001s.
Ave. shpg, wt., 3 or.
No. 11 for fine angle cutting: deep cuts, narrow spots.
13 P 74073 : 11 , pkg. of 5
Net .59


# Vacuum Cleaners...Staple Guns 

## SHOP-VAC ALL PURPOSE VACUUM CLEANERS

- Heavy Steel Orum-Excellent for the
Home, Garage, Patio, School or Workshop LOW
- Poweriul 1 HP Motor, $6 \mathrm{ft} .2^{1 / 2^{\circ}}$ Dia. Hose AS

Deiure shop-vac 10 Gallon Vacuum Cleaner outfit. Excellent for picking up pebbles, wood chips, sawdust and other debris. Also attaches to woodworking machines for chip and sawdust removal. Reversible air flow-use it as ablower too. Periect for winter oil burner cleaning. Complete with two-way 4-wheel dollie, 6 ft . $21 / 2^{\prime \prime}$ dia. hose, $6^{\prime \prime}$ nozzle, $21 / 2^{\prime \prime}$ to $11 / 4^{" \prime}$ adapter, $2 \cdot p$.p. $45^{\prime \prime}$ extension wand, right angle elbow, cloth filter bag and phg. of 5 paper filters. UL listed. Shpg. wt., 22 lbs.
13 P $35652 W^{2}$ No Money Down* ..............................Net 39.95
5 gallon Shop-Yac Vacuum Cleaner. Same as above, including all
accessories, except for 5 gallon vacuum capacity. UL listed. Shpg. wt., 17 lbs .
13'P 35702w No Money Down* .............................Net 34.95
Paper fliter Bags: For extra dirty jobs, slips over cloth bag.
13 P 35561 Pkg. of 5. Shpg. wt., 4 oz. ................Net . 99
13 P 35579 Replacement Cloth 8ag. Wt.. 4 oz. ....Net 1.49


# "HOPPY" LevEL and INCLINE FINDER 

 $7{ }^{95}$- Precision Split-Image Transit
- Quickly Oetermines Level and Incline
- For Carpentry, Cement Work, Plumbing, etc.


# DELUXE "HOPPY" LEVEL and INCLINE FINDER 

Precision instrument accurately measures level and degree of in. eline. Combines the advantages of carpenter's level and costly sur. veyor's transit. Indicates level and exactly how much grading is needed. Measures a minimum of 4 " rise or fall at $25^{\circ}$. One man can easily handie any leveling of incline measuring job; eliminates need for 2 -man crews. Use for patio layout, bricklaying, flooring, surveying. terracing, fencing, plumbing, shelving. guttering, drainage, liriwation, or any wask requiring accurate tevel or greding. Wh. N14. Hes. - 4 Poll

Compact, easy-to-use, precision instrument accurately determines level and degree of incline. Combines the advantages of carpenter's level and costly surveyor's transit. Measures a minimum of Le" rise or fall at $25^{\circ}$. Side callbration chart and top reading indicators permit quick inciline and grading determination. Rugged, self-contained unit uses its own carrying case as level target; ellminates need for 2 -man crews. Use it for patio layout, bricklaying, flooring, surveying,
 14 P 18037

## MULTI.PURPOSE GUN TACKER KIT



- Includes: Gun, Case-Wirine Screening, And Window Shade Attachments-Staple Lifter

Professional staple gun with a powerful action that drives 6 heavy duty staple sizes,
 especially designed for ceiling tile. Kit contains: staple gun; multi-staple pak of 2000 $1 / 4^{\circ}$. and 1000 ea , $3 \mathrm{sin}^{\prime \prime}, 1 / 2^{\prime \prime}$ and celltile staples, and attachments.
13 P 57508 Shpg. wt. $47 / 4$ lbs...Net 14.95
staples for the model t.so cun Shpg. wt. 8 oz.

- MULTI-PAK-ASSORTMEAT OF 5000 2000 . $1 / \mathrm{a}^{\prime \prime}$, 1000 ea . OF $3 \mathrm{~h}^{\prime \prime}$. $1 / 2^{\prime \prime}$ \& CEIL THEX
13 P 57557
Net 2.75


## Su

## (A) HEAVY DUYY STAPLE GUN

 - Bullt-In Staple Extractor - Easy Loading of 5 Staple Sizes Model 000 drives 5 sizes of staples. Snap open load. Exclusive power dot and tandem springing deliver super power. Loading takes only a moment. Built in extractor. Accepts $1 / 5^{-\prime}$ to $x_{0^{\prime \prime}}$ staples including special lokttie staples for firm nolding of celling thes. 13 P 58126 Shpg. wt.. 2 lbs.. Net 8.95 1000 staples for \#800 staple zun| Stock ${ }^{\text {No. }}$ | Legtenth | shpp. wt. | Nel |
| :---: | :---: | :---: | :---: |
| 13P58134 | vis | 702. | 55 |
| 13 P 58142 | \%6. | 702. | . 60 |
| 13 P 58159 | \% | 8 oz . | . 60 |
| 13P58167 | $1 / 2$ | 9 Oz . | . 70 |
| 13 P 58183t | Y: | 8 oz . | . 80 |

tspecial toktile Staples

## (B) CABLE TACKER

 <br> \section*{- Fast-action <br> \section*{- Fast-action <br> - Reaches Into Tight Places}Model 300 Swingline last-action staple gun for lastening low voltage electric and telephone wire, cable, rods, barbed wire, etc. Fires arched crown staples, $1 / 4^{-} x 3 / 8^{\prime \prime}$. Nar. row width permits reaching into tight places. 13 P 58092 Shpg. wt., $21 / 2$ Ibs. Net 12.95 s000 staples for above gun 13 P 58100 Shpg. wt., 8 oz... Net 1.59

## STAPLE <br> GUNS



## HEAVY DUTY 18" BENDING AND FORMING BRAKE <br>  <br> - Forms up to $90^{\circ}$ <br> nuara up lo $90^{\circ}$ -

Rugged heavy-duty all steet construction and unique design permits forming chassls, boxes, covers, trays, etc., by means of $1^{\text {o }}$ deep slots in brake.bar which allows corners to fold in. Provides flange edges up to 1- high. Easy to adjust for thickness, accuracy, angle of bend. Features built. in clamps. Imported. Shpg. wi., 16 th lbs .

Net 14.95 99 P80640W


PORTABLE VACUUM VISE
WITH 2 JAWS, $11 / 2^{*}$ AND $21 / 2^{* *}$
No clamps, no serews! Vacuum power holds vise securely on any non-porous surface. Use it on formica, linoleum, metal, porce. dain or any painted, smooth finish surface. Anvil back, 2 jaws. $11 / 2^{\prime \prime}$ and $21 / 2^{\prime \prime}$ open to $21 /$ inches. $360^{\circ}$ rotation 5 wivelhead. Easy to use vasuum action and jaw controls. For hobbylst, repairman. Imported. 13 P 55916 Shpg. wt., $53 / 4 \mathrm{lbs}$. Net 5.95 $4^{\prime \prime}$ SWIVEL BASE VISE
This tavorite machinist vise swivels full $280^{\circ}$ width of Jaw: $4^{\prime \prime}$. Geared bolt and base plate give positive lock against slip. page. Remoyable hardened plpe jaws open to $4 \mathrm{Y}^{\prime \prime} 1$ plated screw bar. Steel handle balls forged from handle stock. Precision machined malleable fron castings. Selflubricating graphite bronze bsaring. Imported. Shpg. wt., 17y lbs. 13 P55890 $\qquad$ Net 10.95 HEAVY DUTY 6" MODEL. Similar 10 above: Width of Jaws: $6^{-}$opens to $64 / 4^{*}$. Shpg. W1. $261 / 4165$. 13 P 56120 W

## ELECTRONIC VISE WITH POSITIONER



For small sub-assemblies and intricate electronic work including printed circuits, Rubber protect. ed jaws are $24 \sim w$ with a $61 /$ " $^{\prime \prime}$ opening. PowRarm positioner offers superior positive lock and fast on-off action with horizontal handle. Shpg. wt., $23 / 4 \mathrm{Ibs}$.
14 P80029
Net 18.85

## HAND VISE

The only practical way to grip and hold small parts. $11 / 4^{\prime \prime}$ die cast jaws open to $1 / \mathbf{\%}^{*}$. Mounted on a $4^{-}$comfortable ferruled wooden handle. Holds work for drill. ing, marking, filing. sawing, ete. Endless uses in handiwork. Imported. Shpg. Wt., 902. 13 P 55346

Net 1.19


## DOUBLE POWER GRINDER

- with 2 Grinding Wheels

Equipped with double tool rests -. will accommodate $4^{\prime \prime}$ or $5^{\prime \prime}$ grindstone. Nylon bearings require little or no lubrication, and have outstanding abrasion resistant characteristics. Furnished complete with one coarse, one fine grinding wheel. Shpg. wt., $10 \frac{1}{4}$ lbs.
14 P 76043

## ADEL HAND "NIBBLING" TOOL



450 - Cuts Sheet Metal Like a Punch and Die

Easily operated hand "Nibbler" cuts any shape hole in sheet steel-aluminum-copper-or plastic. Metal remains flat and straight after cutting. Does not add strain or distortion to edges. Cuts holes in preformed sheet metal without dis. torting original form. Cuts in all directions. Any design-angle-radius. Follows scribe lines easily. Best possible tool for cutting template and model parts.
14 P 12055 Shpg. wt., 10 oz. .. Net 4.50 Replacement punch for above 14 P 12063
.Net 2.50


## Biancmint

## CUTTING TOOL KIT

## 595 Cuts Anything. Metal or Plastic

BernaCutter cleanly and easily cuts plasties and laminates up to $\mathrm{Xi}_{0}{ }^{2}$, Hoor tile, sheet metals (steel up to $.040^{\circ}$ ), pegboard or paneling. Etiminates the danger of tearing or cracking delicate materials as with ordinary cutting tools. Hand operated BernzCutter is compact, can be used in confined areas. No limit to length of cut. Form fitting handles provide a comfortable grip for continuous use. With 1 metal cutting, 1 plastic cutting and 1 shaper blade for circles and curves plus idea. Instruction book. Shpg. wt., 1 lb .
14 P 31501
Net 5.95


## 4 TOOLS IN ONE <br> Complete Metal Workshop

FOR IMDUSTRIALS, EXPERIMENTERS, REPAIR SHOPS, MODEL WORKERS, SCHOOL SHOPS, HOME WORK SHOPS

## - Punches - Shears

## - Rivets - Forms

An ideal tool for plant, shop or home use. Used extensively in industrial plants on small jobs. Handles stock up to $1^{\prime \prime}$ wide to 16 gauge. Punches clean, sharp, smooth. burr-free holes - up to $1^{*}$ from edge - K. round. Forms bend up to $90^{\circ}$ in rod or Dar stock. Cleanly shears metals UD to $1^{\prime \prime}$ wide, 16 gauge, without distortion. Rlvets easily with any type solid or hollow rivet. Rivets up to a maximum combined thickness of 3 ". Shpg. wi., $51 / 2 \mathrm{lbs}$.
14 P 11016
Net 11.95
Avg. shpg. wto, 302.
14 P 11024 Hex-K" $4 *$ and $v^{*}$
14 P 11032 Square-i/s" and $K_{0}=$
Net 2.59
14 P 11040 Rqu......Net 1.79
14 P 11040 Rectangular- $1 / /^{\prime \prime} \times$ kn $^{\prime \prime}$ and $1 / /^{\prime \prime} \times 1 / 4^{*}$....Net 1.79
14 P 11065 Round- $1 / 3^{\prime \prime}$, $x_{8}^{\prime \prime}$, $1 / 3 z^{\prime \prime}, 1 / 4^{\prime \prime}$...........................Net 3.49

## MINIATURE IMPROVED HOIST



## - 2000-1b. Capacity

Simple, reliable hoist enables you to lift as much as 2000 los., yet weighs only $11 / 2 \mathrm{lbs}$. Id eal for hunters to hoist heavy game for cleaning, or boat owners to mount outboard engines with ease; can also be used to stretch a chain link fence. Has rust resistant cadmium plated housings, heavy duty welded ring, double grip safety hooks, nylon rollers. Includes high tensile-strength $65^{\prime}$ rope for long life. Shpg. wt., 2 lbs.
You Can Depend on Lafayette for Quality Tools-Low Prices

# Precision Metal Working Tools 

## greenlee chassis Punches



TYPE 731

## LAFAYETTE CHASSIS PUNCH SET

- Easy-smooth holes


Five most often needed round hale punches Easily cuts smooth accurate holes for sock ets, plugs, controls, panel lights, 5 witches, terminals, and most radio parts. Orive with any wench of with included T -handle. Punch sizes included are $1 / 2^{\prime \prime}, 5 / 6^{\prime \prime}, 3 h^{\prime \prime}, 1^{\prime \prime}, 11 / 6^{\prime \prime}$ Complete with punches. dies, I drlve handle, tapered reamer, fitted case, and instructions. Shpg, wt., 2 lbs . Imported. 99 P 80244

Net 7.88


DELUXE 40-PIECE TAP AND DIE SETS

## $10^{75}$

## - National Coarse \& Fine Thread

For mechanics, machin-


Ists, engineers, One tap $\quad \mathbf{4}, 12-24,74.16,3 / 4.24,6-32,1 / 4-20$, and die in each of following: $4-36,12-24,7 / 16,36-24,6-32,1 / 4.20$,
 plus long handle adjustable tap wrench, "T" handle tap wrench, die handle, screwdriver, screw pitch gauge, hinged bax. Imported. 13 P S5882 Shpg. wt.; $31 / 2$ tbs.

Net 10.75 40-Piece Metric Tap and Oie Set. with the following sizes in mm : $3 \times 0.35,3 \times 0.6,4 \times 0.5,4 \times 0.75,5 \times 0.5,5 \times 0.9,6 \times 0.75,6 \times$ $1.0,7 \times 0.75,7 \times 1.0,8 \times 1.0 .8 \times 1.25,10 \times 1.25,10 \times 1.5,12 \times$ 1.5 , and $12 \times 1.75$. Shpg. WI. $31 / 2$ lbs.

## 13 P 56252

Net 10.75

## 20-PIECE TAP AND DIE SET <br> - National Coarse <br> 



Contains one tap and one die in each of the following sizes: 6.32, 8-32. $10-24,12-24,1 / 4 \cdot 20, Y_{n}-18,3 / 4 \cdot 16,3 / 6-14$, and $1 / 2 \cdot 13$, Including die stock and adjustable tap wrench. Entire set contained In a fitted metal case. Imported. Shpg. wi., 21/4 lbs.
13 P 55106

## 12 NEEDLE FILES

- Swiss Pattern

All files are double cut for sharper, faster curting. For hobbyist, iewelers, watchmakers. etc. all over the world. Consists of 12 assorted flat. oval. round. triangutar and edge files to fit every need. Imported, Shpg. W1., $1 / 2 \mathrm{lb}$.
14 P 64536
Net 4.95

## HANDY WARDING FILE SET



- 5 Individual Files

Perfect for shop-home-hobby work. Kit consists of flat, half round, triangułar, square, round and taper files. All with in. dividual hard plastic handles. Sturdy plastic pocket case included. Imported.
13 P $^{\prime} 55122$ Shor. wt., 5 oz. Net 1.19
18-PC. HEX KEY
WRENCH SET



9 short arm wrenches from .050 through $v_{4}{ }^{m}$, and 9 long arm wrenches $x_{0}$ " through *\%". Quality tool steel. Bright Dlated-in piastic roll up kit. Imported.
14 P 76019 ShDR. wt., $3 / 4 \mathrm{lb}$. Net .89

## $5^{95}$

## NUT SPLITTER



- Handy For Removing frozen Nuts
- Easy to Use

Nut splitter, a handy, compact time-saver only $4 \%$ " long, this tool will split nuts up to $3 / 4^{n}$ across flats. A few turns with any $3 / 4^{*}$ hand wrench cuts the nut for easy removal.
14 P 52069 Shpg. wt.. 1 lo. Net 5.95

## PATTERN MAKER AND CONTOUR GAUGE



- Match and Outline Any Irregular Shape For home, shop and industry. simplifies measurement and copying of irregular shapes. Easy to use. just press the gaure's stee! teeth against any irregular surface to exactly match and hold the shape taken. Uses include: measuring pillar contour, fitting, floor tile, carpeting, wood mouldings,


REMINGTON 10" TUNGSTEN CARBIDE ROD SAW

## 195 <br> CERAMICS Super abrasive <br> 

- Cuts Like a Diamond
- Fits Any Hacksaw Frame

Cuts materials that an ordinary nacksaw can't cut: ceramic tile, glass, masonry materials, tough plastics, welds, steel alloys virtually anything hard or tough. Cuts curves and angles in any direction. No teeth to blunt, break, sef or sharpen. Fits common hacksaw frame, Shpg. wt., 307.
13 P 38500
Net 1.95
VERNIER SLIDING CALIPER


49


Sharp pointed projection for accurate dividing. scribing, etc. Lock nut insures agatast errors caused by sliding gauge. Rule graduated in 16 th and 32 nds plus $5^{\prime \prime}$ depth rauge. Precision made. Imported. Shpg. wt., 602, 14 P 61128

Net 1.49
SAFETY EYE GUARD
Ideal for industry, home, and farm work. Safe against impact and piercing. Optically clear.
Non-logging. Well venti-
lated. Undistorted vision. Flexible design fits over corrective eyeglasses. Wt., 502. 13 P 55353

Lafayette Cat. No. 730
363

## High Quality Pliers-Cutters for Electronics

## KRAEUTER "INOUSTRIAL" PLIERS



## - All With Cushion Grip Handles

Fine uality-hammer-forged from high grade tool steel. Individually fitted, tempered and adjusted. Fully polished heads. Rust-resistant cushion grip handles. Avg. wt., 1 lo.

| Stock No. | Type | Fiz. | Description | Nel |
| :---: | :---: | :---: | :---: | :---: |
| 13 P 28012 | 35015 | 1 | 5** Diagonal Cutters | 3.45 |
| 13 P 28020 | 35016 | 1 | 6*Diagonal Cutters | 3.70 |
| 13 P 28038 | 37015 | 2 | 5" Needle Point Diagonals | 3.95 |
| 13 P 28046 | 36616 | 3 | $6^{\prime \prime}$ Needle Nose with Cutter | 3.59 |
| 13 P 28079 | 27510 | 4 | $10^{\prime \prime}$ Joint Pliers | 3.20 |
| 13 P 28095 | 36107 | 5 | $7{ }^{\prime \prime}$ Heavy Duty Diag. | 3.20 |



| Stock No. | Type | Fig. | Description | Net |
| :---: | :---: | :---: | :---: | :---: |
| 13 P 30059 | 41-G | A | 41/4"D | 3.59 |
| 13 P 30067 | 42-G | 8 | $4^{\prime \prime}$ End Cu | 3.59 |
| 13 P 30075 | 43-G | $C$ | 43/4" Needle Nose | 3.05 |
| 13 P 30083 | 44-G | D | $4 y / 3^{\prime \prime}$ Flat Nose | 3.05 |
| 13 P 30091 | 45-G | E | 41/2" Round Nose | 3.35 |
| 13 P 30109 | 47-G | F | $43 / 4$ " Needie Nose Cutter | 3.59 |
| 13 P 30117 | 48-6 | G | 43/4 Transverse End Cutter | 3.69 |
| 13 P 30125 | 49-G | H | 41/2" Curved Needle Nose | 3.69 |


(A) $61 / 4^{\prime \prime}$ LONE NOSE PLIERS. Durable drop forged steel pliers with hardened and tempered side cutting edges. Insulated handles for protection and comfort. Thin nose reaches into any space. Completely polished and lacquered finish to prevent rusting. Imported. Shpg. wt., 7 oz.

## 13 P 55783

Net 1.69
(8) $61 / 4{ }^{\circ}$ OfAGONAL CUTTING PLIERS. FUlly drop forged steel construction. Hardened and tempered cutting edges ... thin nose for hard to reach places. Shockproof handles are insulated for comfort and protection. Rust-proof finish is completely pollshed and lacquered. Imported. Shpr. wt., 9 oz. 13 55791

Net 1.69
(C) $7^{\prime \prime}$ LINESMAN'S CUTTING PLIERS. Large strong holding grip. Rugged drop forged construction... tempered steel edges. Comfort design handles are shock insulated. Nose and handles protected by polished and lacquered finish-prevents rusting. Imported. Shpg. wt., 1402.
13 P 55809
Net 1.95
(D) E" SLIP JOINT PLIERS. Rugged, efficient ... adjust to a variety of positions, reach into any area. Strong gripping head with insulated cushion-grip handles. Long-lasting drop forged steel with attractive and protective chrome plated finish. Imported. Shpr. wt.. 1202.

13 P 55817
Net 1.39
(E) $61 / 2^{*}$ CURVE NOSE PLIERS. Versatile tongnose pliers bent $45^{\circ}$ at midpoint of jaws. Forged from special heat treated alloy steel. Nand honed side cutters. Insulated grips. Shpg. wt., 7 oz .
13 P 55205
Net 1.95
(f) LIghTWEIGRT LONE MOSE PLIERS, Ideal for all lypes of delicate work and for reaching into hard-to-get at places. Spring closing holds wires, nuts, screws, etc. Handy for mechanics, assemblers, hoboyists. $83 / 4^{m \prime}$ long. with soft plastic colored handies. Shpg. wt. 502.

14 P 26014
Net 1.39
(6) $91 / 2^{*}$ HEAVY OUTY WATER PUMP PLIERS. Drop forged arc joint slip-groove for blg leverage on work you can't get with other gripping tools. Fully chromed and polished pliers offer maximum leverage and stren th . 5 adjustments. 1" parallel opening. Deep millied jaws made of chrome vanadium steel. Insulated handies. Imported. Shpg. wt.. $11 / 4$ los.
14 P 55211
Net 2.29
(H) 10* PLI-GRIP WRENCH WITH QUICK RE. LEASE. Made of high quality chrome motyb. denum steel. All purpose drop-forged steel jaw for flat, round, or hex wort. Quick fingertip release lever permits convenient one hand operation. Has spring tension adjustment and bright plated finish. Imported. 13 P 55999 Shpg w $13 /$ ibs Not

## ICHAM MED INCKI <br> ELECTRONIC PLIERS <br> 738G <br> 

Forged from high grade steel, precision machined. Specially designed for fline electronics work. Long slender reach... precj-sion-matched jaws . . . hand-honed, speclally hardened cutting edges. The 738G Iong reach, round nose will pick up a human hair with its precision machined parts. The 7286 -long reach diagonal cufters have a patented wire stripper that really works. With dipped plastic grips. Shpg wt., 10 oz .
738G Round Nose 8 Long
13 P 30026 .............................N
3 P 30034 .......................................... 4.29
REVOLVING LEATHER PUNCH


Has 6 standard punching tubes. Made of long lasting tempered steet. Imported. 14 P 61144 Shpg. wt., 13 ozs. Net 1.69

## SUPER ELECTRICIANS KNIFE

For handymen and electriclans. 3 high-carbon steel blades: knife, skinning and screwdriver, which lock open. Solid tenite handle with belt loop. size $31 / 2^{\prime \prime}$. Shpg. wt., 6 ox.
14 P 28507

## AUTOMATIC WIRE STRIPPER AND CUTTER

ONLY

- Automatic StayOpen Feature
For any size wire, stranded or solid. Adjustable arm for varying wire size. Made of hardened tool steel finety ground cutting edges. Bulit-in spring holds cutter open. Has ring-latch to hold blades in closed position. Shgg. wt. 602.
14 P16502
Net 1.49



# Professional Screwdrivers-Nuttdrivers 


(A) SERVICE MASTER TOOL KIT

- Versatile - 23 Piece Set - Quick-Change Tools
- Durable, Roll-Up Vinyl Canvas Case

Model 995 m - Valuable kil has: pliers $-6^{\circ}$ long nose and $5^{\prime \prime}$ diagonal; $6^{*}$ adjustable wrench; 9 regular nutdrivers $3 / 16^{*}$ through $1 / 2^{*}$; 3 stubby nutdrivers, $1 / 4^{\prime \prime}, 5 / 16^{\prime \prime}$ and $3 / 8^{\prime \prime}$; Phillips screwdriver; 2 slotted screwdrivers, $3 / 16^{\prime \prime}$ and $1 / 4^{\prime \prime} ; 2$ reamers; extension. Shipg. wt., $31 / 4 \mathrm{lbs}$.
13 P 46436
Net 29.03

## (B) "TRAY BIEN" NUT DRIVER SET

- Solid Shaft 7 Color Coded Nut Drivers
- Carrying Case for Bench Caddy or Wall Mounting

Model 127 TE molded plastic bench tray has foid away stand. Holds tools securely yet permits easy removal. Hen sizes $3 / 16^{*}, 7 / 32^{\prime \prime}$. $1 / 4^{\prime \prime}, 9 / 32^{\prime \prime}, 5 / 16^{\prime \prime}, 11 / 32^{\prime \prime}, 3 / 8^{\prime \prime}$. Shpg. wt.. $11 / 4 \mathrm{lbs}$ 13 P 46469
(B)


## रबता



(C) NUT DRIVER SCREWDRIVER SET

- 14 Piece Nut and Screwdriver Set
- Durable Plastic Roll Kit

Model 99PR-Thirteen interchangeable nut drlvers and screwdrivers. Nine nutdrivers, $3 / 16,7 / 32,1 / 4,9 / 32,5 / 16,11 / 32,3 / 8,7 / 16$, $1 / 2^{\circ}$. Slotted screwdriver $3 / 16^{\infty}$ and $1 / 4^{\circ}$. Phillips screwdrivers (S1 and 42). Handle. Roll up kit. Shpg. wt., 133 lbs. 13 P 46212

Net 9,60

## (D) "TRAY BIEN" NUT DRIVER SET

- Hollow Shaft-7 Color Coded Nut Drivers
- Carrying Case for Bench,Caddy or Wall Mounting

Model 147ra contains 7 hollow shaft color coded nut drivers. (Hex sizes $1 / 4^{\prime \prime}, 9 / 32^{\prime \prime}, 5 / 16^{\circ}, 11 / 32^{\prime \prime}, 3 / 8^{\circ \prime}, 7 / 16^{\prime \prime}, 1 / 2^{\prime \prime}$.) Housed in attractive isnap loch" case for sécure holding and easy removal. 13 P 46477 Shpg. wt., 2 lbs.

## COMPACT DOUBLE DUTY TOOL SETS

(E) PS. 120 COMPACT NUTDRIVER SET- 10 nutdrivers, $31 / 2^{\circ}$ pocket. size. Piggy.back "torque amplifier" handle slips over pocket tool handles, gives grip and power of standard drivers. See.thru plastic case, slimmed to if your pocket; stands on flat base. $\%$. $/$,


Net 6.15
(F) PS-130 SCREWORIVER ANO NUTDRIVER SET. Se of three slotted screwdrivers ( $4 /$, hin, $1 / 4$ ), two Phillips screwdrivers ( 11, (2), and
 fier" handle and case. Shpg. wto. 撸 lb
13 P 46568
Net 5.05
(G) PS as SCREWDRIVER SET-Compact. for bench and pocket. Set has 5 slot tip screwdrivers: $1 / 20,1 / 4, K_{3}, K_{0}, 1 / 4 ; 3$ Phillips screwdrivers: * 0 , 1 . 2 . All $34 / 2$ "pocket size plus $1 \times 344^{\prime \prime}$ hollow hande. See thru plastic case, stand-up base. Shpg.wfi, 907. 13 P 46444

Net 4.47
(W) 99PS.50 SET OF SCREWORIVERS.NUTDRIVERS COntains seven nut-
 Ko" and Kn"; 1 and 2 Phillips screwdrivers; an extension blade (adds 4 " reach to single end blades) regular handle $1^{1}$ is $\times 4 \% \%^{\prime \prime}$ Easy to work with in space-saving, conventent see-thru plastic case with flat base that stands up on work bench. Shpz. wt.. It/2 lbs. 13 P 46451




HIGH QUALITY CHROME VANADIUM SHAFTS-UL HANDLES


## SLOTTED BLADE SCREWDRIVERS

stoch No. Type $z$ Shath slze Overall Nef

| 13 P 46246 | P144 | $4 " \times 1 / 4{ }^{\prime \prime}$ | $8{ }^{\prime \prime}$ | 1.11 |
| :---: | :---: | :---: | :---: | :---: |
| 13 P 46253 | R146 | $6^{\prime \prime} \times 1 / 40$ | $10^{\prime \prime}$ | 1.22 |
| 13 P 46261 | R148 | $8{ }^{\prime \prime} \times 1 / 40$ | 12" | 1.28 |
| 13 P 46279 | R182 | 2"m10" | $242^{\prime \prime}$ | 47 |
| 13 P 46287 | R183 | $3 " 1480$ | 5 | . 44 |
| 13 P 46295 | R184 | $4^{\prime \prime} \times 1 / 8^{\prime \prime}$ | 642" | . 54 |
| 13 P 46311 | R188 | $8 \times 46^{\prime \prime}$ | 104/2 | . 71 |
| SET-SCREW | TYPE - with pocket clip |  |  |  |
| 13 P 46329 | R1841/2 | 4"xty" | 6 | . 47 |
| 13 P 46337 | $R 3323$ | $3^{\prime \prime} \mathrm{E}^{2} \mathrm{y}^{\prime \prime}$ | $5^{\prime \prime}$ | . 44 |
| PHILLIPS | REWD | VER | lloy | teel |
| 13 P 46345 | X101 | $3^{* *} 1$ | 64/2" | 91 |
| 13 P 46352 | $\times 102$ | 4 " ${ }^{\prime \prime} 2 \mathrm{pt}$ | $73^{\prime \prime}$ | 1.11 |
| 13 P 46360 | $\times 103$ | $6^{* *} 3 \mathrm{pt}$ | $10^{\circ}$ | 1.62 |
| 13 P 46378 | X108 | 6" ${ }^{*} 1 \mathrm{pt}$ | $10^{\prime \prime}$ | 1.08 |

Stock No. Type \# shaft Size Overall Net 13 P 46485 HS-6 13 P 46493 HS-7 13 P 46113 HS-8 13 P 46501 HS-9 13 P 46121 HS. 10 $\begin{array}{lll}13 \text { P } 46121 & \text { HS. } 10 \\ 13 \text { P } 46139 & H S .11\end{array}$ 13 P 46147 HS. 12 13 P 46519 HS. 13 13 P 46154 HS-14 13 P 46527 HS- 15 13 P 46162 HS-16 13 P 46170 HS 18 13 P 46188 HS 13 P 46188 HS-20 13 P 46535 HS. 22

Shpg. wi., 602.

|  | 61/4" | 1.15 |
| :---: | :---: | :---: |
| 7/3" | 614** | 1.15 |
| 1/4* | $7{ }^{\prime \prime}$ | 1.15 |
| \%" | 7" | 1.15 |
| K** | 7"' | 1.15 |
| $11 / 32$ | $7^{\circ}$ | 1.15 |
| \%" | 7"' | 1.15 |
| 1\%/3* | 714" | 1.32 |
| \%6" | 71/4" | 1.32 |
| "373" | 71/4" | 1.32 |
| $1 / 2 *$ | 71/4" | 1.32 |
| \%" | 71/" | 1.36 |
| $56^{\circ \prime}$ | $7{ }^{\circ}{ }^{\circ \prime \prime}$ | 1.55 |
| "\%" | $756{ }^{\prime \prime}$ | 2.36 |
| 3/4* | 759" | 2.36 |


| Exiremely handy tool for assembling and disassembling. It's $1 / 4$ and $1 / 0^{\circ "}$ nut driver. a no. I Phillips screwdriver, and a Ko ${ }^{\text {a }}$ slotted screwdriver. Shpr. W1., 502. <br> 13 F 46238 <br> Net 1.92 | 4-WAY POCKET TOOL |
| :---: | :---: |

XCELITE POPULAR 6 PIECE SCREWDRIVER SET


- In Handy See-
${ }^{0145^{50}}$ Thru Plastic Case
Model Saxi3. Assorted popular sizes to meet the requirements of a great variety of service, production and maintenance applications. High quality chrome vanadium blades with lough shockproof plastic (UL) handles. Set includes 4 slofted blade screwdrivers $1 / 4 "$, K" " $1 / /^{" \prime}$ and $K_{0}^{\prime \prime}$, and 2 Philips Type "1-tif" and \#2-1/4" overall lengths $65 /{ }^{\prime \prime}$ " 10 $101 / 4$. Shpg. wt., $11 / 2$ lbs.
13 P 46550


# SELECTED TOOLS for The Hobhyist <br> <br> - MINIATURE TOOL SET 

 <br> <br> - MINIATURE TOOL SET}


- In Handsome Leatherette Case

Here's a practical set of 6 Individual small tool sets each with chuck-type handes for the sportsman, hobbyist, do-lt-yourselfer, TV, and M.fi enthusiast. SC-5 Tiny Screw Driver \& Awl Set (Sizes: $.055^{\circ}, .070^{\prime \prime}, .080^{\prime \prime}, .100^{\prime \prime}, A w 1$ ), PA-5 Tiny Phillips Orlver \& Aleo
 Tiny Sechet set (Hex Sizes: $5 / 64^{\circ}, 3 / 32^{-}, 7 / 64^{\sim}, 1 / 8^{*}, 5 / 32^{-}$); OE-S Tioy Oftset Open End Wrench set (Sizes: 5/64 $, 3 / 32^{\circ}, 7 / 64^{\circ}$, $1 / 8^{*}, 5 / 32-3$; T3.5 Tiny Tap Set (Sires: $0-80,1-72,2-56,3-48,4-40$ ); \#70 Tiny Tap Orill set (Sizes: $364^{\circ}, \$ 53, \$ 50^{2}, \$ 47^{2}, 43$ ). 14P 27095 Shpg. wt., $7 / 4$ Ib

Net 24.95 movel SC- 5 screwdriver and Awl Set (enly)
14 P 27012 Shpg. wt., 4 oz
Net 2.25

## SELF-ADJUSTING SOCKET WRENCH

## - Adjusts Automatically from $1 / 4$ to $7 / 16^{\prime \prime}$ <br> 295

 Now one tool replaces many socket wrenches! Simply press this wrench on any bolt or nut from $1 / /^{"}$ to $k_{0}$ " in size and it automatically selects the right socket to fit, no other ad fustments needed. High tensile strength soch ets minimize slippage, provide high torgue. Accommodates bort extensions up to $1 \mathrm{~K}_{4}$ " long. Chrome plated ateel housing, insulated handle, Length $6^{\prime \prime}$. Shpg. wt., $1 / 2$ it. 14 P 22500Net 2.95
6 PIECE HOLLOW SHAFT NUT DRIVER SET
 $2^{69}$

## - Heavy-Duty

 Plastic Handle - Made in U.SAHeavy duty nut drivers with plastic handie. Hollow blade permits tightening of nut over long screws... slim-line styling reaches anywhere. Blade features rus proof finish. Sizes: $3 / 16,1 / 4,5 / 16,11 / 32,3 / 8$ and 7/16"- Each nut driver is $51 / 2^{-2}$ long. Made in U.S.A. Shpg. wt., 1 lb.
13 P 55833
Net 2.69


Nine-piece nutdriver set has precision. ground, hardened and tempered rust-proof finish blades, with color-coded handles. Hex openings: Black-1/8* clear-3/16" blue-7/32", amber-1/4 , orange-9/32 , yei' low-5 16", green-11/32\%. red.3/8\%. Ore interchangeable large handle.
13 P 56195 Shpg. wi., $3 / 4 \mathrm{lb}$
Net 2.69


- Hardened, Tempered, Rustproof Blades Perfect for the hobbyist, jewelry and electronic trades. This precision 6 piece screw driver set has sizes from $\$ 1$ to $\$ 6$, width of blades $0.8-3.8 \mathrm{MM}$. All have knurled handes with swivel heads. Chrome plated brass handies with diameter of 3.5-8.0 MM Blades are hardened, tempered and rustproof for rugged use. Complete with handy plastic Indezed case with hinged cover. mported.
13 P 56039 Shpg. wt., $3 / 4 \mathrm{lb}$. ... Net 2.49

- Handy Form Fitted Case Nine-piece screw driver set with color coded piastic handles and hardened, tempered rust-proof finish blades. Includes: Slotted: (green. $5 / 16^{\circ}$, black-5/32- red. $1 / 8^{\circ}$. orange $3 / 16^{-}$, jellow- $1 / 44^{-}$) phillips: (blue-: 0 , orange- $t 1$, yellow-w2). One interchangeable large handle.
13 P 56179 Shpg. wt., 1 tbs
Net 2.55

- Precision Ground Drop-Forged Steel - Convenient Plastic Case

Set features one jumbo grip plastic handle and the following hardened, tempered, rustproof interchangeable blades: 2 slotted screwdriver blades- $3 / 16^{*}, 1 / 4=; 2$ Phillips screwdriver blades- $\$ 1, \# 2 ; 7$ nutdrivers sires: $3 / 16^{\circ}$, $7 / 32^{\prime \prime}$, $1 / 4^{*}{ }^{\circ}, 9 / 32^{\circ}{ }^{\circ} 5 / 16^{\circ}$ $11 / 32^{\prime \prime}, 3 / 8^{\prime \prime}$ Hex openings. $11 / 0^{5 / 16}$ holé depth. One $4^{\text { }}$ extension blade. Compact, sturdy case. 13 P 56187

Features exclusive automatic feed trigger and finger tip thermostat control, handy "on-off" switch plus contoured handle. You get 60 second bonding for wood, tile, leather, fabrics, metals, masonry; or caulking. Thermostat control has three heat ranges for "iding." "normal operation" and "extra flow.""Open/Close" nozzte contro valve wrench included, Rated 70 watts at 120V., AC/OC. UL Ifsted. Size: $63 / 2 \times 41 / 2^{\prime \prime}$. Made of black heatresistant phenolics. 13 P 58217 Shpg. wi., $11 / 4$ lbs.
Pkg. of 8 Hot Meit Glue Sticks
33 P 58225 Shpg. wt., 402.
Net 7.50
Pkg. of 8 Hot Meit Caulk.
Net .49
13 . 58233 Shpg. wt., 4 oz .
Net .49

- Automatic Feed Trigger
- Finger Tip Control Thermostat


# High Quality Drop-Forged Steel Socket Sets 

17 PIECE $1 / 4^{\prime \prime}$ DRIVE


## 21 PIECE $3 / 8^{\prime \prime}$ DRIVE



- CHROME PLATED

Heavy chrome plated socket set Contains

 $41 / 2^{\prime \prime}$ cressbar, $51 / 2^{\prime \prime}$ reversible ratchet. Each set packed in heavy gauge storage box. Imported. Shpf. wt., 21/6 lbs.
13 P 55643
Net 5.95
21 PIECE $1 / 4^{\prime \prime \prime}$ AND $3 / 8^{\prime \prime}$

- CHROME PLATED
- Chrome plated

Precision quality socket set. Contains: 12 Pt

 \%"". 12 P. deep socket sizes: s/o "11" " $6^{\prime \prime} "$ " "/3s". Plus $3^{\prime \prime}$ extension, $9^{" \prime}$ flex handie. $6^{*}$ "crossbar, universal joint, $8^{\prime \prime}$ reversible ratchet. Packed in heavy gauge stotage box. Imported. Shpg. wt., 7 lbs. 13P55650

Nel 15.95

## 11 PIECE 3/8" DRIVE

 METRIC SET

Handy socket set for foreign car and motorcycle mechanic. Includes 7 mm . socket sizes $-9,10,11,12,14,17$ and $19 \mathrm{~mm} ; 3^{2}$ extension; $71 /{ }^{"}$ " reversible ratchet; and 13.0 " spark plug socket (with neoprene insert). Th heavy gauge storage box with molded inlay. Imported. Shpg.wt., 3 los.
ported. Shpg.

[^23]Contains: $1 /{ }^{\prime \prime}$ drive. 6 PT socket sizes: 3 "
 spinner handle, $3^{\prime \prime}$ extension, $6^{\prime \prime}$ extension. \%" drive: 12 Pt. socket sizes: Yo", $5 /{ }^{\prime \prime}$ ", "\% ${ }^{\circ}$ spark plug socket (with neoprene insert). adaptor; $\mathrm{F}^{\prime \prime}$ to $1 /{ }^{\circ}$ drive. In heavy gauge


19 PIECE $1 / 2^{\prime \prime}$ DRIVE


## - Chrome Plated <br> $22^{75}$

Quality steel precision socket set. Contains:

 plug socket with neoprene insert. Plus: $5^{\prime \prime}$ and $10^{\prime \prime}$ extension, $15^{\prime \prime}$ flex handie, sliding T-bar, $17^{\circ}$ speeder handle, $10^{* *}$ reversible ratehet. Packed in heavy gauge box. Imported. Shpg. wt., $12 \%$ lbs. 13 P 55635

Net 22.75

## 25 PIECE $3 / 8^{\prime \prime}$ DRIVE METRIC SET



All sockets have 6 and 12 points. Includes 13 metric standard sockets, 8 metric deep sockets, plus spark plus socket, $3^{\prime \prime}$ extension and $8^{\prime \prime}$ ratchet. All $\mathrm{K}^{\prime \prime}$ drive. Sizes: Standard Socket: 7 - 19 mm . in 1 mm . in crements; Deep Socket: $10 \cdot 17$ and 19 mm . in 1 mm . increments, In heavy gauge storage box. Shpg. wt., $51 / 4$ lbs.
13 P 56203
Net 16.45

## PROFESSIONAL TORQUE WRENCHES



Chrome plated $1 / 2^{*}$ drive square with accurate pointer indicating torque applied in either direction in ft/tos. Direct reading scale callbrated to measure standards traceable to the National Bureau of Standards. Overall length $201 / 2^{\prime \prime}$. Scale graduated in $5 \mathrm{ft} / \mathrm{lb}$. steps. $0.100 \mathrm{ft} / \mathrm{ib}$. Popular model for auto work. For normal auto mainten. ance. Shpg. wt., 2 y tbs.
13 P 01415
$0-150$ fe/ib. unit for larger displacement engines, trucks,
Net 12.50
13 P 01423 Shpg. wt., $21 / 2$ lbs.
Net 14.70


## 3/8" SQUARE DRIVE "HAMERENCH" TM

## REVERSIBLE HAND IMPACT TOOL

- Tightens or Loosens Stubbom, Frozen Nuts or Screws

Periect for the do-lityourself mechanlc. No air or electric power needed. Just attach driver bit, and pound with hammer. Hammer shock and torque tightens or loosens screw or nut quickly. Use for automotiles, snowmobiles, boat motors, motorcycles, etc., on screws of nuts subject to rust, corrosion, and vibration. Comes complete with $Y_{10}$ " hex adapler, $Y_{10}$. slotted screwdriver, \#2 and \#3 phillips bit, and metal case. Less $3 /{ }^{\prime \prime}$ " sockets. Shpg. whe, $4^{3 / 4}$ los. 14'P12501

Net 9.95


Includes $10^{\prime \prime}$ reversible rubber grip ratchet hande with liexibie head, $3^{\prime \prime}$ extension, and "K/" spark plug socket with neoprene in. sert. All parts of chrome-plated drop-forged steel. Shpg. wi.. $12 / 2$ lbs. 13 P 58260 . Net 5.95 \%" Spark Plug Socket. With neoprene insert. Shpg. wt., H/4 Ib. 13 P 56237

Net 1.09

5.Piece Open-End wrench Set. Made of fine drop forged alloy steel. Both openings and body of wrench have a mirror finish, Sizes: Xo:"
 clip. Shpg. wi., 1 y $/$ lbs.

Net 2.69 13 P 55866 Fig. A
5. Piece Open-End Metríc wrench Set. Same quallty as above. Sizes 8 mm thru 17 mm . Shpg. wt., $1 \mathrm{~V} / 4 \mathrm{lbs}$.
13 P 56146 Fig. $A$

## Work Benches－Shelves • Pumps <br> \section*{Hirsh stel storage sheves}

－Combines Strength and Beauty

－Unlimited Arrangements for All Storage Needs
Here＇s the bright，modern look in steel storage shelving ideal for offices．ga－ rages，stores－anyplace where both strength and beauty dictate your storage needs．Shelf clip is an easier and quick－ er method of shelf aftachment．Solit posts permit alternate arrangements of a single unit and an unlimited number of multiple unit arrangements to meet ev ery storage and space requirement．Tex－ tured silver shell finish resists flaking． peeling，rusting：grey posts．
4－shaif Unit： 60 M y 30 w I $1 \mathbf{2}^{\prime} \mathrm{D}$ ．
Shpg．Wt． 14 lbs ．
13 P18567W ．．．．．．．．．．．．．．．．．．．．．．Net 5.95
5 －shelf Units 72 H ェ $36 \mathrm{~W} \times 12^{\prime \prime} 0$ ．
Shpg．wt．， 21 lbs．
13 P 18575 W
5 －shelf Unit： 72 H \＆ 36 W a 10 om ．
Shpf．Wt．， 36 lbs．
13 P 185916

## 12V．AIR PUMP AND EXHAUSTER

－Plugs Into Cigarette Lighter Receptacle －Inflates And Deflates Objects

## Effortlessly

This powertul and compact rotary air com． pressor is sure to be one of the handiest devices you＇ll ever ownll No more＂hulfing and puffing＂the next time you wish to in Hate air mattresses，pools，toys．blow－up furniture，etc．Deflating is just as easy your compressor will exhaust all the air mak． ing the folding and storage of your inflat able titems a cinch！with nozzle and $10^{\circ}$ cord． 2.7 dsi air pressure． 12 V DC．Imported 2.7 Dsi air press
Shpg．$w \mathrm{t} .11 / 2 \mathrm{lbs}$ ．
－Pumps $11 / 3$ Gallons Per Minute

Transters non－corro． sive liquids easily from container to contain－ er．Useful for empty ing clogged sinks， washers，fubs or use as a bilge pump for small boats，emplying widde Dools，Itsh tanks．or vacuumiclean－ ling aquariums．Pump housing，lubes，and impelier made of rust－ proof plastic for trou－ ble free performance． Pump has $131 / 2^{\prime \prime}$ draw tube，with $2142^{x}$ 月lexi－ ble plastic hose．Not for use with Gasoline，Ether，Benzine，Thin ner，and Corrosive liguids such as acid or alkal．Operates on 2 ＂$D^{\text {＂}}$＂Cells，not in． cluded．Imported Shpg．wt．， 1 lb ． 99 P 80012 O Cell for Above（2 req．）
99 P 63661
99 P 63661
13 P 52004

## LAFAYETTE UTILITY PUMP


95

368


STEEL FRAME WORK BENCH

Includes Tool Rack，Peg Board Back Panel and Bottom Shelf

A new alt－steel frame work bench that is the ultimate in conven－ lence and serviceablility．The rigid，all steel trame is the core of this complete workshop that will last for years．Features a blg $24 \times 48^{\prime \prime}$ wort 100 of special． heavy－duty，compressed high． impact board to withstand the
roughest use．Matching bottom shelf offers handy storage space． Convenient tool rach with per board bach panel．Base on each lez gives eatra support and can be bolted down if desired．Easy－to－as－ semble． $341 / \mathrm{h}^{\prime \prime}$ high．（Toovs not included．）Shpg．Wt．， 63 libs． 13P35041wx

Net 19.95
ALL－PURPOSE BENCH FRAME
It＇s easy to make a bench for every purpose －In the garage，store，house，laundry room， playroom，etc．Heavy gauge steel，completely pre－drilled，ready－to－assemble－lust add the top．For larger benches，combine 2 or more． Overall： $221 / 2 \times 471 / 2 \times 34^{\prime \prime}$ nigh．Shpg．wi．． 161／4 lbs． 13 P 35017W TOOL Rack Prepunched to fit frame， $46^{\circ} \mathrm{L}$ 41／2＂H．
13 P 35025 W Shpg．wt．， 3 lbs．Net 2.25
＇ADD－A－DRAWER＂
In only seconds you get a per． manent drawer under any flat surface－table，bench，cabinet shelf，desk，efc．Completely as sembled－comes with 2 brackets and 4 screws for easy installation．
 All－steel drawer with handy knob． Gray can be repainted any color of your chaice．Drawer size： $12 \times$ $12 \times 31 / 2^{\prime \prime}$ ．Shpg．wt．， $31 / 2 \mathrm{lbs}$ ．

Net 6.95
 will lift up to 50 times its own weight． Horseshoe shape with plated keeper．Ideal for such applications as magnetic clutch， work holding，efc．Size $11 / 2 H \times 11 / \mathrm{D}_{\mathrm{F}}=13 / 4{ }^{-} \mathrm{W}$ ． Distance between Doles is $\geqslant /{ }^{*} \%$ ．Imported from England．
14 P 33028 Shpg．wt．\％／4 tb．．．．．Net 3.29
a special＂Alni．BUTTON MAGNETS
14 P 33028 Shpg．wt．，\％／4 Pb．．．．．Net 3.29
a special＂Alni－BUTTON MAGNETS co＂button care－ fully desizned to produce a highly efficient mag

nefic fietd．Attachable to any non－terrous materlal by non－magnetic serews，ldeal tor use most everywhere as magnelic lasteners． Supplied with plated keeper．Imporled from England．Avg．shpg．wi．， 4 oz．

| stock No． | Height | Dis． | $\begin{aligned} & \text { Mis. } \\ & \text { Hole Dia. } \end{aligned}$ | $\begin{aligned} & \text { Net } \\ & \text { Ea. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 14 P 33093 | \％${ }^{\text {a }}$ | $1 / 2{ }^{\prime \prime}$ | 11／4 | 69 |
| 14 P 33101 | 1／2＂ | $7 / 4$ | K | ． 99 |
| 14 P33119 | $5{ }^{\circ}$ | $1=$ | $\chi_{0}{ }^{\prime \prime}$ | 1.49 |

## WIRE BENDING JIG



Handi－Bender forms wire sizes up to $1 / 4^{\prime \prime}$ dia．Steel slots and steet bending pins make basic bends such as eyes，angles．curves， circles，and for stralghtening wire．Makes dozens of useful and decorative articles． Complete instructions included．
14 P 70103 Shpg．wt．， $1 / 2 \mathrm{lb} . . .$. Net 1.19


## （A）POP RIVETOOL KIT

Rivet metal to metal．plastic to wood，fabric to labric．Easy to operate，just insert rivet into tooi．place in pre－drilted hole and squeere－you have a strong rivet joint．Ideal for hobbyists．eiectronics，household and auto repairs．Kit lincludes riveter，and supply of rivets of various sires．Uses $1 / \mathbf{m}^{-2}$ rivets． Shpg．wh． $11 / 2$ tbs． 13 P 54018

Net 2.95
（B）DUAL RIVETOOL KIT
Contains the new＂Pop＂rivetool with two Interchangeable nosepieces to set we＂steel and aluminum and 3 ＂，aluminum＂Pop＂ rivets．Includes $1 / s^{\circ}$＂and aluminum＂Pop＂rivets in as． sorted lengths，and backup plates．Shpg． wt． 1 is ibs． 13 P 54083

Net 4.95

## RIVETS FOR ABOVE KITS

y／Rivets Steet Av．Shpg．wt． 4 oz．

| Stoch No． | Oty． | Work Tictness | Net |
| :---: | :---: | :---: | :---: |
| 13P54026 | 25 | 1／20 | 49 |
| 13 P 54034 | 20 | V／4 | 49 |
| 13 P 54042 | 15 | 12＂ | ． 49 |
| ＊000 Rivets Aluminum |  |  |  |
| Stock No． | Cty． | Wort Thickness | Not |
| 13 P 54091 | 15 | $1 / 4^{\circ}$ | ． 49 |
| 13 P 54109 | 12 | 12＂ | ． 49 |
| Back－Up（irsinforcing）Plates |  |  | ． 48 |
| Stich Mo． | aty． | Rivet Size | $t$ |
| 13 P 54059 | 40 | \％＂ | ． 49 |
| 13 P 54125 | 30 | 大。＂ | ． 49 |

# Tools and Tool Boxes 

## MECHANICS' FOUR TRAY CANTILEVER TOOL BOX

- Full Size Storage Compartment -PLUS-
Four Easy.
Glide Canti-


Professional quality tool box. Ideal for machinists, electronics and automotive repairmen, Double cover swings out for easy access to each compartment, Bottom compartment large enough 10 store bulky tools. Extra-heavy gauge steel. Heavy-duty round handles and padiock eyes for locking. Handsome baked blue enamel finish. Overall size: $17 \times 8 \mathrm{~W} \times 8 \mathrm{y} \mathrm{q}^{\mathrm{m}} \mathrm{H}$. Shpg. wt., 16 tbs.
13 P $56104 W$
,Net 10.95
Long lasting, electrically welded heavy gauge steel construction with full-length hinge. Perfect for the homeowner, mechanic, or handyman. Plated handle will not break or pull out. Iht-out tray for smaller tools. Large storage area for bigger lools. $19 \mathrm{La} 7 \mathrm{Wa} 7 \mathrm{H} / \mathrm{a}^{\prime \prime} \mathrm{D}$. Shipg. wt., 7 lbs.

$$
\text { 13.P42500w ....Net } 4.95
$$



## STEEL TOOL AND UTILITY BOX

$1312^{\prime \prime}$ long tool box. Cantilever tray with four compartments. Room enough for soldering iron, pliers, screw drivers, wrenches, etc. Pushbutton catch with hasp for lock. Full grip handle. Bated enamel in glossy finish. $131 / 2 \mathrm{~L} \times 64 / 3 \mathrm{~W} \times$ $5^{\prime \prime} \mathrm{D}$. Shpg. wt., 4 lbs. 14 P 86067


## POW-O-MATIC STEEL TAPE

Power push-button 12. yellow steel • Push Button measuring tape. Easy to read, red and black. Ft. and inch markings. Kic" and $1 / 6^{" k}$ graduations, with rip belt clip.
14 P 16056 Shpg.wt., 1 lb . Net 2.79
$3 / 4 \mathrm{in}$. $\times 12 \mathrm{ft}$. 20 013


## SELF LOCKING HASP-LOC

Sell contained; no need to purchase a separate padiock. No keys required to lock: keys used for opening only. Heavy duty and rust proof. Size $442^{\prime \prime}$ with 2 keys.
13 P 75054 Shpg, wt., 1 lb . Net 2.95

## $2^{95}$

## BADGER HOBBY \& TOUCH-UP AIR BRUSH KIT

## Only 795

- Complete with Air Brush. Vinyil Hose, Air Valve, Mixing Jar, Thinner, 4 Jars Paint, and Instructions
 homemaker. For protessional refinishing or Invisible touch-up on appliances. furniture, boats, cars, etc. Easy to use, air brush features high impact Delrín body, adjustable paint tip for tine or heavy spray. 15 oz . aerosol power pack with vinyl hose and on-oll air valve metai controls. Comes with 4 lars of paint-RED, YELLOW, BLUE, BLACK. Easy-10.follow Instructions.
13 P 45537 Shpg. wt., 3 lbs.
REPLACEMENT POWER PACK
13 P 45529 Shpg. wt., $11 / 2$ lbs.
Net 7.95
- Sec Page 23 for Full Delails on Easy Pay Plan


## HEAVY DUTY MACHINIST'S CHESTS

## $42^{95}$

- Electrically Welded Heary Duty Steel - Ten Felt-Lined Drawers
- Pin-Tumbler


## Chest Lock

 10 Orawer Machinist Chest with 10 felt Hned drawers for storage and protection of tools. Rug. ged construction with integral full length hinges, and full suspension drawer slides for full extension of each orawer. Removable front panel locks when cover is closed and stores below drawers in a fitted compartment when open. Overall slize: $81 / 2 \times 171 / 2 \times 20^{\circ}$. Tilt in top $81 / 2 \times 4 \times 20^{\circ \prime \prime}, 6$ drawers $71 / 2 \times 1 \times 854^{\circ}$. Others $71 / 2 \times 2 \times 850^{\circ}$, $74 / 2 \times 11 / 2 \times$ $181 / 4^{\prime \prime}, 71 / 2 \times 23 \times 181 / 4^{\prime \prime}, 71 / 2 \times 3 \times 181 / 4^{\prime \prime}$.
13 P 19540 W No Money Down'. Shpg, wt., 30 lbs, $\qquad$

## 3 DRAWER TOOL CHEST

## only $16^{95}$

An all purpose ruggedly constructed 3 drawer carrying type chest. Drawers have full suspension slides. Drawers may be locked in place even If cover is closed. Features electrically welded heavy gauge steel and baked enam. el sillicone treated tinish. $\mathbf{0}$. mensions: Box-81/2Dx104/aH $x 20^{\prime \prime}$ long: 3 drawers- $71 / 2 \mathrm{D} \times 11 / 2 \mathrm{H} \times 181 / 4 \mathrm{l}$ 13 P 19508 w Shpg. wt., 18 ibs.

## 11 PIECE COMBINATION WRENCH SET

## 11 <br> 50

- Full Professional Size
- Handy Vinyl Roll-Up Kit


11 Piece Combination Box and Open End wrench Kit. Drop forged


 13 P 56138

Net 11.50

## 11 PIECE METRIC COMBINATION WRENCH SET

Same quality as above, Sizes: $7 \cdot 15,17$ and 19 mm . Length of wienches $4 "$ to $97{ }^{\prime \prime}$ "long.
13P56278
Net 9.95

## ADJUSTABLE END WRENCHES

## AS LOW AS



Fully Drop Forged
Adiusts laws with a flick of your thumb . . . oversized knurl speeds opening and closing. Entire wrench is made of drop forged steel and fully polished. Thin head gets into tight places easily. Extra long for better leveraze.

| Stock Mo. | Size | Max. Jaw open. | Shpg Wt. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 13P55668 | $6{ }^{-1}$ | $3 / 4$ " | 8 oz. | 1.89 |
| 13 P 55676 | $8^{* \prime}$ | 1 " | 11 oz | 2.39 |
| 13 P 55684 | $10^{*}$ | 11/3" | 1 lb | 3.19 |
| 13 P 55692 | 12 | 13 \% ${ }^{\prime \prime}$ | 17/4 los. | 3.95 |

## Sprayers for Handyman-Professional-Hobbyist

## SPANYIT. 120 Hanorman spraver



Convenient Self-Contained Sprayer

- Sprays Oils, Paints, Insecticides, Liquid Wax - Designed for Home Owner or Hobbyis!

This economy priced portable sprayer is one of the most convenient self-contained sprayers built. It combines portability with high performance, making it perfect for spraying fences, screens, furniture, insecticides, etc. It teatures an oll-less heavy duty diaphragm type compressor. A lightweight constant air flow pressure-feed gun gives excellent results with all sprayable materials. Includes 8 ft, rubber air hose and 6 ' electric cord. For 117 V AC. Shpg. Wi., 12 lbs.

Net 31.50

## 14 P84153W NoMoney Down* <br> HEAVY DUTYTYPE SPRAYER

## $39^{95}$



## SWIPPEO PREPAIO FROM FACTORY WITWIN CONTINENTAL UNITED STATES - NO C.O.D.

SEND FULL REMITTANCE OR USE LAFAYETTE'S EASY PAY PLAN
1/2 H.P. SINGLE CYLINDER-Displaces 3.2 CFM
All purpose $1 / 2$ H.P. portable electric sprayer for use in your home, garden, workshop or garage. Great for spraying paint, insecticides, moth proofing, and fumigating as well as painting. Cylinder has 21/a' bore $\times 17 / 4$ "stroke, aluminum head, bronze oll.lite bearings. Delivers 1.75 CFM at 40 PSI and 1.2 CFM at 100 PSI . Automatic pressure switch charges the $\mathbf{1 2}$ gallon reserve tank at 70 PSI and turns off at 100 PSI. Lightweight aluminum 1 quart pistol grip spray gun has adjustable spray controls and regulator with gauge. Other features inctude: safely valve, reserve gauge, shut-oH, Fan type frwheel, 15 hose with tape chuck and $8^{\prime \prime}$ wheels for easy mobility. For 117 VAC 60 Hz . Shpg. wt, 95 lbs.
14 P67505wXZ No Money Down* ...............................Net 119.95
$3 / 4$ H.P. SINGLE CYLINDER-Displaces 3.6 CFM
Similar to above but with increased air delivery ( 2.4 CFM at 40 PSI. 1.7 CFM at 100 PSI) and 15 gallon reserve tank. Shpg. wt., 97 lbs. 14 P67513WXZ No Money Down*

.................................. 149.95

## 1 H.P. TWD CYLINDER-Displaces 8.2 CFM

Similar to above except with large twin cylinder. Block with $23 \mathrm{Ha}^{\text {" }}$ bore $\times 2$ " stroke, needle roller bearings, Swedish steel values for more air, (5.6 CFM at 40 PSI, 4.7 CFM at 100 PSi), 15 gallon reserve tank for reduced air supply pulsation and bigger $10^{\prime \prime}$ wheels for greater mobiltity over lawns as well as indoors. Reserve tank pressure adjusted to 80 PSI compressor restart. Shpg. wt., 165 lbs.
14 P 67521 wxz No Money Down*
Net 199.95


All purpose spray-gun for auto touch-uD and refinishing, outdoor and household furniture, shutters, walls, shing, fences, etc. For use with water-base paints, enamels, acrylies, lacquers, and varnishes as well as spray insecticides for mothproofing. "Sprayali" comes in shatterproof polypropylene housing with unbreahable graduated 2802 . jar plus genuine sapphire jeweled nozzle and 5 -position spray control lever for adjustment to any job. For 117V AC. Shpg. wt., 2 lbs

## PORTABLE POWER GENERATOR WITH PERMANENT MAGNET ALTERNATOR

## $239{ }^{55}$

## No Money Down ${ }^{*}$

- Produces 115 Volts AC
- 3 H.P. Lauson Engine - 1250 Watt Continuous Duty

A compact, portable electric power plant for on-the spot electricity anytime, anywhere. Features a permanent magnet alternator that gives you more power and trouble-lree operation - no brushes, armature windings, belts, slip rings of commutators, Dependable Lauson 3 H.P., 4 cycle engine glves easy-to. start, longalife service hour after hour. $12 / 2 \mathrm{qt}$. capacity fuel-tank. Standard equipment includes: visual luel gauge, visual oil level indicator, Duplex receptacle, rubber shock absorbing feet, recoil starter and carrying handle. Portable Compact. 115 VAC

| Stock No | Continuous Duty | Shpg. wt. | Net |
| :---: | :---: | :---: | :---: |
| 13 P 49026 Wx | 1250 Watts | 70 dbs | 239.95 |

## SUBMERSIBLE POW-R-PAK PUMPS

- Corrosion Resistant
- Hermetically Sealed Motor
- For Circulating And Dispensing Water All-new Pow-R-Pak trouble free pumps for underwater use. Circulates and dispenses water and mild
 acid solutions for fountains, bever-

age dispensers, aquarlums, photo developing, air condifioning, etc. Permalubed, Corrosion resistant stainless steel and plastic unit. Overioad protection. threaded inlet and outlet. Outlet: E-200 has 1/4" std. pipe thread, E.400, 700 has $3 . \mathrm{m}^{\prime \prime}$ sid. pipe thread, Comes with 6 ft . cord. For 110 Volts, 60 Mz . AC. Average size: $27 \mathrm{is} \times \mathrm{A}^{\prime \prime}$.

6als. per Mr. At

| Stock No. | Model | $1 \mathrm{Ft} .3 \mathrm{Ft} .$ |  | Max |  |  | Shpg. wt. lbs. Net |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13 P 89048 | E-200 | 220 | 155 | 80 | 7. | 40 | 3 | 11.95 |
| 13 P 89055 | E-400 | 400 | 320 | 220 | 11. | 91 | $41 / 2$ | 15.95 |
| 13 P B9063 | E. 700 | 700 | 540 | 430 | 13. | 1.9 | 41/2 | 25.95 |

## 1300 GPH SUBMERSIBLE PUMP <br> - Standard Hose Connection Outlet <br> - Operates at Depths up to 40 ft . <br> - Double Epoxy CoatingWill not Corrode

Heavy-duty sump pump or basement bailer. Has long life carbon ceramic seal, thermo overload protection, and leaf strainer. Standard garden hose outlet. $3 / 4^{\prime \prime}$ std. pipe thread iniet. Ideal for many underwater applications, such as in pools, fountains, etc. Pumps gallons per hour: 1300 @ $2 \mathrm{ft} ., 1030$ @ 5 ft .810 @ 10 ft .600 @ 15 ft .300 @ 25 ft . Shut off © 40 ft .4 .5 amps load. $43 / 4 \mathrm{Hk} 7 \times \mathrm{D}$. 110 V 60 cy . AC. With cord. Shpg. wt., $91 / 4 \mathrm{lbs}$.
13 P 89030
Net 44.95

## MINIATURE PUMP AND MOTOR

- Raises Liquid up to $\$ 50$ 12 Feet
- High Capacity- $11 / 2$

Gallons per Minute 50


A molorized, miniature pump for the nobbyist and "Do-It. Yourselfer." Pumps liquids from container to container at the rate of up to 1 1/2 galtons per minute and ralses liquids up to 12 feet. Ideal for fountains, water house plants, aquarlums, science projects, waterfalls, etc. Pumps water, chemicals, viscous liquids. Includes spray and low pickup attachment. Operates on any 6 to 12 volt battery. Wt., 402. 13 P 19102
.Net 4.50

## TINY TIGER "HUSH TONE" PORTABLE GENERATOR

- Economical Gas Driven Motor
- 115 A.C. 350 Watts Electric Power 12 V D.C. 12 Amps.
- Only 14 lbs.
- Automatic Overload Relief-for Tools, Appliances, Boats
- 12 V D.C. for Battery Charging
- 1 H.P. Motor

Model 5001-1-Lightweighe, rugged metal construction! Features a 1 hp, 2 cycle Ohisson \& Rice alr cooled engine with a high capacity magneto ignition, 6 pint, premixed ( 24 parts gas-1 part oil) fuel capacity allows operation at full power ( 6.300 rpm ) for $2 \frac{1}{2}$ hours. Also features built-in quietness with a larger "Hush Tone" spark arrester muffier. Dual voltage, direct drive Tiny Tiger generator produces up to 350 watts of 115 V ., AC, and 12 amps of 12 V ., DC simultaneously for charging batteries, for starting cars, boats and trucks. Conslant voltage within $110-120$ volts with an automatic overload relief system. Light enough to carfy anywhere ( 14 lbs.$)$... small enough to carpy in one hand $\left(81 / 2^{2} \mathrm{H}\right.$ a $\left.81 / 2^{\prime \prime} \mathrm{W} \times 1044^{-1}\right)$. Shpg. wt, 161/2 lbs.
12P 35522 No Money Down*
Net 114.95

## 12 VOLT DC SUBMERSIBLE PUMP

## Only <br> 

- Operates In Any

Position-
Submerged or in Open Air When Primed

- Ideal For Marine Use


Small enough to fit under marine engine stringers and duckboards, recreational vehicles and mobile homes. Pump delivers up to 400 gal. hr, (direct discharge) of pumps to $11^{\prime}$ heights. Lifts water more than $6^{\prime}$ below when orimed Draws 15 amp. at 12 volts. Port Connec. than $6^{\prime}$ below when primed. Draws 1.5 amp. at 12 volts. Port Connections: Beige inlet plate and strainer, and $1 / 2^{\prime \prime}$ femate pipe threaded inlet piate. Outlet is $24^{\prime \prime}$ N.P.T. male and will accept $3 / 5^{" I}$ I.D. hose. Stainless steel shaft and high impact cycolac case. Size: $21 / 1 \times 2 \mathrm{n}$. x512"
13 P 89071 Shpg, wt., $11 / 4$ lbs.
Net 13.95

## WATERFALL KIT <br> Enhancing waterfall of cascading water constantly recirculated by electric pump. Galions per hour delivery: 180 at 1 ft .; 140 at $3 \mathrm{ft}$. at 5 ft .: shut off at 10 ft . Outlet sko"; intet $1 / 2^{*}$ pipe 0.0 . Load: .65 amps: 43 watts. No concrete needed: <br>  complete with instructions. Kit consists of pump, $8-\mathrm{ft}$. plastic hose,

 7 ft . sealing poly, pump filter. Shog. wt., $51 / 4 \mathrm{lbs}$.13 P 89022
Net 17.95

## POWERFUL SELF-PRIMING PUMP

## WORKS OFF ANY

## ELECTRIC DRILL

95

- Easily Connects To Standard Garden Hose

Now you can pump water, lubricants, solutions, and other liquids up to 10 feet vertically or prime a maximum horizontal distance of 50 feet. Compact and economical self priming pump handles up to 200 gallons per hour with 2,000 RPM $1 / /^{\prime \prime}$ drill at temperatures from $40^{\circ}$ to $180^{\circ} \mathrm{F}$. Perfect for home, farm, or industry, to pump out basements, fill or empty tanks, or transfer chemical solutions. Lightweight. rugged phenolic plastic con. struction resists chemical currosion. Fits electric drills like a "blt" and takes ordinary garden hose. Shpg. wt., 10 oz.

# Battery Chargers And Booster Chargers 



## LAFAYETTE BOOSTER CHARGER

- 50 Amp. Battery Boost Power
- 10 Amp. Battery Charger
- For 6,8 or 12 Volts


## only $29^{95}$

Starts cars fast in the coldest weather with automatic 50 amp . boost. Perfect for 6,8 , or 12 volt batteries used in trucks, cars, boats, fractors and other vehicles. Operates as a booster and as a 10 amp . charger. Features include: color coded meter indicates battery condition. charging and booster rate, and correct polarity. Full wave charging circuit, triple density selenium rectifiers solated and fully impregnated transformer, and an auto-reset circuit breaker; heavy duty $8^{\prime}$ input cord, and treavy duty $6^{\prime}$ cables with soldered clamps for full output; acid resistant front panel and baked enamel back and sides. All internal components are plated for protection against corrosion. UL Ifsted, Size: $8 \mathrm{BH} 53 / \mathrm{W} \times 6^{\circ} 0$. 11 P 01062 Shpg. wt., $113 / 4$ Ibs.

Net 29.95

## SCHAUER

10-AMP BATTERY CHARGER
$19^{95}$

- For $6 \& 12$ Volts

With Meter

- Automatic Circuit Breaker

Model C-6612. Heavy-duty 10 -amp charger for 6 or 12 volt bat tery, which will bring the battery to full charge in 2 to 6 hours or less. Equipped with an automatic circult breaker for overload protection. Selector switch for changing vollage. Accurate ammeter shows rate of charge entering battery. Rugged steel case with gold colored finish and two-tone brushed aluminum. Complete with cables. 117 VAC, 60 Mr . U.L. listed Shpg. wt., 11 /it Ibs . 11 P 55191

Net 19.95


Model B. 6512 charges both 6 and 12 volt batteries at a 6 -amp rate. Will recharge the average battery in from 3 to 7 hours. Charger is equipped with an automatic circuit breaker for uverload protection. Selector switch changes operation from one voltage to another, and an accurate numeral dial ammeter shows the exact rate of charge. Case is of rugged steel. Complete with battery cables 117 VAC., 60 Hz . UL Listed. $974 \times 6 \times 61 / 2^{\prime \prime}$ if P 55183 Shpg. wt., 9 lbs

Net 14.95
SURE-FIRE 3-AMP BATTERY CHARGER
$10^{95}$

- For Both 6 and 12 Volts
- Built-in Meter
- Automatic Reset Breaker

Full 3-amp battery charger for quick starts in all weather, Edge view colored meter shows actual rate of charge and indicates battery condition. Reset circult breaker gives automatic overload protection. Has 6 and 12 volt selector switch. Delivers tapering charge. Vented steel case; may be wall mounted. 6 ft . battery leads with 50 amp clips. Size: $6 \times 41 / 2 \times 53 /{ }^{\prime \prime}$ For operation from $105-125 \mathrm{Volt} .60 \mathrm{~Hz}$ AC. UL listed. Shpg. wt. 5 lbs, 11 P 76049

Net 10.95


## SURE-FIRE

BOOSTER CHARGER

- 100-Amp. Battery Boost

Power 6, 8 or 12-Volts,

- 10 Amp. Battery Charger
- Trickle Charger


## as low As

## 

Model WS-100-10. Get that extra "punch" needed to get your battery started in cold weather Provides 100 amp . booster power, 10 amp . and trickle charging for 6,8 or 12 -volt batteries. Ammeter indicates changing current. Features fu:l wave rectiflers, heavy-duty transformers and an automatic reset circuit breaker. Push-button control panel with reverse polarity indicator light is enclosed in a rugged steel case with a baked wrinkle finish. Steel carrying handle also stores the heavy-duty input cord U.L. Listed. Size: $12 \times 7 \times 9^{\prime \prime}$. Shpg. wt., 22 v/4 lbs. 11 P 76098

Net 45.95
Model WS-200-20 similar to above but with extra heavy-duty 200 amp, boost power, 20 amp. charger with trickle charge. For 6,8 or 12 volts. Size: $12 \times 9 \times 9^{\prime \prime}$. Shpg. Wt., $321 / 4 \mathrm{lbs}$.
11 P 76106 W No Money Down
Net 66.95

## 6-AAPP SOLID-STATE AUTOMATIC BATTERY CHARGER $19^{95}$

- Automatically Turns On and OH - Automatic Circuit Breaker

Mosel ws-20. Solid-state 6 Amp battery charger that automatically shuts-off when the battery is fully charged! If the load on the bat. tery causes the charge level to fall, the charger turns itself on again and supplies the exact rate of charge needed to return the battery to full strength. Features automatic circuit breaker for extra protection and an accurate numeral dial ammeter. For 6 or 12 Volt batteries. with two $8^{\circ}$ charging cables and $6^{\prime}$ power cord. Vented steel case ${ }^{8} \times 5 \mathrm{~V} / \mathrm{V}^{2} \times 61 / 2^{\prime \prime}$. For $105-125 \mathrm{VAC}, 60 \mathrm{~Hz}$. UL listed. 11 P 76536 Shpg. wt., 9 los........................................Net 19.95

## HY.CHARGE ${ }^{2}$ 2IN-1 BATTERY CHARGER



- For 6 \& 12 Volts
- Automatic Circuit Breakers

The Hy-charge battery charger keeps all 6 and 12 volt batter ies fully charged for peat performance even at $40^{\circ}$ below freezing. Full 1 amp. "sare" charge rate prevents flaking and plate buckling - has automatic circuit breakers to prevent overloading. Easy to use-plug the line cord into any llov outlet. connect the two terminals to battery. Can't overcharge-uutomatically taoers off. With handle and wall bracket. Size: $5 \times 3 \mathrm{y} 2 \times 33^{\prime \prime}$. Snpg. wt., 3 lbs.
11 P 76023
Net 6.95


Self-Contained Power Supply with Battery and Automatic Recharger

- Dellvers 117 Volts 60 Hz A.C. At 125 Watts Continuous
- 3 to 4 hours of Portable T:V. Operation on One Charge
Model 50.160. Hundreds of uses: Operates TV's, powertools, barbecue motors, lights, hedge clippers, or appliances using 117 V ., 60 Hz AC. Has self-contained 30 amp. rechargeable wet storage battery. Frequency stable within $1 / 2$ cycle with load changes. Plugs into AC outlet, or, car cigarette lighter to recharge battery. Has automatic over. charge profection. Meter shows charge rate and the hours of anticipated output. Size: $12 \times 51,2 \times 8^{\circ}$. Shpg. wt., $36 y$ lbs.
11 P 63151 No Money Down*
${ }^{\circ}$ Sce Page 23 for Full Details on Easy Pay Plan


# terado-C.D-TRIPP LITR Inverters 

TERADO SOLID-STATE AS DC-Io-AC INVERTERS

## - Transistorized

- 110 Volt AC Electricity

Compact and convenient power inverters. Converts 12 VDC to 110 VAC 60 Hz . Ideal for cars, trailers, boats, buses, mobile homes. For equlpment not sensitive to frequency change. Complete with battery cables and copper-clad steel case.

| Stock Mo. | Mir. No. | watts Cont Interm. |  | Size | ShPE. wt. Ibs. | Mel |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 P 53013 | 50-170 | 150 | 175 | $103 / 4 \times 6 \times 6$ | 101/2 | 49.99 |
| 11 P 63203 | 50-128 | 450 | 500 | $12^{1 / 2} \times 6 \times 6$ | 20 | 106.88 |

## TERAOO "SENIOR" OC TO AC INVERTER

vibrator type inverter. Has automatic trequency control. Converis 12 voits DC to 110 volts, 60 cycles AC. Frequency requlation $\pm 1 / 2$ cycle. Filiered. Plugs into cigarette lighter. With battery cables. Sire $21 / 2 \times 21 / 2 x$ $4 \mathrm{k} \mathrm{z}^{\prime \prime}$. Output 40 W . canstant. 50 intermittent.

## 11 P 63062 Shpg. wt, $21 / 4$ lbs. Net 22.17

## TERADO "OYNAMO" DC TO AC INVERTER

Operate any small radio in any 12 volt car, truck, boat or traller. Mo installation-iust plug into cigar lighter. Operate electric shaver or any electric appliance up to 25 watts. With renerator condenser and ignition nolse suppressor. Size: $2 \times 2 \times 3 \frac{17}{4}$ 11 P 63179 Shpg. wt., 2 lbs....Net 18.11


## trav-ELECTRIC CONVERTERS

Operates all electric shavers. Avallable for 12 VDC or 220 VAC . Polyethylene non-breakable case. Size: $35 / 6 \mathrm{~W} \times 21 / 4 \mathrm{D} \times 41 / 4^{\prime \prime} \mathrm{H} \cdot 15-20$ watts. 12 VDC Model-Plugs into car cigarette lighter. Converts 12 VOC to 110 VaC . Shpg. wt., 2 lbs. 11 P 63047 Net 11.85 220 VAC Model-Converts 220 VAC *o 110 VAC . lideal for foreign travel. Shipg. wt., 2 lbs. 11 P 63294 Net 8.85

## TERADO SDLID-STATE INVERTER-CHARGER

- It's A Battery Charget
- It's An Inverter

Mark 1, portable, transistorized
 450 to 500 watt inverterl
 charger. Converts 12 volts DC to 1 iliv., AC household current. Designed for use in cars, mobile homes, and boats to operate radios, recorders. Televisions, lights. lectric tools and test equipment from any 22 V . OC power source. lectric tools, and test equipmer with charging rate of 20 and 10 Also serves as a battery charger with charking rate of 20. and 10 amps plus low trickie charge. Complete with amp meter. 12 VV . DC input poles. front panel mounted fuses. and 117V., AC standard outlet. $121 / 2 \times 6 \times 6^{\circ \prime}$. Shpr. wt., $201 / 2 \mathrm{lbs}$.
11 P63260w No Money Down*
Net 119.35

## CORNELI DUBILIER <br> OC TO AC INVERTER

$$
4295 \begin{gathered}
\text { No Money } \\
\text { Down }
\end{gathered}
$$

- Delivers 125 Watts Continuously - Features "Hash Free" Filtering For Interference-Free Reception
Ideal for cars, boats, house tratlers, campers, etc., as a source of AC power independent of power lines Converts 12 volts $0 C$ to $\mathbf{1 1 0 - 1 2 0}$ volts $A C$ at 60 Nz . Designed primarily for television receivers, tape recorders, phonographs and other frequency sensitive devices. Specitications: Input: 12 volts @ 12 amperes (full load): Output: 120 watts continuous, 140 watts intermittent, R| Filterinc:
 tt P 18256w

Net 42.95 Model MK $\mathbf{3 5 4 4 . 4}$ Mounting Eit-Heavy flanged plate for bulkhead or floor mounting. Includes hardware and instructions. 11 P 18264 Ships. wt., $21 / 4$ los.
 11 p 18264 Sips. Wi., 24 Ibs.

Net 3.60

## TRIPP LITE 150-WATT TRANSISTORIZED INVERTER

## - Delivers 150 Watts Continuously

- Fused to Protect Battery

- Provides Household Current Anywhere Model PV-150

A low-cost transistorized inverter which changes $\mathbf{1 2}$-volt DC to 115 volt 60 Hz AC. Oelivers 150 -watts continuously; $\mathbf{1 7 5}$-walts intermit. tently for shavers, recorders, radios, IV and many other appliances. Has on-off switch and replaceable fuse. Rugged construction. Size: $5 \times 5 \times 32 / 2^{\prime \prime}$. Shpg. wt, $33 / 4$ lbs.
11 P 89505 No Money Down*
Net 39.95

## TRIPP LITE 100 WATT TRANSISTORIZED INVERTER <br> $29^{95}$

- Plugs Into Lighter
- Converts 12 Volt DC to 115 Volt AC - Delivers 100 Watts Continuously
 MOOEL PV. 100 Designed to give instant AC power where fast emergency service is needed. Lightwelght, low-cost Inverter converts 12 yolts OC to $125 \mathrm{~V}, 60$ cycies AC; delivers 100 watts continuously. Specifically engineered to power televisions, and tape recorders in cars, boats, planes, or mobile homes. Incorporates 2 -power switching transistors. Complete with cigarette lighter plug, and standard AC outlet. Sire: $47 / 4 \times 47 / 4 \times 3^{\prime \prime}$. Shpg. wt., $61 / 4$ lbs. 11 P 89547

Net 29.95

## TRIPP LITE 350 WATT

TRANSISTORIZED INVERTER

## $79^{\circ 0}$

- Use It In Your Car, Boat, Trailer, Plane
Model PV.350. Converts 12 -Volt D.C. current into 115-Volt A.C. En ables you to operate your house appliances and tools in your car, trailer, boat, plane, etc. Delivers 350 watts continuousiy. 385 intermittently. 8 power taansistor circuitry for power boost. Advanced design has no moving parts to wear out. inverter puts less strain on your battery, allowing your 1001 or appliance to do a quicker. belter job. Mounts easily on any flat surface. Size: $34 / 3 \mathrm{H} \times 61 / 2 \mathrm{w}$ $9^{\circ} \mathrm{D}$, Shpg. wt., 13 ths.


## 11 P 89570 No Money Down*

Net 79.00

## TRIP LITE ALL SOLIO STATE PDWERYERTERS



- Combination Power Inverters and Battery Chargers

MOOEL PV.200.B-200.WATT INVERTER, 5 AMP GATTERY CHMKGER. Converts 12 volt $O C$ to 115 -volt $60^{\circ}$ cycle $A C$, delivers 200 watts confinuously. 220 watts intermittently. 4 power transistor circuitry for power boost. Battery charger is rated 5 amp . has automatic control which tapers current down 10 overcharging. Size: $31 / 2 \times 5 \times 51 / 4$. Shpg. wt., $71 / 4$ lbs.
11 P 89513 No Money Down*
Net 54.95
MOOEL PV-500-8-500 WATT INVERTER, 10 AMP BATTERY CMARCEA. Rugged, heavy-duty Inverter with 500 watt continuous output. 550 watt intermittent. 10 power transistors; hash-free TV, AM-FM reception. Battery charger rated at 10 amp , polarlty protection in case of incorrect hook-up. Pilot light warns against overloading. Bult-in rack handles. Size: $54 / 4 \times 94 / 4 \times 9^{\prime \prime}$. Shpg. wt., $193 / 4 \mathrm{lbs}$. 11 P 89562 No Money Down:

Net 109.95

# LAFAYEITE Automotive Test Equipment <br> 6½" DWELL 

 TACHOMETER $28^{95}$ - Tunes up Electronically, Any Car Ever Made

- Three Dwell Scales
- Low And High Range Tachometer Scales
- Giant $61 / 2^{n}$ Easy-to-Read Scale

Made in U.S.A.
A complete ready-fo-use Owell Meter and Tachometer which will operate on any car ever made. Tests cam Dwell angle and engine RPM on 4, 6 or 8 cyllinder cars. 6 or 12 volt right on the engine. Glant $612^{\prime \prime}$ easy. to-read meter makes it simple for anyone to adjust points and carburetors to insure maximum gas economy and quiet engine running. RPM readings are also essential to properiy service automatic transmissions. Three dwell angle scales are provided oto 45 degrees, $0-60$ degrees, and 0 to 90 degrees. This Instrument is sulfable for dwelt angle, adjustment on all for eign and domestic cars. Dual range tachometer 0 to 1000 rpm for prectse carburetor adjustments. 0 to 5000 rpm , suitable for making all other tests at high engine speeds. Complete with instruction manual. Shpg. wt. $31 / 2 \mathrm{lbs}$.
11 P01013W

## 31/2" DWELL TACHOMETER


$16^{95}$

- Tune Up Electronically Any Car Ever Made
- $31 / 2$ " Double Jeweled D'Arsonval Meter
- For 4. 6 or 8 Cylinder Engines
- For 6 or 12 Volt Systems
- Point Resistance Check

Made in U.S.A.
Electronically tune your car! This Dwell Tachometer permits setting the carburetor for maximum efficiency, gas economy and greater power; indicates the correct point gap setting electrically (even if the points are pitted or corroded); permits setting points with the distributor cap oft and engine cranking, and permits setting points on "Window" distributors with engine running, It also locates de fective spark plugs; permits correct engine RPM setting for automatic transmission adjustments, throttle linkage and idie adjustment. RPM seale: $0-3000 ; 8$-cylinder dwell: $5-45^{\circ} ; 6$ cylinder dwell: $20^{\circ}-60^{\circ} .4$ cylinder reading obtalned by doubling 8 cylinder scale reading. Two-color scale. Small and compact-measures only $6 \mathrm{~V} / 4 \times$ $33 / 42^{* \prime}$. Complete with instruction manual. Shpg. wt., $13 / 4 \mathrm{lbs}$.
1101054
Net 16.95

## DELUXE AC OR DC-POWER TIMING LIGHTS-KIT OR WIRED

## DC POWER TIMING LIGHT

## DC WIRED <br> $22^{95}$

 DC KIT$16^{95}$

- Ulifra-Brite Zenon Strobe Tube Chrome finished oc.power timing light. The ultimate in a mechanics Hegmt. UUlira. brilliant blue white zenon strobe tube gives bright IIght for day or night use. Rugzed casej designed for operator to reach inac. cessible timing marks. simple replacement of zenon bulb. For 6 and 12 volt battery. On/Off Switch. Shpg. wt., 13, lbs. 11 P 42405 ............................................ 22.95 Same as above in hit form
11 P 42470
Net 16.95


## KARCHECK PROFESSIONAL D.C. POWER TIMING LIGHT

- Rugged Chrome Die-Cast Metal Case
- Super Brilliant Blue-White Xenon Tube

A professional tool in every respect. Gives ample flash intensity to overcome any surrounding light conditions. Connects directly to the car battery with shoch-mounted in. ternal components to take constant use without damage. Features: trigger actuated for longer bulb life, prefocused, unbreakable lens. burn-out proof and shock protected, meavy-duty clips electronically bonded to leads, grease and oll resistant leads. FlexGuard strain-rellet bushing at base of handie, Operates on $6 \& 12$ voit batteries to service domestic and foreign cars, universal spark plug adapter. Tests: Engine timingl Vacuum adavance/Mechanical advance/Kightension circuits. 11 P 43502 Shpg. wt., $31 / 2$ lbs. Net 26.95

AC POWER TIMING LIGHT $\begin{array}{ll}\text { AC WIRED } \\ 1295 & 1095\end{array}$

- Available in Wired or Kit Form

Deluze 110 volt AC power timing 3 ght . Uses ultra-brilliant white zenon strobe tube. For day or night use. Plugs into any 110 volt AC line, insures maximum light regardless of condition of vehicles batlery. Rugged black case with power cord and On Off swith. Shpg. wt., 1 lbs.
11 P 42397
Net 12.95
Same as above in kit form 11 P42488

Net 10.95

## TIMING LIGHT WITH REMOTE STARTER

Deluxe neon prefocusing light. Cranks engine from the outside-checks points, bearings and tappets. The remote starter is also use. ful in testing the fuel pump, generator, compression and electrical system. For 6, 12 or 24 volt systems. Shpg. wt., $11 / 4$ lbs. 11 P 42082

Net 7.50

## DELUXE SOLID-STATE ENGINE ANALYZER

For All Electrical Systems 6, 12, 24 or 32 Volt -Regular Transistorized or Magneto Ignition, 8, 6 or 4 Cylinder 4 or 2 Cycle Engines.

Only

$49^{95}$

- Large $6^{-}$D'Aísonval Double Jeweled Meter
- Tunes Up Electronically, Any Car Made
No Money Down*


## Solid-State Engine Analyzer Will Test:

## Dwell or Cam Angle

Measure Engine Speed
Adjust Carburetors
Adjust Points
Check Condensers
Check Coil Resistance
Measure Carbon Suppressor Spark Plug Cable Check Batteries
Test Alternators, Generators \& Regulators Check Shorts \& Opens In Wiring
Checks All Lamps, Fuses, Relays \& Switches Check Alternator Diodes


Performs "FIFTEEN" authoritative tests under actual operating conditions: Tests output voltages in three separate ranges: 0-32, 0-16, $0-32$ VOC. Determines the condition of batteries, battery cables, spath plug wires, coil wire, solenoids and starter motors. Permits precise setting of distributor points (cam-dwell angle) and test centrifugal advance mechanism on three scales: $0-45^{\circ}$ for 8 -cylinder. $0.60^{\circ}$ for 6 -cylinder, and $0-90^{\circ}$ for 4 cylinder. RPM scales allow precise setting of carburetor air fuel mirture and engine RPM in four separate scales: 8 or 6 -cylinder (low) 0-1,200. (high) 0-6000: $4-c y l i n d e r ~(10 w) ~ 0-2400$, (high) 0-12.000. Measures amps from -5 to +90. Resistance scale rom $0-100,000$ ohms. Operates on single "D" cell battery. Complete simple operating instructions. Detalled information supplied by make and model. Rugged stepl case finished in baked enamel. Rear storage compartment holds $51 / 2^{\prime}$ leads, clamps. plus jacks and connectors. Size: $12 \times 61 / 216^{\circ \prime}$. Shpg. wt., $73 / 4$ los. 11 P 24502

Net 49.95
99 P 63661 Battery For Above
Net
.28

## SOLID-STATE ENGINE ANALYZER



## Only <br> $$
39^{95}
$$

- Large 6" D'Arsonval Double Jeweled Meter
- Tunes Up Electronically, Any Car Made

For dlagnosis \& repair of electrical systems s carburetion in modern automatic engines. Analyzer will test: Dwell or cam angle, \& Engine speed. Aids in adjusting carburelors, points, condensers. Ranges: Tach., Features; High and Low scales. 8 cyl., $0-1200 \mathrm{RPM}, 0-4500$ RPM. 6 cyl., $0-1600$ RPM, $0-6000$ RPM_ \& cyl., 0.2400 RPM, $0-9000$ RPM. Dwell- 8 cyl., $0-45^{\circ} .6$ cyl. $0-60^{\circ} .4$ cyl., $0-90^{\circ}$. Analyzer will also check: coll resistance, batteries, shorts \& openings in wiring, all lamps, fuses, relays. switches and diodes. includinR alternator and protector diodes. Measures Carbon suppressor spark plug cables and it can be used to test alternators, generators, \& regulators. Special Scales: Vollmeter, $0-16$ Volts with charging ranges for both 6 \& 12 volt automotive systems, Amperes, -5 to +90 . Ohms, 0 . 100,000 , Operates on a single (AA) cell. Shpg. wt., 6 lbs. 11 P 24528 No Money Down*

Net 39.95
For All Electrical Systems 6, 12, 24 or 32 Volt -Regular, Transistorized or Magneto Ignition, 8, 6 or 4 Cylinder 4 or 2 Cycle Engines. 99 P 63703 Battery for Above

Net 10

## DUAL-RANGE <br> TACH-DWELL POINTS TESTER



## AUTOMATIC TACH-N.DWELL

$29^{95}$ $24^{95}$

- Large 6" D'Arsonval Double Jeweled Meter
- Electronically Tune Any Car
Hand-held mechanics quality Dual Range Tach/Dwell for 4, 6 , or 8 cyl . engines, 6 or 12 Volt ignition systems. With high 8 low Tach scates: 0.1200 RPM, 06000 RPM. Used to adjust idie, eliminate creeping, or stall. ing. spot weak plugs, cylinders, valves, 8 distributor advance. Dwell Meter: has $0.45^{\circ}$. ${ }^{8} 0-60^{\circ}$ range. Giant $6^{\circ \prime}$ Vista Dlal scale permits accurate setting or - $1^{\circ}$. Point re. sistance, calibrated to indicate if new points requlred. correct hard starting, improve high speed operation. Features: Simple hook-up color-coded scales for easy reading with complete instructions. Shpg. Wt., 2 lbs. 11 P43510

[^24]
# Auto Gauges and Test Equipment 



## COMPU-DWELL 10 95

 Point and Timing Tune-Up with Engine OffGet better performance, befter gas mile. age, and save money doing your own ignition tune-ups. No skitI is required. You can accurately tune the polnts and timing of your car the very first time. Completely safe, because all work is performed with the engine off. Easily at. tached to distributor. Indicates point dwell for each cytinder, adjustment re. quired, and timing. Made of rugged high-impact plastic. With test leads and instructions. For all 4, 6, and 8 cylinder engines, domestic or imported.

## 11 P 78508 Shpg. wt., 1 lb. Net 10.95

## PRECISION IGNITION POINT SETTING TOOL KIT

Set points without finding high spot an cam or removing distributor. Even does dual points in one operation. Includes 5 microoprecision rings with feeler gauges. adapters, and 1001 for hex-wrench GM points. List of popular cars displayed in. side cover of box. Shing. wt., 1/4 1bs 11 P 31507 .................................Net 5.50

## SPARK PLUG AND 6-12-VOLT TESTER



- With Retractable Test Probe Needle And Alligator Clip For testing 6 and 12 volt wiring systems on cars boats trailers, or any low volt system. Test spark plugs, check fuses, find fauty sockets, shorts, broken wires. Quick easy visual test. Neon flash tells the story. Shipg. wt., 4 oz.
1iP 31515
Net 1.69


## COMBINATION SPARK PLUG AND IGNITION GAUGE

 gap points and spark plugs with one tool. 15-13/4 $\times$ $1 / 4$ " blades: .012-.032. 8 wire gauges: .022-.040. 1 tungsten file. Wt., 8 oz 14 P 52077 ......Net 2.39

GAS-SAVER VACUUM GAUGE
$12^{95}$

- Automatically Shows Miles.Per-Gallon

Oeluxe $34 / 2^{*}$ gauge that automatically shows relative milles-per-gallon at any cruising speed, and accurately measures engine manifold vacuum. Indicates most economica operating speeds. Shows you how 0 orive for best economy or power Warns of leaks or restrictions in intake/exhaust systems, and lets you know when your engine heeds a tune-up. Solid brass bourdon tube movement. Easy-to-read illuminated dial. Chrome plated and baked black wrinkle finish metal case with $360^{\circ}$ universal mount. Complete with all installation hardware. Fits any car. Shpg. wt., $1 \neq 4 \mathrm{lbs}$.
11 P 40060
Net 12.95


TUNE-UP KIT

## Tunes Engine for

 Maximum Efficiency For Accurate Ignition Timing of Any EngineComplete tune-up kit Includes: Compression Tester to locate valve ring, piston and cylinder troubles. 21/2" dial is caltbrated $0-300$ lbs Vacuum and Pressure Tester checks intake manifold, fuel pump, and slicky valves. Reads to 30 -inches vacuum and 7 lbs. pressure on $21 / 2 *$ dial. Ignition powered Timing light connects to any 6, 12, or 24 volt system. Remote Starter Switch gives convenient engine control while working under the hood

(A) COMPRESSION TESTER

Shows worn or defective rings, pistons and cylinders. Easy-to-read $21 / 2^{\prime \prime}$ dial, calibrated from $0-300 \mathrm{lbs}$. Has offset stem and rubber nose cone to fit all spark plug holes. Shpg. wt., 10 oz.

Net 3.29

## (B) VACUUM AND FUEL PUMP TESTER

Indicates worn or faulty parts in fuel pump or vacuum system. Easytooread $21 / 2$ " dial matches dial on compression tester. Calibrated from $0-30$ inches vacuum and 0.7 1bs. for pressure. Aids in setting liming, adjusting carburetor or tuning motor.
II P42066 Shpg. wt. 10 oz.
Net 3.59
(C) PISTOL-GRIP TIMING LIGHT

Gives brilliant light for precision setting of Irnition timing. Neon light for 6, 12, and 24 volt system. Shpg. wt., 1202.
11 P 43528
Net 3.39
(0) REMOTE STARTER SWITCH

Permits operation of starter and turning over of engine from outside of car when adjusting points, valves, testing compression, etc. Shpg. wt 6 oz .
11P17027
Net 2.49

# Auto Gauges - Compass - Clock 



Our finest tachometer features a wide sweep $31 / \mathbf{a}^{*}$ illuminated black and white scale, precision D'Arsonval movement calibrated to $\mathbf{2 \%}$ accuracy. A shift-set needie with $270^{\circ}$ swing. Equal divisions between graduated maphings for pin-point accuracy over the entbre range. This handsomely styled instrument is virtually unaffected by vibration. Has deluxe $31 /{ }^{\prime \prime}$ deep heavy chromed and black housing and universal mounting for dash or console mounting. For transistor or regular ignition systems at 6 or 12 volt positive or negative ground and zero adjust. Shpg. wt., $11 / 2$ lbs.

## 3112" HIGH PERFORMANCE

 SOLID-STATE TACHOMETER
## $16^{95}$

- Highiy Accurate 0.8000 RPM Scale
- For Any 4. 6, or 8 Cylinder Engine
Attractively styled, easy-to-read solid-state 0-8000 RPM tachometer features a precision jeweled D'Arsonval meter that assures steady and accurate readings. Includes adjustable shift indicator pointer. Self-contained solid-state unit has Zener-stablized circuitry making the meter accurate to $\pm 2^{\circ} \%$. Individually factory calibrated. Hand. somely finished In chrome case with Dlach trim; white RPM meter markings contrast on blach satin Hluminated dial. Easy-mount bracket. For all 4,6 , of 8 cylinder engines; 12 -volt positive or negative ground electrical systems
11 P 38098 Shpg. wt., itz lbs.

GAUGE/AMMETER


- Gauges Tilt In Any Direction 95 - Internal Lighting Lights The Gauges - Separate Black and Walnut Panel Inlays Supplied

Attractive two in one oll-ampere gauge console. Large, Illuminated $2^{\prime \prime}$ dials tilt in any direction. $270^{\circ}$ full swing oil pressure gauge wth precision geared brass bousdon tube movement detects trouble before it occurs
not after. Reads pressure accurately 0-80 lbs. psif. Sender unit has a unlversal 40 PT connector. Ammeter gives accurate current readings for all generator or alternator equipped cars. Shows rate of charge of dischafge from 60-0-60 amperes. Shpg. wt., $12 / 2 \mathrm{lbs}$

Custom panel of three llluminated $\mathbf{2 "}^{\prime \prime}$ gauges that tilt in any direction, $270^{\circ}$ full swing oil pressure gauge with preciston geared brass bourdon tube movement reads accurately from 0.80 lbs. DSi. Ammeter gives accurate charging rate of both generator and alternator systems from 60-0-60 amps. $270^{\circ}$ full swing mechanical water temperature gauge also features a precision geared brass bourdon tube movement. Reads $100 \%$ $220^{\circ} \mathrm{F}$. Complete with $72^{\prime \prime}$ capillary tube and adapter. \$hpg. wt., $21 / 4 \mathrm{lbs}$
11 42447 Net 17.95


Can accurately check your car, truck or Doat's electrical system without refting "under the hood." Performs 3 individual tests indicating the condition of the battery, generator or attemator, and voltage regula tor. Meter has a jewelled D'Arsonval move ment accurate to within $2 \%$, and large muli.colored dial. Sealed one-piece body construction. Fits all U.S. and Canadian auto cigarette lighters. Shpg. wt., $3 / 410$.
11 P 77500
Net 5.95

## AUTO/MARINE <br> BATIERYGLOK

## DELUXE ARWWAY UNIVERSAL COMPASS

\author{

- Complete with Adhesive Plate for Windshield Mounting
}


Precision instrument features fingertip regulators with 8 gears and special magnets to provide added accuracy and quick compensation. Desion allows up to $30^{\circ}$ tilt. Calibrated in 5 degree intervals. UniDesign allows bracket mounts in any position on all craft and vehicles. Rigio verystal clear plastic with gleaming chrome and blach finish. illuminated. Shpg. wt., 1202.
11 P 65059
Net 4.95

OPERATES UP 101 YEAR ON SIMGLE "C'" CELL $12^{29}$

- Altractive Case-Chrome
 Beze-Sweep Second Hand A smartly designed and ruggedly constructed battery-operated clock designed for use in the car and cabin cruiser. Use it as a desk clock or take it with you on trips. Chrome bezel, with bright easy-to-read white tace, has black markings and features a second pacing sweep white face, has black martios mesh tastening arrangement on th hand. Employs a unique fiber mesh lastening arrangement on its
base. Can be positioned on any metal, wood, plastic sufface, including padded dashboards and yef is readily removable. Light in weight, only 13 ounces, attractively styled plastic case. $31 / 4 \mathrm{D} x 31 / 2 \mathrm{~W} \times 21 / 2{ }^{\mathrm{\prime} \mathrm{\prime}} \mathrm{H}$.
99 P 85243 Shpg. wt., 1 ib.
Net 12.29
99 P 62572 Battery for above


# Electronic Ignition Systems For Your Car 

 DELTA MARK 10 CAPACITIVE DISCHARGE IGNITION SYSTEMS

## MARK 1OB CAPACITIVE

 DISCHARGE IGNITION SYSTEMWith VARI SPARK@ Circuitry $49^{95}$ - Handy Switch For Instant Return To Standard Ignition
 Offers every benefit of the Mark 10 system, plus more power and more features. The Vari Spark 18 circultry controls the spark duration as well as the spark intensity over all ranges of operation. Specitically for modern day engines with emission control devices.... helps overcome operational problems caused by poor manifolding, leaner mixtures. and variations in gasoline. Rough idling, surging, slow starting, hesitation during acceleration, and extremely poor mileage are now dealt with effectively and efficiently. Handy switch for instant comparison with standard ignition. Rugged housing with neoprene seals affords dust and moisfure protection. For any 12 volt negative ground system. Installs immediately with two simple connections to the existing coll leaving the standard system intact. 11 P 84522 Shpg, wt., $21 / 2$ lbs. No Money Down ....Net 49.95

- Quick. Easy Installation
- Constant Spark to 10,000 RPM
- Extremely Low Input Power -Less Load on the Engine
makk 10 WIRED. Combines all the advantages of capacitive discharge with those of solid state circuitry. Eliminates point bounce problems and positively fires plugs regardiess of point condition. Fast rise time prevents fouling; plugs last from three to ten times longer. Point contacts last indefinitely. Eliminates mis-firing, reduces oii contaminants, prolongs engine ilie. Provides smoother and more ef. ficient operation at all speeds; constant spark up to $10,000 \mathrm{RPM}$; with dramatically improved acceleration and economy. Provides faster, easier starting in all weather. Unit operates with all commercial and original tachometers. Installs immediately with two simple connec. tions to the existing coll, leaving the standard system intact. No temperature limitations-mounts anywhere. Requires only a very small amount of input power-reduces load on engine and electrical load. For 12 volt negative ground systems only. Shog. wt., $21 / 2 \mathrm{lbs}$. 11 P 84506 No Money Down MARK 10 kIT . Same as above in kit form. 11 P 84514 Shpg. wt., $21 / 2 \mathrm{lbs}$.

Net 29.95


## JUDSON ELeCTRONIC MAGNETO IGIITION SYSTEM 3995

- Quick, Easy Installation
- Silicon Components
- Reduces Fuel Consumption

Positively improves performance! Like a mechanical magneto used on racing cars, the electronic magneto provides a minimum of 30,000 volts with the fastest rise time of any system available. Llike having a permanent tune-up; doubles plug and point life, gives 2 to 6 miles more per gallon, allows instant starts in sub-zero weather... even with heavy carbon deposits and fouled plugs, helps your engine to develop its highest potential horsepower under any conditions. Operates on 6 or 12 volt systems; single or dual point. Will not interfere with operation of radio, electronic or Ignition test equipment. Uses silicon components
is fully protected by zener diodes. Completely sealed againsi water and corrosion. Simple installation by transferring wires from present coll to the magneto and connecting an additional wire to ground and you're ready to go! 11 P 3550 , Shpg. Wt., $44 / 4$ los.

Net 39.95

## CAPACITOR DISCHARGE IGNITION SYSTEM



## $59^{95}$ <br> No Money Down*

A complete Ignition modernizing kit giving your car the added efficiency and economy of electronic swiftching. Operates by a simple connection to the existing coll and distributor breaker point. For any number of cyIInders. The "CDi 12" features a capacitor discharge current and higher constant volfages for maximum combustion and improved miles per gallon. The heavy-duty mounting unit is epory coated for moisture and dust. proofing. Fully suppressed for excellent

- With Silicon Controlled Rectifier
- Extends Point And Plug Life
- Quick Easy Installation
radio reception. Installation is simplified by damage proof elicuit protected from reverse polarity or open secondary leads. Shorter, more powerful sparks at plugs increase combustion, reduce plug wear, increase engine life many times. Overall increase in performance, acceleration and gas mileage, Designed for cars with 12 -volt negative ground sys. tems. Shpg. wt., $33 / 4$ Jbs.
11 P 75066
.Net 59.95


## JUDSON ELECTRONIC IGNITION SYSTEM

## - Quick, Easy Installation

- Improves Performance and Gas Mileage

Install a Judson SEE/DEE Electronic Ignition System on your car. It provides the dependability and performance required for the mod ern high speed engine. The current for the See/Dee system Is com. pletely controlled by a zener diode. It provides for a befter and smoother running engine plus faster starting. In addttion polnt and plug life are extended and there is a reduction of ignition fallure and tune-up requirements. Good for a 6 or 12 -volt battery and single or dual point negative ground systems. Shpg. wi., 1 Ib . 11 P 35516

# "DO-IT-YOURSELF" Auto Accessories REAR WINDOW DEFROSTER/ DEFOGGER <br> Electric speed control 


#### Abstract

- Enjoy the 995 Convenience and Safety of Clear Rear Vision - Adjustable Louvers  Direct Air Where Needed Eliminates the hazardous driving conditions caused by Steam, Fog, Frost on rear windows. Air drawn from interior of car blankets rear window. Removes condensation and frost. Prevents accumplation of snow while car is in motion. Unit is easily installed In trunk; does not interfere with spare tire or luggage space. Adjustable touvers to direct flow of air are recessed; will not interfere with vision or rear deck space. Dash switch controls defroster operation. Kit includes heavy duty motor, defroster hoses, adjus table louvers, switch, wiring, templates, and installation instructions. Fits all cars, (except station wagons, convertibles, and rear engine cars) for 12 volt electricas wagons, convertibes, and system. Shpg. wt. $5 \%$ lbs. 11 P 12507 Net 16.95


## REAR DECK AUTO FAN

- Defogs Rear Windows For Better Vision and Safer Driving

Keeps your rear window clear. Does not obstruct vision. Completely enclosed motor and fan for added safety. With universal mounting bracket for mounting on dash or rear deck shelf. Has variable height adjustment. With on-ott switch, necessary hardware, 15 leet of wire, and instructions. For 12 volt cars. 11 P 51505 Shpg. wt., 1 lb . Net 5.95


## REAR WINDOW <br> DEFROSTER/DEFOGGER <br> Looks And Operates

Like Original Equipment


Provides perfect visibility in all weather conditions. The electronic heating circuit is printed on crystal clear, durable Dupont Mylaren making it extremely durable and offering great resistance to tem. perature extremes. Its large size $\left(12^{\prime \prime} \times 33^{\circ \prime}\right)$ covers the rear win. dow of even the biggest American cars as well as the smatler imports. Includes On-0H switch and all necessary fittings. Easy to install; shield is self.adhering. For 12 voit systems. Shps. wt., 1 tb. 11 P 55570

Net 5.95

## LITE BUZZER

- Reminds You To Jurn Off Your Lights When You Park Your Car
- Saves Battery and Service Charges


Sounds off with an audible noise when you turn off your ignition without turning out your inghts. Saves your battery, service charge. Easy to install. Mounts under dash. Shpg. wi., 5 oz.
11 P 50010
Net 2.95

## UNIVERSAL 6 - ANO 9-VOLT ADLPTER FOR 12 -VOLT CAR OR BOAT BATTERY



EASY 10 INSTALL
$22^{30}$


- Does Not Affect Brawing of Instant Pick-up
- Helps Adhere to Posted Speed Limits
- Sets Fast Idle for Quich Cold-Weather Warm-up

An Electric Speed Control which enables you to drive at a constint speed over level surface by automatjcally holding the throttle steady. Eliminates the need to keep a loot glued on accelerator on tong trios. Once you reach desired speed, simply pull out knob and the speed Control will automaticaliy hold that speed. Allows instant acceleration for passing but takes over again when the foot is taken off the gas pedal. Ceases to function the moment the brake pedal is depressed and completely disengages in the event of any malfunction. Desigmed to fit all cars and trucks. Shpg. wi., 2 lbs.
11 P 59011
Net 22.30

## MOTOROLA ELECTRONIC ALTERNATOR SYSTEMS WITH TRANSISTDRIZED VOLTAGE REGULATOR $64^{95}$ <br> No Money Down ${ }^{*}$ <br> - For Automotive, Jruch Industrial and Farm Equipment

Low cost solution to the heavy demands made on your car of truch's electrical system. Unlike O.C. generators. it supplies a charge at idle speeds and keeps the battery at a uniform high level of charge. The all-iransistor voltage regulator has no contact points or mechanical relays. Fits nearly all cars and trucks ard is less than half the size and weight of similar capacily D.C. generator. Shpe. wi., $133 / 4 \mathrm{lbs}$.
11 P 75033 55-Amp
Net 64.95

## QWIK CHANGE OIL DRAIN KIT

## $10^{35}$

- Change Your Own Oil Quickly with Just a Twist of a Knob
Now anyone can change their oll simply and efficiently with just the twist of a knob. It is permanently installed under the hood and replaces the drain plug in the oit pan.
 The knob activates the value on the oil pan to drain the oil out. Closed it seals securely, valve is all steel. with tight tefion seal and positive action flexible cable. Fits the following cars: Buich 59.72, Chevrolet 54-72, Chrysler, Codge. Plymouth 62.72, Mercury 59-72, Oldsmobile 66.72, Pontiac 54.72. No more stripped drain plugs. Saves time and money. Pertect for the racing enthusiast, ideal for boat owners, saves bitge crawllng. Shpg. wt., l1/2 lb.
11'P 52503
.Net 10.95
12-FT. TANGLE-FREE BATTERY BOOSTER CABLE
Tangle-free Cable twins with $100 \%$ Copper Conductor. Special Duplex Cable Construction. With one side color-striped for quich polarity identification. Made with heavy duty, fexiole rubber-covered cable, Standard equipment for starting stalled cars, and charging batterles. Wt 4 ibs.
If P 1952 :
Net 4.50



# Automotive Theft Protection Devices 

## ON-GUARD PROFESSIONAL SIREN. <br> ${ }_{\text {as tow }} 27^{88}$ OPERATED BURGLAR ALARM SYSTEMS

- Loud, Police-type Siren Protects All Doors, Trunk and Hood - Heavy-Duty Relay
- Pick-Proof On-Off Key Lock Mounts on Outside of Auto

Get 24 -hour protection on your car, station wagon or truck with this complete burglar alarm system. The sharp penetration sound of the pofice type slren wilf scare thieves away. The siren blasts off when anyone opens a doar. the hood or trunk. The slarm can be shut off only with the alarm key. Complete system includes deluxe highiy pollshed spun-aluminum siren with trumpet. 4 door switches, hood switch, trunk switch, 2 brackets, electrical lock with 2 heys, wire. mounting hardware, instructions and 2 warning decals. For 12 -volt cars only.
11 P 62015 Shog. wt. 63 lbs .
Net 27.88

## SOLID-STATE CURRENT SENSING ALARM

Deluke current sensing solid-state car burglar alarm. Easily installed. No need to wire switch to individual car doors, unit automatically senses any current drain caused by opening door, hood or trunk. ignition key, efc. (except clock). Switches and brachets supplied for cars without trunk and hood lights
11 P 62098 Shpg. wt., 6 lbs.
Net 29.88
This Item not intended for resale in States where its use is forbidden in motor vehicles by public regulation.
is ON-GUARB HORN BURGLAR


ALARM


Protect your car, wagon, truck 24 hours a day. Easy to instalt auto alarm system activates when anyone opens a door. the trunk, or nood. When an entry point is opened a shrili sound of the vehicie horn will be heard. The alarm will not be silenced by closing the point of entry. Can be shut off only with the alarm key. System in. cludes six alarm activator switches, $10 \mathrm{ch}, 2$ heys, 2 relay switch unit. wire, mounting hardware, and simple Instructions. Shpg. Wt., 3/4 lb.
11 P 62023
Net 6.88

## AUTO SENTRY ELECTRONIC CAR BURGLAR ALARM

- With Push Button
Combination
Alarm Set


## Pushbutton transistorized car

 burglar alarm mounts under dash or in glove compartment. Alarm has five pushbuttons, 2 of which are pushed when entering car. Alter a delay of 15 seconds. If the proper 5 button combination has not been pushed, car horn wifl automatically sound at 15 second intervals until alarm is reset. Pushing all buttons or the wrong combination automatically activates alarm. Unit resets automatically when you leave car. Any current drain on car's electrical system (ercept clock), activates alarm. Protects car's trunk and hood, If trunk and hood light already installed, or use accessory light below. Front panel itght indicates that unit is armed. Size: $21 / 4 \mathrm{Hr} 31 / 2 \mathrm{w} \times \mathbf{3}^{\mathrm{N}} \mathbf{0}$. Shpg. wt., $11 / 2 \mathrm{lbs}$.
## 11 P42538

Net 29.95
Accessory relay for use on all ford and Forelgn cars. Shpg. wt., 6 or.
IIP 42553 11 P 42553 Automatic Trunk or Hood Light. Shpg. wt., $1 / 2$ Ib
11 P 43015
Net 2.19


A penetrating pollice siren and trumpet constructed of spun aluminum for loud plercing sound, System helps prevent break-in pilferage, damage, and inconvenlence. Activator switches protect all access openings including trunk and hood, Siren blasts loud and clear and remains on until manually reset by plek-proof lock switch. Great for cars, wagons. trallers, trucks, and vans. Supplied with retay. six alarm activator switches, wire, terminals. screws, and pick-proof key lock with tro keys. Shide. wit.. 63/4 los.
11 P 62064
Net 19.95
This item not intended for resale in States where its use is forbidden in motor vehicles by public regulation.


Once It Is Activated, Siren Sounds Continuously Only You Can Reset It
Powerful siren that sounds a loud, piercing alert instantly, when anyone opens your car's doors, hood or trunk, and confinues to blast even if the point of entry is re-closed. Only your personal key can silence or re. set the alarm. Supplied with 6 switches that are easily installed in car doors, hood and trunk. Plus, built-in mounting bracket hardware. fused 12 volt power cable. and a special lock with 2 duplicate keys for activaling or resetting system. Imporied if Pi314i Shpg. wt.. 4 lbs.

Net 14.95
This Item not intended for resale in States where lis use is forbidden in motor vehicles by public regulation.

## ELECTRIC HOOO OR

 TRUNK LOCKOnly

## $9^{95}$

- Fits All Cars And Trucks
- Easy To Install
- Feel Safe When You Park In Public Places


Provides greater car security and protects vital englne parts such as Dattery, plugs, starter, and carburetor from theft. May also be used to lock and protect vaiuables in trunks. A turn of the ignition hey unlocks the hood or trunk. Normal closing of the hood or trunt automatically locks the compartment. The lock is ignition-key activated: hood will only open when your Ignition switen is on. Complete with all instalation hardware. For all 12 V electrical systems. Shpg. wt., $11 / 4 \mathrm{tb}$.
11 P 37504

## Custom Horns - For Your Car

## H119 of the Durd TRIPLE TONE ELECTRIC AUTO HORN $15^{95}$

Get rid of your old horn. Blow the loudest, richest, most melodious horn around. Custom quality three-horn assembly gives you a distinctive, aftention.getting sound. Dimensions $51 / 2 \times 8 \times 103 /{ }^{\prime \prime}$ L. Black enamel finish. For 12 -volt systems. 11 P 44542 Shpg. wt., $43 / 4 / \mathrm{lbs}$.



## HORN

## $6^{95}$ <br> oismoctrve

Go mod! Newest sound sensation! Distinctive BEEP-BEEP sound awakens the daydreamer, gets immediate attention from the slow pokes... just iwo quick taps on the horn and you're way out. Powerful $4 \times 51 / 2 \times$ $61 / 2^{\prime \prime H}$ horn is easily installed in any car. Complete with mounting hardware and horn button control. Finished in 2-tone black and red enamel. For 12 v .
11 P 44534 Shpg. wt., 24/ Ibs........ Net 6.95


## CONTINENTAL HORN

## $14^{95}$

- With European Sound
Swing with the sounds of the continent! Twin
 continental electric horn continental lectric horn
automatically alternates from high to low notes like European polic. horns. Clear, crisp tones are sure to attract the attention of pedes. trians and other motorists. Different from other horns, consists of a nigh note unit and a low note unit mounted on a single sturdy trame. Mounts under the hood of virtually any car, in any available trame. Mounts under the hood of viruale with horn button control. wire, mounting hardware, and complete installation instructions. Black enamel finish with bright chrome grill. For 12 volt. Dimensions: $342^{\prime \prime} \times 51 / 2^{\prime \prime} \times 9^{\prime \prime}$. Shpg. wt. $34 / \mathrm{los}$. $11+345100$

Net 14.95

## ELECTRONIC AUTO BURGLAR ALARM

- Simple, Easy to Install


Protect your car from intruders. Opening a door, truak or hood, or activating any electrical accessory will immediately sound your car horn. Cannot be shut off by re-closing door, etc., and engine will not start until you manually turn off the hidden control enit. Trunk and hood lights are required for protection of these areas. If vehicle is not so equipped, see listing below. Aiarm system is easily connected to horn relay and battery.
11 P 52511 Shpg. wt., i/2 lb
.Net 9.95

## AUTOMATIC TRUNK \& HOOD LIGHT

- For All Cars With 12 Volt System

Light up your entire hood or trunk compart. ment. Bright diffused fight illuminates trunk or hood compartment for loading or unload. ing trunk... for making engine inspection or repairs at night. Completely automatic with Honeywell mercury switch. Easily installed. All hardware and wire included. 11 P 43015 Shpg. wt., $1 / 2$ ib. Net ea. 2.19 Lots of 21.99 each
"FIAMM" ELECTRO COMPRESSOR AIR HORNS

- Chrome Plated Brass Trumpet
- Range of $1 / 2$ Mile
- Loud-ClearContinental Tone

As Low As
$19^{95}$
Model 32. Custom quality chromed trumpets with loud clear, piercing, continental tone. Range up to $1 / 2$ mile. Ideal for use on truchs, sports cars, emergency.vehicles, buses, boats, etc. Compressor pumps alr to trumpets instantly when horn is pressed-there's no waiting for pressure to build up. Supplied with Town and Country Selector Switch which enables use of original horns for cily driving. Complete with: 2 horns ( $7^{\text {i }} 9^{7}$ ). compressor, fittings, horn relay, and all necessary hardware. For 12 volts only. From Italy.
11 P 82500 Shpg. wt., 4 t/2 Ibs.
Net 22.95
Model 22. Same as above but trumpets are enameled die-cast metal. 11 P82518

Net 19.95

## SECRET AUTO.IGNITION GUARD



- Stops Car Theft
- Only You Can Start Your Car
$2^{49}$
- Fits Every 6 and 12 Volt Car and Truck

With just a turn of a moob, the auto ignition guard will stop any car thief. Even master keys and "jumping methods" will not start your car-only you can start it Hooks up in minutes; fits 6 and 12 volt cars and truchs. Shpg. wt. 1/2 lb.

Net 2.49
11 P13117


A real joy for the car enthuslast. An authentic motor-driven horn approved as an exact reproduction in sound and appearance by members of antlque ear, hot rod, and horseless carriage clubs the world over. Chrome-plated bell with black wrinkle-plated housing. With horn button. wire, bracket and instructlons. Shpg. wt., 3y/ Ibs.
t1P30012 6-volt
Net 11.95
11 P 30020 12-volt
Net 11.95

## ADJUST-A-LOCK

## Only 95

Car anti-theft device that makes your car theft-proof in seconds! Requires no special fittings. Fully adjustable steel rod with hey lock attaches to the steering wheel and brake pedal making it impossible to drive your car away. 360 degree swivel top permits universal mounting for all makes and models of cars
11 P 62106 shpg. wt., 212 lbs.
Net 6.95

## Auto Warning Signal Lamps-Accessories



## TRIPP-LITE PROFESSIONAL REVOLVING WARNING LIGHT

## GEII: <br> QUARTZ-IODINE FDG AND DRIVING LAMPS

## - 260,000 Candle Power

- Die-cast, Slim.Line Body


## $22^{95}$

- Magnetic Base Mount
- Plugs Into Cigarette Lighter

Instantly converts any vehicle for emergency use. Meets the require ments of volunteer firemen, auxiliary police officers, and other civil officials. Emits 90 powerful, high-visibility flashes per minute. Beltdriven rotating beacon is unaffected by extreme heat or sub-zero cold. 6 heavy-duty magnets mount unit to any metal surface, such as top of car. Available in red, blue, or amber. Helght: $71 / \mathrm{a}$. Dlameter 54~. Shpg. wt., 2\% lbs.

Net 22.95
11 P 99604 Amber
Net 22.95

## DELUXE REVOLVING BEACON $7^{95}$

- Plugs Into Cigarette Lighter Outlet
- Rotates Like a Lighthouse Beacon
An amber warnine light that rotates 360 degrees and flashes in all direc. tions. Suction mount holds the beacon firmly in place. signals for help for miles around: creates a safety zone during a tiafic emergency: For use on autos, boats. trucks, docks, etc. For 12 volt use; complete with eigarette lighter adapter plug. Shpg. wt., 11/4 lbs.
11 P 13042
Net 7.95
blue turret lens. Converts revolving Beacon for use by emergency vehicles, volunteer fire depts., cD units, etc. Shpg. w.., 5 oz . 11 P 13059



## LIGHTHOUSE LANTERN

- Flashing Red Light
- White Light Beam

Combination lighthouse is both a powerful lantern and a highly visible emergency beacon. 4 -position switch controls on/off. white beacon; flashing red: and flashing red and white at the same time. Twin IIghthouse type reflectors measure $2 \times 2 \%$ ". Completely portable, use in car, boat, plane, camping. Runs on 5 ' $D$ ' batteries (not included). Shpge wt., 4 ibs.
11 P 53501
Net 6.95
Batteries for above ( 5 req.)
99 P 62564

$$
\text { .Net ea. . } 19
$$



REVOLVING BEACON $3^{35}$

- With Amber Lens

Giant size amber turret lens flashes and rotates full $360^{\circ}$. Bright enough to signal help for miles around. Creates a safety zone while changing $a$ flat or during a traffic emergency. For use on sutos, boats. trucks, docks, etc. Big suction cup base will mount on any smooth sur face. Giant size amber turtet tens, bril. liant finish. Uses 3 "D" Datteries. (Not included.) Shps. wt., $12 / 2 \mathrm{lbs}$.
11 P 14503
...Net 3.95
Batteries for above
99 P 62564
Net ea
High power, long life lamp gives life saving illumination in poor weather, makes night driving safer and less tiring. Wide angle, sharp cut-off fog lamp beam penetrates heavy fog. Driving lamp has concentrated. narrow beam for reaching far ahead of nop mal high beams. Chrome plated body. Sealed lens and reflector keeps out dirt and mols. ture. Fully adjustable mounting bracket and 3 ft . attached wire. For 12 volt use, $5 \% \mathrm{~m}^{\circ}$ diameter, $21 / 2^{\prime \prime}$ deep. Shpg. wt., 24 lbs.
Fog Lamp, amber
11 P 26515
............................Nel 13.79 Driving Lamp, clear 11 P 26523
ear
Replacement Bulb
.Net 13.79
11 P 26531 $\qquad$

## POWERFUL QUARTZ 100 INE HAND SPOTLIGHT

## $19^{95}$

- Throws a Beam More Than $1 / 2$ Mile
- For Emergencies, Camping. Marine Use, etc.
- All Chrome Die Cast Metal Housing

A hand-held spotlight 3 times brighter than ordinary sealed-beam spollights. and lasts $21 / 2$ times longer. The super-energized Halogen $H_{2}$, quarti lodine buib projects a powerful, concentrated beam of light over distances of $\mathbf{v}$ mille, Wide $6^{\prime \prime}$ bulb face is perfect for spotting signs af night, house numbers, emergency breakdowns, marine navigation, or a nytime precise, reliable litumination is needed quickly. Conveniently plugs into cigarette outiet. On/off switch. For 12V. DC. Imported. Shpg. wt., $2 \frac{1}{2}$ tbs.
11 P 52529
Net 19.95

## $13^{79}$

## PORTABLE HAND SPOTLIGHT

- 12 Volt 35,000 Candlepower Sealed Beam
- 9.Foot Cord with Plug
- All Chrome Die-cast Metal Housing

Plug-in portable spotlight is a real "lifesaver in emergencies-provides dependable, insiant. powerful light for safety in every night-driving need. Finger-grip handle with on/off switch permits easy direction of light beam. Flezible 9 -foot cord; sealed beam; convenient hang-up hook; rich chrome plate on die.cast metal. Fits most cigarette ighter sackets
11 P 16250 Shpg. wt., 2 1bs. . Net 4.95

## 25.FT. 12 VOLT TROUBLE LAMP

## - Complete With 50 Watt Bulb

 An all purpose emergency Ilght for shop, garage or "on the-road" use. 12 -volt light laps directly from battery of cars, trucks or boats. Color coded alligator clips, yellow cord. Complete with bright 50 watt bulb. Shpg. Wh. $2 \frac{1}{2}$ lbs. 12 P44516 ..........................Net 3.39 Replacement Bulb 12 P44524
## Bulb

## CIGARETTE LIGHTER PLUG

Run any 6 and 12 volt accessory from cigarette lighter receptacle of your carbattery chargers, shavers, $C B$ radios, trouble lights, etc. Also use to replace defective plugs. Imported. Shpg. wt., 302.


99 P 85136
Net .59

# Popular Accessories for Your Car 

## WINDSHIELD OE-ICER

- Heavy Duty-Just Heat and Scrape ONLY 1095


Heavy duty, fast acting de-icer with high capacity blower. Clears up lead windows long before your car's own heating system has a chance to take effect. No more frozen windshields to block of distort vision. Heavy gauge, 16 ft . cord is long enough to reach all windows. Plugs Into cigarette lighter. Break-resistant, cycolac housing. With mounting bracket and in-line fuse. Shpg. wt., $2 \not / 4$ los.
11 P 22514
Nel 10.95

## INFRA-RED WINOSHIELD DEFROSTER



- Plugs into Cigarette Lighter

Quickly melt away mist, Ice, and snow. You no longer have to wait for car to warm up before cleaning windshield-just plug it into your cigaretto lighter, and start defrosting immediately. Completely with 12 foot cable for reach. Ing back windshield. Two suction cups make mountling fast and easy Length 15". Shpg. wt., y/ ib.

Net 3.85

## PRIMETTA "FOGGLES"

FOR SAFER DRIVING:

- AT NIGHT
- IN RAIN
- IN FOG
- IN SNOW


Sclentifically designed to protect eyes from glare of headights. street lights, etc. without materially reducing vision. Filter lens exclude all ultraviolet rays. Ideal for driving at night, in rain, fog and snow. With case. Shpg. wt., 402.

Net 2.69
11 P 32018
Net 2.19
Crip-on "Fogsles"-use on existing glasses.
11 P 32026 Shpg. wi., 4 oz.

## CHILTON'S AUTO MANUAL $9^{95}$

CHILTON'S 1972 GUTO REPAIR MANUALA completely revised manual for every American car since 1965 including new Pinto and vegs compacts. 3500 lifustrations, 1480 pages. Helps pin-point trouble and correct it. 10 P 28018 Shpg. wt.. $74 / 4 \mathrm{bs}$. Net 9.95

## RADIO TRANSVERTER

Now you can avold the expense of buying a car radio with this radio transverter. Simple to operate-remove 9 -volt battery from your transistor radlo, connect contacts from transverter to battery contacts in the radio, and then plug into the cigarette lighter. Shpg. wt. 302.
11 P48014 For 12 -volt cars ... Net 1.95

## 10 FT. NYLON TOW CABLE <br> 

The pertect cable for towing ANYTHING UP TO 5,000 LBS. Constructed of heavy-duly $]^{*}$ wide, DuPont Nylon webbing that stretches $25 \%$ to lake up shocks for smooth, safe tow. ing. Oil, grease and water resistant too! Dual, self-aligning clip attaches to any bumper. Shpg. wi., 174 lbs.
11 P24023
Net 3.95


Oov/ Cre SUPER POWER AUTO VACUUM CLEANER

## $9^{95}$

## men U8:

A smart portable a A smari portable accessory for every car owner. Super power suction cleans in seconds. Specially designed nozzle gives easy access to hard to get at places such as under seats, ash trays, and in crevices. Its lightweight, and durable rust and dent proof construction make this fine unit ideat for boats, planes. trailers, and ients also. Easy to handle and well balanced. Operates off standard 12 V DC car battery. Plugs right into the cigarette lighter socket. Size: 17 " long $x 4^{\prime \prime}$ wide. Shpg. wt., $2 \frac{1}{2}$ tos.
11 P22506
Net 9.95

## DUO.VOLT ${ }^{\text {® }} 12$ VDLT and 110 VDLT HAND VACUUM CLEANER

$22^{50}$

- With Crevice

Tool, Upholstery
Nozzle-Dusting Brush
Compact, yet extremely power ful portabte hand vacuum cleaner ellmInates the need for separate house vacuum and car vacuum. In the house, plugs into 110 VAC, $60 \mathrm{~Hz}_{\text {., and }}$ in the car plugs Into 12 V DC cigarette lighter outlet with suppilied adapter. Durable steel bodyyet remarkably IIghtweight. Long-reach, heavy-duty cord. Ideal for auto, home, ollice, boat, or workshop. 'Toss.Away' bags for easy disposal. Convenient handle. On/off switch. With wide 'Pik-all' nozzle. dusting brush, and crevlee tool. Decorator colors. Shpg. $w t ., 6$ tbs.
11 P 67527
...Net 22.50

## ELECTRO PLATING KITS

- Replate Worn Chrome, Silver, Gold, or Plate New Items
- Easy to Use

Retouch worn, rusted or peeled
As Low As
$6^{95}$
 areas of chrome. silver or gold plated arficles. Restore old plat.
ing to its original beauty by electroplating with pure silver, 24k gold or chrome like metal. Plate new articles with equal salety and ease. Kits come complete with battery case, plating brush, holder. wire and clip, plating solution and directions. Less batteries.
Chrome Plating Kit: covers approx. 12-20 sq.' Use 4 AA cells.
11 P 25509 Shpg. wi., $11 / 2$ Ibs. .....................................Net 9.75
Sifver Plating Nit: covers approx. 2 sq . fl . Use 2 AA cells. 11 P 25525 Shpg. wt., $11 / 4 \mathrm{lbs}$.

Net 6.95
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A precislon-unit with advanced engineering features 11 megs input impedance. $1 \%$ precision ceramic multipiler resistors used. Measures directly peak-to- peak voltage $0-4,14,42,140,420,1400,4200$ DC/RMS sine volts: $0.1 .5,5,15,50,150,500,1500$ (up to 30,000 volts with HVP probe, and 250 MHz with PRF probe). Ohms: 0.2 ohms to 1000 megs in 7 ranges. Easy calibration. $41 / 2^{* \prime}$ meter, can't-burn-out clrcult Zero center. With AC/OC Uni-Probe. Exceptlonal stabillty and accuracy. All components and instructions supplied. For $105-125 \mathbf{5 0 / 6 0 ~ H z ~ A C . ~ S i z e : ~}$ $81 / 2 \times 5 \times 5^{\prime \prime}$. Shpg. Wt. 5 lbs . No Money Down 38 P 26179 Model 232 Kit Model 232. As above, but tactory wired. 38 P 26187 No Money Down*

Net 34.95

## MODEL HVP-5 <br> EICO PROBES

 hi.VOLTAGE PROBEwith Built-in Meter


Light, compact! Measures up to 30 kv . Barriers are provided to Isolate high voltage tip from probe hande and meter. Wt. 6 oz. 38 P 27557

NEW! PST-2 Signal Tracer Probe-Subminiature Signal Tracer. Usable Bandwidth 50 Hz . to 200 MHz , with demodulator probe tip. Powered by 1 " $A A^{\prime \prime}$ battery (not included)

 38 P 27730 PST-2 Kit
38 P 27748 PST-2 Wired Net 19.95 HVP2 HV PROBE-wired only. Extend range of VTVM to $30,000 \mathrm{v}$. Shpg. wt., t/2 it 38 P 26344
PRF-11K-11 meg RF probe kit. 38 P 26286 Shpg. wt., $1 / 2 \mathrm{lb}$. .Net 9.95 PRF-11-As above, Factory wired. 38 P 26294 Shpg. wt., itz Ib. ....Net 6.95

FAMOUS 500 SERIES VOM KITS


MODEL 566K. Large 41/2" mefer features: $A C / D C$ sensitivity of 1 K ohm/v. totals 38 ranges: $A C / O C$ volts: $0-1.5 \cdot 10-500-5000 \mathrm{AC}$ / OC. Current: 0-1.10 m.a. 0-0.1-1 amps. Ohms: 0.5 K - 100K-1 meg. OB: -20 to +68 in 6 ranges. All components and Instructions supplied. $67 / 4 \times 51 / 4 \times 3^{\prime \prime}$. Shpg, wt., $34 / 4$ lbs.
38 P 26013 Model 566 Kit. Net 19.95 Model 566. As above, but factory wired. 38 P 26021

Net 27.95
Model 556K. Same as 566K but with $1 \%$ resistors. Shpg. wt., $31 / a \mathrm{lbs}$.
38 P 26039
Net 21.95
Model 556. As above, but factory wired. 38 P 26047 Net 29.95
MOOEL S36K (Not Illustrated). Outstanding value. $3^{\prime \prime}$ meter features $A C / O C$ sensitivity of $1 \mathrm{~K} \mathrm{ohm} / \mathrm{v} .31$ ranges- $\mathrm{AC} / \mathrm{DC}$ volts: $\mathbf{0 . 1 - 5 .}$ 10.50-100-5000. AC/OC current: $0-2-10 \mathrm{ma}$. $0-0.1 \mathrm{amp}$. ohms: $0.5 \mathrm{~K}_{\text {; }} 100 \mathrm{~K}-1$ meg. $\mathrm{OB}-20$ +69 in 6 ranges. All components and instructions supplied. $6 \frac{1}{2} \times 37 / 4 \times 23 / 4{ }^{4}$. Shpg. wt. $21 / 2 \mathrm{lbs}$.
38 P 26054 Model 536 Kit Net 16.95 Model 536. As above. but lactory wired. 38 P 26062

Net 24.95

## ELCO Tube and Transistor Checkers-Kiit or Factory Wired

MODEL 680K TRANSISTOR \& CIRCUIT TESTER KIT


- Measures Transistor ICBO, ICEO, DC Beta
- 20K Ohm per Volt VOM For Testing Transistor Circuits
Accurately measures basic transistor and diode characteristics. Check ICBO, ICEO, DC diote simulated AC Beta. 20,000 ohms $/$ volt meter includes 5 DC current range. ICBO/IC ranges: $50 \mu \mathrm{a} .500 \mu \mathrm{a}, 5 \mathrm{ma}, 50 \mathrm{ma}, 500 \mathrm{ma}$. Transistor DC Beta ranges: 2 to 30,20 to 300. Test Positions: ICBO, ICEO, PWR, ICBO PWR, ICEO. B Cal, Read B. DC voltage fanges: 5 V and $50 \mathrm{~V}, 3$ resistance ranges: 10 to 2,000,
 tocy. Sell-powered. With leads, batteries.
rater racy. Sell-powered. With lea
Bakelite case $6 \mathrm{H} \times 5 \mathrm{~W} \times 3^{-} \mathrm{D}$.
38 P 26856 Kit . Shpg. wt. $31 / \mathrm{hib}$. Net 39.95 Madel 680 . Same as above, but lactory wired. 38 P 26864

Net 54.95
MODEL 635K PORTABLE TUBE TESTER KIT


## - Extremely Portable Design

## Tests new Decals, Magnovals, Novars, Nuvis

 tors, Compactrons, 10 pin, foreign, hi.Ah, industrial types, and all popular TV picture tubes. Rapid tests for dynamic cathode emisslon, shorts, grid leakage, and gas. Even where internal pins are tled or heater is tapped shorts can be detected. $31 / 2^{\prime \prime}$ D'Ar. $^{\text {A }}$. sonval type meter protected against burnout. Other features include: meter bridge clrcult for assured accuracy; pin stralghteners; long life phosphor bronie sockels; short and grid leak indreator; power indicator; modern lug. gage design, scuff.proof case. includes complete twe chart. $81 / 6 \times 113 / 4 \times 31 / 4$ ". Shor. wt. $73 / 4105$38 P 27383 Kh .
it.....
$\qquad$ ...Net 49.95
Model 635 . As above, but lactory wired.
38 P 27391

MODEL 685 DYNAMIC SEMI
CONDUCTOR CIRCUIT ANALYZER


- Measures FET and Bipolar Transistors - Test Transconductance and Beta-in and Out of Circuit
- Built-In Voltmeter and Ohmmeter Tests FET, Bipolar and Unijunction transis. tors. Silicon Controlled Rectifiers, Power Rectifiers, Signal Diodes, and Zener Diodes. Builf-in DC voltmeter and ohmmeter, 0-500 volts. 400 ohms -10 megohms. $1 \%$ resistors. 50 us, Taut Band meter. AC beta test from 2 to 1000 on power and small signal devices. from 2 to 100 on RF transistors. $0-50,000$ mieromhos $A C$ transconductance readings, iDSS. IGSS and pinch-off vollage readings, Bipoiar Transistor Tests: AC Beta $2-100$ ai IC $=0$. 2 ma for RF devices. For 120 VAC, 60 Hz . Slae (HWD): $121 / 2 \times 8 \frac{1}{2} \times 6^{\prime \prime}$. WL, $13 \% \mathrm{lbs}$. 38 P 27623 Model 685 Kit ....Net 99.95 Model 685 . Same as above but factory wired. 38 P 27631 w
.Net 849.95

MODEL 443K SEMAICONDUCTOR CURVE TRACER KIT


- Output of 443 Can be Displayed on Any General Purpose Scope
Tests power and signal translstors, diodes and rectifiers. Adopts to any general purpose oscilloscope and displays the DC characterIstics of semiconductor devices. Built in osclilloscope calibrator voltage switch. Contains flashing indicator light to indicate when high voltage is present at the diode test terminals. Transistor tests: Beta - 6 volts at 10 ma, maximum collector current for signal transistors and 6 volts at 1 amp. max. collector current for power transistors. Diode tests include: Forward current (0-1,100 ma). Reverse Current (IR) - $(1,10,100 \mu 3 /$ div). Peah inverse voltage ( PIV ) $-(1,10,50$, 100 volts/div). Slzes $3 \times 111 / 2 \times 91 / 2$. 38 P 27409 Shpg. wt., $101 / 2$ lbs. Net 99.95 Model 443 as above but factory wired. 38 P 27417 Net 149.95


## MODEL 667K DYNAMIC CONDUCTANCE TUBE AND TRANSISTOR TESTER KIT



- Separate Plate, Screen, and Grid Switches
- Test All New Tube Types

Combines a mutual conductance test with a peak emission test to give a single reading of tube qualify. Also checks transistors for teakage and beta. Tests almost every domes tic or foreign tube including nuvistors, novars, compactrons, mintatures, subminia tures, octals and loctals. Tests special purpose tubes, voltage regulators, electron ray, etc. Multi-circuit level switch: 15 tube. element pushbutton switches. $4 \mathrm{~V}^{\prime 2} 200 \mu$ D'Arsonval meter; roll chart. Steel case. for $105.130 \mathrm{v}, 60 \mathrm{~Hz}$ AC. $12 \times 15 \times 41 / \mathbf{z}^{\prime \prime}$. Shpg. wt. $20 \%$ lbs.
38 P 26526W $\qquad$ ...Net 99.95
Model 667 as above, but factory wired.
38 P 26534 W ............................Net 149.95

## MODEL 147K <br> dELUXE SIGNAL TRACER KIT



A deluxe instrument with supert lesting facilities, engineered for high sensilivity as well as good audio quality. Features high gain RF and low gain auclo channels. Both visual and aural monitors. With shielded RF crystal demodulator, valuable noise locator circult. built in calibrated wattmeter, substitute test speaker, amplifier and output transformer. Output for VTVM or scope. Triode input circuit for extreme low nolse. Hum free operation. Complete with all com. ponents and instructions with probes. For $105-125$ VAC $50 / 60 \mathrm{~Hz}$. 8x $10 \times 434^{-2}$. Shpe wt., 11 lbs .


(..Net 39.95 Model 147 As above, but factory wired. 38 P 26625 ..............................Net 59.25

MODEL 150 K SOLID-STATE SIGNAL TRACER KIT


Multi-purpose signal tracerl Provides component substitution of output transformer and speaker. Has Indepenedent RF and audio imputs; speaker and calibrated meter output indicators. Ideal for troubleshooting AM, FM and TV receivers as well as hiff and PA audio equipment. High frequency $日 F$ point contact crystal demodulator prote and direct audio probes are provided. SPECIFICATIONS: Output- 400 mw . Input for rated output-RF 1 mV , audio -63 mv . Hum-better than 60 db below 400 mu . Meter movement - 200 uA . For 105-132 VAC.. $50 / 60 \mathrm{~Hz}$. Size: $71 / 2 \times 81 / 2 \times 5^{\circ}$ D. Shpg. wt., $88 / 4$ lbs.

38 P 2 而 16 Kit $\qquad$ Nel 49.95
Model 150 as above but factory wired. 38 P 27524 ................................ 79.95

## MODEL 369K TV-FM SWEEP MARKED GENERATOR KIT



## $11095 \underbrace{\text { No }}_{\substack{\text { Money } \\ \text { Down* }}}$

- Aligns TV and FM IF's
- Both Variable and Crystal Marker Oscillator
- Incorporated Marker-Adder
- Supplied with Cables

Features post injection marker and sweep circult. Sweep gen is independent of marker gen, and feeds sweep signal only to IF strip being allgned. 5 ranges, from 3.5 MHz to 220 MHz . Impedance: 50 ohms, Variable Ire. quency Marker: 4 ranges, $2-225 \mathrm{MHz}$ - 2-75 MHz in Fundamentals, to 225 MHz in Marmonics. Fixed Frequency Marker: $\mathbf{4 . 5} \mathrm{MHz}$. crystal included. For $105.125 \mathrm{~V}, 60 \mathrm{Mz}$ AC. Size: $121 / 2 x 81 / 2 \mathrm{z7}$. Shpg. Wt., $17 \neq / 4 \mathrm{lbs}$. 38 P 26674W Kit.

Net 119.95
Modef 369. As above, but factory wired
.38 P 26682 WX Net 169.95

DELUXE 378K
AUDIO GENERATOR KIT

AUDIO GENERATOR KIT


- Sine Wave: $20-20,000 \mathrm{~Hz}$ In 4 Bands
- Square Wave: $60-50,000 \mathrm{~Hz}$

Model 377 features R-C (Wlen Bridge) osclllator clecuit with $1 \%$ precision resistors. Includes choke filtering in the power supply. Excelient calibration accuracy, stablity and purity of wave-lorm. Response: $\pm 1.5 \mathrm{db}, 60-$ $150,000 \mathrm{~Hz}$. Oistortion less than $1 \%$. Hum less than $0.4 \%$. Accuracy $3 \%$. For 1 1ivac. $60 \mathrm{~Hz}, 50$ watts. Size: $71 / 6 \times 111 / 6 \times 756^{\circ}$. Shpg. wt., 143 m lbs.
38 P $2 \in 633$ Kit.
Net 49.95
Model 307. As above, but lactory wired.
38 P 26641

MODEL 385 SOLID-STATE COLOR BAR GENERATOR KIT


NEW LOW PRICES!


- 10.Bar Color Display plus Dot and Crosshatch Pattern
Crystal-controlled, portabie unit. Feeds direcily into antenna terminats on TV. Produces 10 bar color dis. play plus a well defined dot and crosshatch pattern. Provides Individual horizontal and vertical lines for convergence adjustments. A color-coded gun killer can eliminate 1, 2, or 3 colors. Operates on 6 " 6 " cells. $21 / 2 \times 81 / 2 \times 8$. shpg. wt., 7 lbs.
38 P 27441 KIt. No Money Down*
38 P 27458 Factory Wired
Net 69.95
99 P 62572 "C" battertes (6 rea.) Net 99.95


## EICO Generators and Scopes - Kit or Factory Wired



For IF-RF alignment, stgnal tracing and trouble-shooting of $T$, FM. AM sets all on fundamentals; marker generator for align ment of new HF and older LF TV IF's. Range: $150 \mathrm{kHz}-145 \mathrm{MHz}$ on fundamental: 111.435 MHz on calibrated harmonics- $\pm 1.5 \%$ fre. quenty accuracy. Internal 400 Hz sine-wave modulation variable from $0.50 \%$. Colpitts oscillator. Variable gain external modulation amplifier; Turret-mounted, slug-tuned colls. RF output $100,000 \mathrm{microv}$ Its. AF output up to 10 volts. Output impedance is 50 ohms. For $105-125 \mathrm{~V}$. AC $50 / 60 \mathrm{Mz}$. Size: $8 \times 10 \times 474^{\prime \prime}$. Shpg, wt., $91 / 4 \mathrm{lbs}$.
38 P 26591 KIt. No Money Down ${ }^{*}$. Net 39.95 Model 324. As above, but factory wired.
38 P 26609 No Money Down= Net 54.95

## MOOEL 435K <br> 3* WIDE BAND DC SCOPE KIT



- 18 MV RMS/CM Sensitivity
- Zener Diode Calibration
- DC 4.5 MHz Flat Response

A compact, IIghtwelght $3^{*}$ wideband scope Ideal for home color TV service. Push-putl vertical amplifier offers direct or capacitive inputs. Response; flat from $O C$ to $4.5 \mathrm{MHz}_{\text {; }}$ sensitivity: $18 \mathrm{mv} / \mathrm{cm}$. Reproduces 3.58 MHz color sync burst easily. Vert. input decade attenuator, Input impedance: 1 Meg shunted by 35 mmf . Horizontal: flat 1 Hz to 500 kHz . Sensilivity: $0.7 \mathrm{v} / \mathrm{cm}$. Input imp. 4 Meg shunted by 40 mmf . Full screen vert. and horiz. postioning. Sweeps from 10 Hz to 100 kHz in 4 ranges plus pre-set TV.V and TV-H Sweep positions. Fast retrace blanking. $53 / 4 \mathrm{~W} \times 81 / 2 \mathrm{H} \times 125 / \mathrm{m}^{\prime \prime} \mathrm{O}$. For $105.125 \mathrm{~V}, 60 \mathrm{~Hz}$ AC. Shpg. wt. 17 lbs

## 38 P 26377 WX Kit

Net 129.95
Model 435 as above, bui factory wired.
38 P 26385 WX No Money Oown ${ }^{\circ}$ Net 179.95

MODEL 330K SOLID.STATE RF SIGNAL GENERATOR KIT


- 100 kHz . to 54 MHz in 5 bands
- Precision Vernier Tuning Control
- RF Coarse Attenuation- 3 Steps
- RF Fine Altenvation-0 to $100 \%$
wide.range RF generator for aligning TV's, AM and FM radios and comriunications equipment. Coarse and fine level controls for both the modulated and unmodulated RF output. RF Fundamental frequepcies. 100 KHz to 54 MHz in 5 bands; Output: more than $300,000 ~ \mu V$ into 50 ohm Joad; RF Coarse Attenuation: three steps; RF Fine attenua. tisn: $0-100 \%$; Internal Modulation: auprox. 400 Hz from $0-100 \%$; Power requirements: 105-132 V. 50/60 Hz AC. Size: 74 h $\mathrm{H} \times$ $81 / 2^{\prime W} \mathrm{~W} \times 5^{\circ} \mathrm{D}$. Shpg. wt., $84 / 4$ libs.
38 P 27656 Model 350 Kit ....Net 62.95 Model 330 as above but factory wired. 38 P 27649 No Money Down* Net 94.95


## DELUXE MODEL 460K 5" WIDE BAND DC SCOPE KIT



- For Color \& Black \& White
- 10 MV RMS/CM Sensitivity
- DC to 4.5 MHz Flat Response
- TV.V and TV.H Sweeps

Excellent lab preclsion scope featuring pushpull direct coupled vertical amplifier with high sensitlvity: $25 \mathrm{mv} / \mathrm{in}$ Response flat from OC to 4.5 MHz , useful to $10 \mathrm{MHz}^{\text {, ideal }}$ for reproduction of 3.58 MHZ color TV sync. burst. 4-step freq, compensated attenualor in both $A C$. $D C$ positions. Also internal volt. age calibration. Automatic sync. limiter and amplifier. 2 X -full screen horizontal positioning. Sweep-freq.: 10 to 100 Hz with externat capacitor for lo-freq. sweeps. Preset iv $V$ capacitor for lo-ireg sweeps. Preset TV V
$\& \mathrm{H}$ sweep postions ( 30 and 7875 Hz ). Varl. able lighted graphed $5^{\circ}$ screen. Very hi-input impedance. Complete with all components and Instructions for easy assembly, $13 \times 81 / 2 \mathrm{x}$ $16^{\circ}$. For 105-125 VAC, 50.60 Hz , Shpg, wt., $281 / 4$ lbs.
38 P 26435 W Kit
Net 109,95
38 P 26435 W Kit. Net 109
Modet 460 . As above, but factory wired,
38 P 26443W No Money Down " Net 159.95

944K FLYBACK TRANSFORMER AND YOKE TESTER KIT


## $29^{\text {kir }}$

 WIRED $44^{95}$- Large, Easy-To-Read 41/2" Meter
- Separate Calibration For Air-Core And Iron-Core Flybacks And Yokes

Provides a positive check, in just a few sec onds, on all types of flybacks and yokes, both in and out of the circuit. Dperates on extremely sensitive grid-dip principle to show up even one shorted turn. Separate calibration settings for air-core flybacks and yokes to assure accuracy in testing both types. Large, easy-to-read $4 \sqrt[2]{2}$ " meter, with three colored scales. Tube complement: one 6 K6. ${ }_{5}^{105-125 V}$. AC. 60 Hz . $\mathrm{T}^{\prime} \times 5^{\circ} \times 4^{\circ} \mathrm{O}$. Shpg. wt. 53/4bs.
38 P 27011 Kit. $\qquad$ .Net 29.95 Model 944 . Same as above, but factory wired. 38 P 27029 No Money Down* Net 44.95

## MODEL 465K PROFESSIONAL

 5" OSCILLOSCOPE - VECTORSCOPE
## KIT <br> $179^{95}$



## - DC to 8 MHz

- 12 MV RMS/CM Sensitivity

Preset TV-Vertical and TV-Horizontal sweep positions ( 30 and 7875 Hz ) makes the 465 ideal for all aspects of color and B/W TV servicing. Zener diode controlled voltage calibration source, distortionless $V$ and $H$ trace expansion; brift-free $V$ and $H$ positioning automalic sync limiter and amplifier; fuli retrace blanking; edge ilt callbration grid vertical amplifler specs: response from OC vertica, amplier specs: response from OC
to $8 \mathrm{MHz}(+1-5 \mathrm{db})$; sensitivity, $12 \mathrm{mv} /$ cm rms; input impedance, 1 meg; Horizontal amplifier response from OC to $1 \mathrm{MHz}(+1$ -3 db ); sensifivity. $17 \mathrm{mv} / \mathrm{cm}$ rms; input impedance, 1 meg; Sweep ranges: 10-100 $\mathrm{Hz} .100-1 \mathrm{kHz}$. $1 \mathrm{kHz}-10 \mathrm{kHz}$. $10 \cdot 100 \mathrm{kHz}$. Plus: TV-VERT position ( 30 Hz ) and TV-HOR position ( 7875 Hz ): For 117 v . AC. 60 Hz .1274 Hx $81 / 2 \mathrm{Wx} 171 / 2^{*} \mathrm{D}$. Shpg. wt., $341 / 4 \mathrm{lbs}$
38 P 27425 W No Money Down* . Net 179.95 Model 465 as above but factory wired. 38 P 27433 W No Money Oown . Net 249.95

## EICO Miscellaneous Test Instruments-Kit or Wired

## RESISTANCE \& CAPACITANCE SUBSTITUTION BOX KITS

MODEL 950K R-C BRIDGE
\& RCL COMPARATOR KIT


- Comparator Range Allows the Use of Complementary Components as Standards
Combination RC bridge and comparator, a direct reading ratlo scale for comparison measurement of capacitance, resistance and inductance with a "standard" complimentary component. Measures (in 4 ranges) 0.5 ohms to 500 megohms ; 10 mmi to 5000 mfd . Comparator range: 05 to 20. Variable DC polarizing voltage from 0 to 500 V tests capacitors for leakage and shorts. "Eye"-tube null Indicator. Less leads. For 105.125 V , 60 Hz AC. Steel case. 8HKlowx $4 y_{4}$ D D. Shpg. wt., 8 lbs.
38 P 26898 kit. No Money Down ${ }^{*}$ Net 34.95
Model 950 . Same as above but factory wired 38 P 26906 No Money Down* Net 49.95

MODEL 888 SOLID STATE DELUXE ENGINE ANALYZER KIT


- Large $6^{\prime \prime} 0^{\prime}$ Arsonval 2 Color Meter Seven professional engine and Ignition systems in one. Determine the condition of battery, starter, Ignition coil, distributor, voltage regulator, alternator or generator. Per forms on 4, 6, or 8 cylinder, 6 or 12 volts pos. or neg. grounded systems. Self-powered, (4 "D" cells not included). SPECIFICATIONS: Owell 0 to $45^{\circ}$ for 8 cyl . 0 to $60^{\circ}$ for 6 cyl . 0 to $90^{\circ}$ for 4 CyI.; RPM - 0 to 1200 and 0 to 6000 for 4,6 , and 8 cyl .; Voltage - 0 to 3.2 and 0 to 16V. OC; Dhms - 0 to 20Ka for general continulity and alternator diode testing; Current - 0 to 90 amps . DC. $111 / 2 x$ $6 \times 5 *$ Shpg. wt.. 9 bes.
38 P 27227 Kit . No Money Oown* Net 54.95
Model 888 as above but factory wired. 38 P 27235 No Money Down* Net 79.95

A versatile series parallel RC combination substitution box with switching facilities for selection of any $R$ alone, any $C$ alone, or 1350 combinations of $R$ and $C$ in series or parallel. Resistance values from 15 ohms to 10 megohms; capacitance values from 0.0001 to 0.22 mfd . $\pm 10 \%$ accuracy. Open and short clrcuit positions provided. Can be substituted in circuit to determine values. Convenient 5 .way fack binding pasts. $67 / 4 \times 54 / 4 \mathrm{~W} \times 27 / \mathrm{m}^{\prime \prime} \mathrm{D}$. Shpg. wt. . 3 lbs 38 P 26872 Kit ................................ 19.95 Model 1140. Same as above but factory wired and tested.
38 P 26880
Net 29.95

## EICO OSCILLOSCOPE ACCESSORY PROBES

Features: fully shielded rugged terminal board mounting of all parts shock-mounted floating construction. Probe bodies are color-coded for easy identification

38 P 26450 Model PSD-K Demodulator Probe Kit. Wr. $1 / 2$ It. 38 P 26468 Model PSD as above but factory wired. Wt., $1 / 2 \mathrm{lb}$. 38 P 26476 Model PD.K Direct Probe Kit. Shpg wt., 1/2 ib. 38 P 26484 Model PD as above, but factory wired. We., $1 / 2 \mathrm{ib}$ 38 P 26492 Modet PLC-K Low Capacity Probe Ktt. Wi, $1 / 2 \mathrm{lb}$. 38 P 26518 Model PLC as above, but factory wired. Wt., $1 / 2 \mathrm{ib}$.

Net 4.95 Net 6.95 Net 3.95 Net 4.95 Net 4.95
Net 6.95

# EMC Test Equipment-Kit and Wired <br> (A) <br> $15^{\text {kis }}$ <br> $23^{50}$ $23^{2 k 0}$ $36^{90}$ <br> $30^{\text {kit }}$ <br> $49^{95}$ <div class="inline-tabular"><table id="tabular" data-type="subtable">
<tbody>
<tr style="border-top: none !important; border-bottom: none !important;">
<td style="text-align: left; border-left: none !important; border-right-style: solid !important; border-right-width: 1px !important; border-bottom-style: solid !important; border-bottom-width: 1px !important; border-top-style: solid !important; border-top-width: 1px !important; width: auto; vertical-align: middle; ">$31^{k i}$</td>
<td style="text-align: left; border-right-style: solid !important; border-right-width: 1px !important; border-bottom-style: solid !important; border-bottom-width: 1px !important; border-top-style: solid !important; border-top-width: 1px !important; width: auto; vertical-align: middle; ">$51^{\text {Kita }}$</td>
</tr>
</tbody>
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<table-markdown style="display: none">| $31^{k i}$ | $51^{\text {Kita }}$ |
| :--- | :--- |</table-markdown></div> 


[a] MODEL 212 TRANSISTOR ANALYZER KIT. Battery powered, checks all Iranslstors for beta in 3 ranges to 200; leakage on 3 -color scale. Tests all transistors in circuit without removing them. Can be used to signal trace AF, IF or RF circuits. Also measures battery voltages on $0-12$ volt peak and $O C$ current drain on 0.80 milliampere scale. Checks condition of diodes. Supplied with test leads and instructions. 38 P 24016 Model 212 kit Net 15.50 38 P 24026 Model 212 wired $\qquad$ Net 23.50
(1) MODEL 213 TUBE TESTER KIT. Checks all new Compactrons, Wuvlstors, Novars and 10 prong tubes in addftion to Octals, Loctals, Minlatures and 9 -prong tubes. Tests for shorts, leakages, intermiltents and quality, Quality is indicated directly on 3 -color metal dial. Each section of multi-purpose tubes is checked separately. Also tests Magic Eye, Vollage Regulator and Mi-Fi tubes. Supplied complete with high-impact bakelite case and strap, instructions and tube charts In ring bound manual. Size: $81 / 2 \times 71 / 2 \times 4{ }^{-} .5 \mathrm{hpg}$. wt., $41 / 2 \mathrm{lbs}$. 38 P 24034 Model 213 kit
38 P 24042 Model 213 wired. No Money Down
Net 36.90

[C] MODEL BOT RESISTANCE COMPARATOR CAPACITANCE \& CAPACITY CHECKER KIT. Measures condensers for actual value, leakage, and power factor. Detects in-cireuit opens above 50 mmid , shorts up to 20 mfd , and condensers that are intermittent In operation. Checks capacity values in 4 ranges from 10 mmfd to 5000 mmfd ; resistance in 4 ranges from .5 ohms to 500 megs. Also checks capacitor, inductance or resistance ratio, or transformer windings with a ratio of $20: 1$ or less. Tests oower factor and leakage at rated voltages be. tween 0.500 VOC. Size: $10 \times 7 \times 5^{\circ \prime} \mathrm{D}$. Shpr. wt. $81 / 4 \mathrm{lbs}$
38 P 24059 Model 801 kit. No Money Down*
Net 30.45
38 P 24067 Model B01 wired. No Money Down*......Net 49.95 (0) MODEL 802 SIGMAL TRACER AND GENERATOR KIT. COMbInation signal tracer and generator. In the absence of a signal it generates its own signal for audio. IF or RF testing. incorporates a noise locator circuit for checking noisy components. Provisions are made for using the instrument as a substitute speaker or ampllfier. Audio Freq., $400 \mathrm{~Hz}_{\text {i }}$ IF Frea., 455 kMz (Mod.). Complete with demodulator and audio probes. 10 E $7 \times 55^{\text {ºb }}$. Shpg. wt., $91 / 4 \mathrm{tbs}$.
38 P 24075 Model 802 kit. No Money Down*
Net 31.45 38 P 24083 Model 802 wired. No Money Down*

Net 51.95

## Test Leads, Probes, and Circuit Testers

 voltages from 60 volts AC to 550 volts AC or OC. Imported. Shpg. wt., $20 z$.
99 P 80715 .......................... ea. . 49 STANDARD. TEST LEADS

Standard test leads furnished with plastic plods and pin plugs which withstands chipping or breaking. Extra flexible kinkless vinyl covered $60^{\circ}$ red and black leads. Prods are red and black. $4^{*}$ long a $3 / 8^{*}$ diameter. Supplied in pair of one red and one black. Avallable with elther pin or banana plugs. Imported. Shpg, wt. 8 oz. 1
99 P 50015 With Banana Plugs Net . 59 99 P 50023 with Pin Plugs ... Net . 59

UNIVERSAL TEST LEAD KIT IN PLASTIC CASE


Conslsts of: palr of red and black color coded $4388^{\prime \prime} \mathrm{x} 3 \mathrm{~B}^{\prime \prime}$ plastic handle pin prods with $30^{\prime \prime}$ plastic insulated leads terminating in coded $2^{\prime \prime} \times{ }^{\prime \prime}{ }^{\prime \prime}$ banana plugs; pair of spade tugs; palr of phono-tips; and pair of red and black insulates alligator clips. Handsome compartmented plastic case. Imported. Shpg. wt., 702.

99 P 50031
Net 2.19

STRETCH-TYPE TEST LEADS
$2^{39}$ 9

Cannot kink or become entangled. 16" coll extends to 9 feet. Includes red and black plastic handes on each end. Probe $61 / 2$ " long includling tips. Importec Shpg. wt., 602. 99 P 50239

Net 2.39

## 6 FT. COIL CORO

TEST LEADS
129
Stretch-type color-coded coiled cord twin test leads. Furnished with $51 \%^{\prime \prime}$ test prods on one end and pin plugs on the other end. Flexible vinyl clad wire cannot become entangled. $30^{\prime \prime}$ colled reads extends to $6^{\prime}$. Imported. Shpr. wt., 5 oz

## 99 P 50783

Net 1.29

## KLIPZON ADAPTER

Convert old test points to self holding prods. Pierces insulation of standard phone tips or needle type.
32 P 80161 Black, 2 oz. Net ea. . 44


Type $5406-L T$. Sturdy, pocket sized tester has a range of $0-150$ volts, $\mathrm{AC} / 0 \mathrm{C}$. Plug Into any wall outlet and read the voltage, then plug in the appliance(s) and note the new reading. Find (and demonstrate) voltage drop or inadequate wiring as a source of service problems. Shpg. wt., 6 oz.
38 P61697

## CRT 3OKV TEST PROBE


$19^{95}$

- With Built-In Meter

Self-contained probe with bulft-In voltmeter. Easy to operate! Requires no batteries or external power source. 30,000 volts $O C$ range; 20,000 ohms/volt sensltivity; accuracy of $\pm 3 \%$; multiplier resistance is 600 Megohm $\pm 2 \%$. Overall length is only $143 / 4^{\circ}$. With ground wile and cllp. Shpg. wt., $1202^{\circ}$ 38 P 12013 ................................Net 19.95

## B \& K FP3 3 POINT PROBE



Easy one-hand way to check transistors, diodes and components in Printed Circuit Boards. Needle fips are spring loaded for proper contact. Colorcoded leads terminate In insulated alligator clips.
38 P 17269 Shpg. wt., 8 oz. ......Net 9.95

## CHEK-IT ELECTRICAL CIRCUIT TESTER

## $1^{88}$

Hand pocket size tester checks electrical continuity of line cords, switches, coils, and fuses. Ideal for checking out buzzers, chimes, and various other electrical appli.: ances. Uses 2 inexpensive penlight cells. Shpg. wt., 3 oz
30 P 79807 Chek-It less batterles Net 1.88 Battery for "Chek-lt." 2 required.
99 P 62580

# Ammeters, Voltmeters, Wattmeters, and IC Testers 



Measure AC current by snapping trigger-operated jaws around single conductor; measure AC voltage with safety test leads. Accuracy $\pm 3 \%$ FS. WS models feature shape and balance to fit elther hand, pointer lock to "freeze" readings, unbreakable mag. nifying window, rotary scale that permits only the scale in use to show, Jaws accommodate $1 \mathrm{Ko}^{\prime \prime}$ diameter conductors and $1 \mathrm{~K}^{\prime \prime}$ x $1 / 2^{\prime \prime}$ bus bars. Junior jaws measure up to $1 / 2^{\prime \prime}$ diameter conduc. tors. for 60 Hz circuits.

Ranges: $0-6 / 15 / 40 / 100$ Amps AC; $0-150 / 600$ VAC. Shpg. wt., $13 / \mathrm{lbs}$. 38 P 13011 No Money Down* ........................................ 46.85

AMPR08E RS-2
Ranges: $0.6 / 15 / 40 / 100$ Amps AC; $0-150 / 300$ VAC. Shpg. wi., $11 / 2 \mathrm{lbs}$. 38 P 13029 No Money Down* $\qquad$ ...Net 46.85 AMPROBE OELUXE RS-3
Ranges: $0-6 / 15 / 40 / 100 / 300$ Amps $A C ; 0-150 / 300 / 600$ VAC. 25 ohm midscale ohmmeter. Shpg. wt., $1 *$ lbs. 38 P 13037 No Money Down*

AMPROEE JUNIORS
Lighter duty, smaller versions of standard Amprobes. Will measure up to $1 \mathrm{i}^{\prime \prime}$ dia. conductors $4 \mathrm{Y}^{\prime \prime}$ long. $1 \%$ " thick, $2 \frac{1}{2 "}$ wide. $1.8^{*}$ long scale. Rugged construction with ribbed, non-slip case. For 60 cycle AC. Shpg. wt., $1 / 4 \mathrm{lb}$.

| STOCK NO. | MODEL | AC AMPS | AC YOLTS | NET PRICE |
| :--- | :--- | :--- | :--- | ---: |
| 38 P 13052 | Y25 | 0.25 | $0.125-750$ | 25.85 |
| 38 P 13094 | Y550 | 0.50 | $0.150-600$ | 25.85 |
| 38 P 13102 | Y500 | 0.100 | $0.150-600$ | 25.85 |

Model P1-Carrying Case for Amprobe Juniors. Wt., $1 / 4 \mathrm{Ib}$. 38 P 13128

## SENCORE PM 157 POWER MONITOR



- Fuse Resistor Checker
- AC Line Voltage Monitor
- Zero To 1150 Watt Wattmeter
one of the most practical service tools devised. Checks AC line voltage, 0.135 volts $\pm 3 \%$ under actual operating load. As a wattmeter checks If an instrument is dissipailing too much power-AC power scales are 0.115 . 345,1150 watts. Reads both AC and OC current: $0-1,3,10$ amps. Checks fuse reststors with special scale for each fuse resistor Oetermines value of blown out fuse resistor. in-circuit. The PM 157 is protected by 10 ampere circuit breaker. Size: $8 \times 6 \times 5^{\circ}$. All metal tilt handle. Includes test leads. Shpr. wi., $53 / \mathrm{lbs}$.
$38^{\prime}$ ' 53330 No Money Down ${ }^{\circ}$ Net 69.50


## BOSCO "MOSQUITO" SIGNAL INJECTOR

## $14^{95}$



Transistorized, pocket sized, and cordiess. Oscillates at 1 kHz with harmonics to 30 MHz Can be coupled into magnetic circuits and pickups without leads. Output 50 v p-p. Output impedance, 10 K . DC input voltage, 600 V ., max. Size: $5 \% /$ I $1 /{ }^{\prime \prime} 0.0$.
38 P 22103 Shpg. wt., 6 oz. ....Net 14.95 "AA"Battery for "Mosquito"
99 P 62580

# High Quality LAFAYETTE Multitesters 



## DELUXE 30,000 OHMS-PER-VOLT MULTITESTER WITH MIRROR SCALE

- 30,000 Ohms.per-Volt DC, 15,000 Ohms per Volt AC

$19^{95}$- Low Voltage Scale for Transistor Tests

- $1 \%$ Precision Resistors for High Accuracy - Unique "Buzzer" for Fast Short Tests
- 27 Meter Ranges on 2 -Color Scale
- Built-in Overload Protective Circuitry Oeluxe portable Volt-Ohm.Milliammeter with a mirror scale. Provides wide voltage, current, resistance and ab ranges clearly visible on a big $4^{*}$ meter with 2 color calibrations. Bullt-in overload protective circuitry. Sensitivity is 30,000 ohms-per. volt DC and 15,000 ohms-per-volt AC. All multipliers used are $1 \%$ precision resistors for maximum accuracy and years of dependable service. Sensitive 33 -micro-ampere meter provides full scale readings down to $1 / 4$ volt on OC and .05 milllamps. Features a unique self-contalned buzzer to glve you tast in -circuit checks on opens, shorts. Audio output jack with OC blocking capacitor. Handsome, dust proof black plastic case. Complete with leads, batteries. Size: $44 / 4 \mathrm{~W} \times 6 \mathrm{~K}, \mathrm{H} \times 23 / 4 \sim 0$. 99 P 50718 Imported. Shpg. wt., $21 / 4 \mathrm{lbs}$. Net 19.95 38 P 01081 Texon Carrying Case for the above. Shpg. wt., $50 z$. Net 1.95


## SPECIFICATIONS

Sensitivity: 30,000 ohms/volt OC, 15,000 ohms/volt AC. Ranres: $O C$ volts: $0-25,1$. $2.5,10,25,100,250,500,1000 ;$ AC volts: $0-2.5,10,25,100,250,500,1000$ Ofrect Current: $0.0 .05,5,50,500 \mathrm{ma}: 0.12 \mathrm{amps}$ Ohmmeter: $0-60 \mathrm{~K}, 6 \mathrm{M}, 60 \mathrm{Meg}$ ohms, Decibels: -20 to +56 db . Short Test: Internal Buzzer, Audio Dutput Jack. Controls: Range Switch, Ohms Adjust. Batteries: 1 type $\mathbf{Z}$ cell, 15 volt.

## DELUXE 20,000 OHMS-PER-VOLT MULTITESTER WITH MIRROR SCALE

- 20.000 Ohms-Per-Volt DC, 10,000 Ohms-Per-Volt AC

$14^{95}$

- Low Voltage Scale for Transistor Tests
- $1 \%$ Precision Resistors For High Accuracy
- 40.Microamp 3½" D'Arsonval Meter
- Built-in Overload Protective Circuitry

Handy pocket multi-tester with mirror scate. Has every needed range. Ideal for repair and service work, testing and troubleshooting electronic circuits and appli. ances in the fabor shop. 40 microampere meter movement permits a high input resistance on alt ranges. Has a single range/function control for quick. simple operation, plus zero ohms adjust and buill-in overioad protective circuitry. With batteries, test leads $51 / 2 \times 3 K_{5} \times 1 / / \mathbf{c}^{\prime \prime} 0$. Imported. Shpr. wt., $14 / 2$ Ibs.
99 P 50734
Net 14.95
38 P 01073 Texon Carrying Case for above. Shpg. wt., 5 0z. ..............Net 1.95 SPECIFICATIONS
Sensitivity: 20,000 ohms/volt $O C ; 10.000 \mathrm{ohms} /$ volt $A C$. Ranges $D C$ volts. $0.6,6$. 30, 120. 600,1200 ; AC volts: 0.6 . 30, 120, 600. 1200. Resistance: $0.10 \mathrm{~K}, 100 \mathrm{~K}$, $1 \mathrm{M}, 10 \mathrm{Megs}$. Current: $0.60 \mu \mathrm{~A} .0 .6,60,600 \mathrm{MA}$. Decibels: -20 to +63 . Capacity: 200 mmf to 0.2 mfd .

## 20,000 OHMS-PER-VOLT MULTITESTER WITH MIRROR SCALE

\author{

- $05 \cdot 20,000$ Ohms/Volt DC, 10,000 Ohms/Volt AC <br> - $1 \%$ Precision Resistors <br> - Easy-to-Read 3" Meter <br> - Built-in Overload Protective Circuitry
}

Easy vistbility is provided by the large 2 -cotor $3^{-}$meter with mirror scale. The 40-Microampere $0^{\prime}$ Arsonval meter movement permits a high input resistance on alt ranges. Bullt-in overload protective circuitry. Supplied with battery and lest leads. Rugged. high impact plastic case. Size $34 / 4 \times 4 / a x 1^{*}$. Imported. Shpr, wt. ift. 99 P 50726 Net 11.95
38 P 01073 Texon Carrying Case for above. Shpg. wt., 5 02. ............Net 1.95 Specifications
Sensitivity: $20,000 \mathrm{ohm} / \mathrm{volt} \mathrm{OC}, 10,000 \mathrm{ohms} / \mathrm{volt}$. AC. Range OC Volts: 03,30, $60,300,600,3,000 \mathrm{~V}$. AC Volts: $0.6,60,120,1,200 \mathrm{~V}$. OC Current: $0.60 \mu \mathrm{~A}, 0.12$, $0-300 \mathrm{ma}$. Resistance: $060 \mathrm{~K}, 0.6,60$, Megohms. Decibles: -20 to +63 db . Audio Output lack. Type " 2 " 1.5 V cell for resistance measurements.

## "SUPER MINI" AC/DC VOM

## $7^{25}$

- Compact Pocket Size: $31 / 2 \mathrm{H} \times 24 / 6 \mathrm{~W} \times 13 / \mathrm{B}^{\circ} \mathrm{O}$.
- Reads AC/DC Volts To 1200 Volts
- 8-Input Ranges - 4-Reading Scales
- Separate Red Scale For Low AC Reading Highty accurate. low cost multitester: Handy to use anywhere by technicians, hob byist or home owners for trouble shooting electronic circuits and testing applances. Ranges: $A C / O C$ voltage, $0.12,0.120$, and $0.1200 ; O C$ current. 0.1 mA and 0.120 mA . Reads resistance from o to 200,000 ohms. Easy to read red scale for low AC readings. $1 \%$ resistors offer precise readings. Sensitivity: 1000 ohms per volt. Zero ohms adjust. Operates on 1.5 volt " 2 " cell. Complete with test leads and battery.
99 P 50791 Imported. Shpg. wt., 10 oz.
Net 1.25
99 P 50809 Pigskin Carrying Case for above. Shpg. wt., 5 0z. ..........Net 1.75


# Deluxe LAFAYETTE and TRIPLETT VOM's LAFAYETTE 50,000 Ohms Per Volt VOM 

- Large $51 / 2^{* *}$ Meter
- 50K Ohms Per Volt DC
- 5K Ohms Per Volt AC
- Built-in Overload Protection
- Low Voltage Ranges For Transistor Circuitry
- 1\% Precision Resistors
- Accuracy $\pm 2 \%$ DC, $\pm 3 \% A C$


## $39^{95}$

No Money Down*

Super-sensitive, self-contained, portable Multi-Tester! Employs $\mathbf{1} \%$ precision resistors and high quality components for an aecuracy of better than $2 \%$ on OC; 3\% on AC. Useable at firequencies up to 100 Hz . Meter movement is selfshielded with spring-backed jewels. Also has polarity switeh and easy-10-read range indicator. Built-in meter overload protection. Size: $51 / 4 \times 23 / 4 \times 61 / 2^{\circ}$. With batteries and test leads. Imported. Shog. wt., 3 lbs. 99 P 50767

Net 39.95

## SPECIFICATIONS

Ranges: OC Volls: 0-0.25-2.5-10-50-250-1000@ 25K ohm/V; 0-0.125-1.25.5.0 25-125-500@ 50K ohm/V.AC Volts: 0.3.10.50-250-1000@ $2.5 \mathrm{~K} \mathrm{ohm} / \mathrm{V}_{\text {i }}$ $0-1.5-5.0-25-125-500 @ 5 \mathrm{~K} o \mathrm{~mm} / \mathrm{V}$. OC $\mu \mathrm{A}: 0.25 @ 125 \mathrm{mV}: 0.50$ @ 250 mV . DC mA: 0.5.50.500@250 mV. 0.2.5.25-250@ 125 mV . DC amperes: 0 $10 @ 250 \mathrm{mV}, 0.5$ @ 125 mV . onms: $0-2 \mathrm{~K}, 10 \mathrm{~K}, \$ 00 \mathrm{k}, 1 \mathrm{~m} .10$ Mess. 08 -20 to +81.5 in 10 AC volt ranges.


## LAFAYETTE "Lab Type" 30,000 Ohms Per Volt Multitester

$22^{95}$

- Self-Supporting - 8urnout Protected
- Mirror Scale - Buzzer for Short Tests
- Low Voltage Scale for Transistors

Deluxe VOM with easy-to-read 2 -color calibrations and mirror seate. Ouitt-In overload protective circuitry. Sensitivity is 30,000 ohms-per-volt DC and 15,000 ohms-per-volt AC. $1 \%$ precision resistors. sensitive $33 \mu A$ meter. Self-contained buzzer for fast In-circuit chechs on opens and shorts. Audio output jack. AC Volts: $0.2 .5,10,25,100$, 250, 500, 1000. DC Volts: $0-25,1,25,10,25,100,250,500,1000$. OC Current: $0.0 .5,5,50,500 \mathrm{ma}_{;} 0.12 \mathrm{Amps}$. Ohms: $0.6 \mathrm{k}, 0.60 \mathrm{~h}, 6 \mathrm{~m}$, 60 Mes. D8: -20 to +56 . Dustproof plastic case. With leads and batterles. Size: $7 W \times 4 H \times 240^{\prime \prime} \mathrm{D}$. Imported. Shpe. wi.。 $14 / 2 \mathrm{lbs}$.
99 P 50017
. Met 22.95


## LAFAYETTE "Lab Type" 20,000 Ohms Per Volt Multitester

$16^{95}$

- Self-Supporting - Bumout Protected
- Mirror Scale - 1\% Precision Resistors
- 40 Microampere Meter Movement

Especially designed for ease of handling. Has every needed range and mirror scale for precise readings. $40 \mu \mathrm{~A}$ meter movement permils a high input resistance on all ranges. Has a single range/func. tion control plus zero ohms adjust. With batterles and test leads. SPECIFICATIONS: Sensitivitv: 20.000 ohms/volt DC; 10.000 ohms/ volt AC. Ranges: DC Volts: $0.6,6,30,120,600,1200 ;$ AC Volts: $0-6$, $30,120,600,1200$, Resisiance: $\mathrm{O}-10 \mathrm{~K}, 100 \mathrm{~K}, 1 \mathrm{~m}, 10 \mathrm{Meg}$ onms. Cur: rent: $0.60 \mu \mathrm{~A}, 0-6,60,600 \mathrm{ma}$. DB: -20 to +63 . Capaedty: 200 mmf to 0.2 mid. siLe: iw $\times 4 \mathrm{H} \times 2 \frac{1}{6}{ }^{\circ} \mathrm{D}$. Imported. Shog. wt., $1 l_{2} \mathrm{lbs}$.
99 P 50025
Net 16.95


## $78^{00}$

TRIPLET 310 FET POCKET VOM

No Money Down * - 10 Megohm Input Resistance On All DC Ranges

Hand-held, battery operated. High sensitivity ( 300 my fs) allows transistor bias measurements. Provisions for aftaching clamp on AC ammeter adapter (see below). Accuracy of $\pm 3 \%$ on $D C$ and $\pm 4 \%$ on $A C$. zero center for null measurements. Polarity reversing switch. Ranges: $D C$ Volts: $0-0.3-1.2-6-30-120.600 ; A C$ volts: 0 -3-12-60-3n0-600; Resistance: $0-5 \mathrm{~K}-500 \mathrm{~K}-50$ Megohms; $D C$ Current: $0-0.12-1.2 \mathrm{ma}$ at 300 mv . Shog. wt., 14 az 38 P 72009 Net 78.00
MODEL 10 AMMETER ADAPTER. Clamp-on type ammeter, plugs into 310-FET. Laws clamp around single contuctor to measure 0-6-12-30-60-120-300 amps AC 30 P 73072 Shpg. wt. 1 lb

Net 21.00
MODEL 379 -leather Case for 310 and 10 . Shpg. wt., $12 \mathbf{0 z}$.
38 P 73080

## LAFAYETTE, SENCORE, and B \& K Solid-State VOM's



with 3 ft . test leads and batteries

## LAFAYETTE Solid-State FET VOM with Giant $5 \frac{1}{2} 2^{\prime \prime}$ Meter with Mirror Scale

## High Impedance Multimeter Measures

 DC Voltages, AC Voltages-RMS and Peak-to-Peak, DC Current, Electrical Resistance, and Audio Power Levels in db.- Manual DC Polarity Selector Switch
- High Sensitivity-0.3 V. range with 11 Megohm DC and 1 Megohm AC Input Resistance
- Built-in Overload Protection Circuitry
- Direct Peak to Peak AC Voltage Measurements
- Battery Check Indicator
- 0.5\% Precision Resistors

RANGES:
DC VOLTS: $0.3-1.2-12 \cdot 30-120-300-600-1200 \mathrm{~V}$. Accuracy $\pm 3 \%$ at full scale.
AC VOLTS: $0.3-30-120-600 \mathrm{~V}$ (RMS), 0-8-80-320-8600V (P-P). Accuracy $\pm 4 \%$ at full scale.
OC CURRENT: $0.12-1.2-12-120 \mathrm{~mA}$. Accuracy $\pm 3 \%$ at full scale. RESISTANCE: $(30 \mathrm{ohm}$ mid-scale) $\times 1, \times 10, \times 100, \times 10 \mathrm{~K}, \mathrm{X} 1 \mathrm{MEG}$ Olo (2K, 20K, 200K, 20M, 2000M). Accuracy $\pm 3 \%$ at full scale. DECIBELS: -20 to +56 db using 4 - AC ranges.

A high quality, accurate FET volt-ohmmeter with the high impedance of a VTVM and big easy-to-read 54/2" meter. Is capable of high sensitivity transistor bias measurements ( 250 mV full scale) up to 2000 Megorms. Direct Peak-to-Peak AC volt measurements cacability at 1 Megohm impedance. Buitt-in overload protection circult. "Zero center" mark for nuli measurement built-in. Lightweight for easy use and portablity. Has convenient battery chect-eliminates goling out on a job with weak batteries. Accessories included; Batteries, Test Leads, and Instruction Manual. Size $61 / 4 H \times 41 / 4 W \times 2^{\prime \prime}$. Shpg. wt., $21 / 2$ los. Imported.
99 'p 50593 No Money Down*

## NEW! SENCORE "LITTLE HENRY"

 FE23 FET MULTIMETERDELUXE SENCORE FE2O HI-LO FET MULTIMETER


$129^{95}$
including hi-volt probe

- 15 Megohm Input Resistance on DC, 12 Megohms on AC
- Accuracy $1.5 \%$ DC, $3 \%$ on AC

A must for accurate resistance measurements in solid state circuitry. Has 9 DC voltage ranges from as low as a tenth of a volt full scale to 1000 volts. 3 hi-voltege ranges of $3 \mathrm{KV}, 10 \mathrm{KV}$, and 30 KV .9 DC zero center ranges from .05 to 500 volts for transistor bias measurements. 9 AC RMS ranges from a tenth of a volt full scale to 1000 volts. 7 resistance ranges from 1000 ohms full scale to 1000 megohms. (Both Hi and to ohms read on same scale). 9 DC current ranges from 100 microamps to 1 amp. Battery test provision. Overload protection circuitry. Special front panel .6 amp fuse to protect the ohms and milti-amps scale. Size: $91 / 2 \mathrm{H}$. $73 / 4 \mathrm{~W} \times 31 / \mathrm{A}^{\circ} \mathrm{D}$. Shpg. wt., 9 lbs. 38 P 53371 w No Money Down ${ }^{\circ}$. Net 129.95 "C" batteries (7 req.)
99 P 63687

NEW! B \& K 281 SOLID-STATE DIGITAL MULTIMETER


No Money Down*
Highly accurate, stable digital vom. 3-digit display. Positlve over-range indication. Polarity reversal switch. Low test current on low resistance ranges eliminates danger of harming components. SPECIFICATIONS: Functions: DC Volts, $A C$ Volts, OC Current, $A C$ Current, and Ohms- 32 rankes in all. DC Volts: $0-0.1,1.00,10.0,100,1000 \mathrm{~V}$. Accuracy: $\pm 1 \%$. Max Limit: 1500 VDC. DC Current $0-100 \mu \mathrm{~A}, 1.00 \mathrm{~mA}, 10 \mathrm{~mA}, 100 \mathrm{~mA}, 1.00$ A. Accuracy: $\pm 1.5 \%$. Ac Volts: $0-0.1,1.00$. $10.0,100,1000 \mathrm{~V}$ RMS. $20-1000 \mathrm{~Hz}$. Max. Limit: 1000 V RMS $/ 1500 \mathrm{~V}$ peak. Accuracy $\pm 1.5 \%$. Ohms: $0.10,100,1 \mathrm{k}, 10 \mathrm{k}, 100 \mathrm{k}, 1 \mathrm{M}$, 10 M . Input impedance: 10 Meg , all ranges. Handsome case with combination hande/ stand. With leads and probe. Size: $31 / 2 \times 7 x$ $9^{\prime \prime}$. For $105-125$ VAC, $50 / 60 \mathrm{~Hz}$. Wt., 5 lbs. $38^{\prime}$ P 17384 No Money Down* Net 169.95

# Deluxe VOM'S \& VTM'S for Accurate Measurement 



SIMPSON 92 PAGE BDOK " 1001 " USES OF TME 260 SERIES VOM. A MUST FOR EVERY STUOENT, TECHNICIAN, ANO ENGINEER. WT., 7 OZ, 33 P 4861 :

## Simpson MODEL 260-6 AC/DC VOM

- 20,000 Ohms/VDC, 5000 Ohms/VAC Sensitivity
- Accuracy: $\pm 2 \%$ DC, $\pm 3 \%$ AC
- $50 \mu \mathrm{a}$ Self-Shielding and Shockproof Movement

All the advancements of the previous 260 series plus these new features: $0-1$ volt $D C$ range, $0-500$ volt $A C$ and $D C$ ranges, external aCcess battery and fuse compartment, multi-purpose screw-on lest leads with combination probe and alligator clips. OC polarity reversIng switch, full wave bridge rectifier for fast easy readings. Ranges: OC mv, $0-250 ;$ AC and DC volts, $0-1,2.5 \cdot 10-50-250-500-1000$; AF output V., 0-2.5-10-50.250; DC $\mu$ a, 0.50 ; $O C$ ma, $0.1-10-100-500 ; D C$ amps., $0.10 ; D B,-20$ to +50 in 4 ranges; Resistance, $0-20$ mess in 3 ranges. Housed in bakellie case, $51 / 4 \times 7 \times 344^{\circ}$. With battery and test leads. Shpg. wt., $4 \mathrm{k} / \mathrm{lbs}$.
38 P 48170 No Money Down*
.Net 68.50
Simpson MODEL 260.6P-Same fine features and ranges as Model $260-6$ but equipped with special sensor circuit to prevent burned components, bent pointers, and blown rectifiers. With battery and test leads. Shpg. wt., 4 lbs.
38 P 48702 No Money Down *
Net 99.50
Simpson MOOEL 260.6PRT-Same as above, but with "roll top" safety case. Shpg. wt.. $73 / 1 \mathrm{l}$ s 38 P 48728 No Money Down*
. Net 105.50
Simpson MOOEL 270-4-Same as Model 260-6 but with mirror scale, knife edge pointer, self shielded annular meter. Higher accuracy $\pm 1.25 \% \mathrm{OC}, \pm 3 \% \mathrm{AC}$. Dimensions: $54 / 4 \times 7 \times 344^{\prime \prime}$. Shpg. wt. $41 / 2 \mathrm{lbs}$. 38 P48736 No Money Down* ....................................Net 81.50
Simpson mOOEL 240-4RT-Same as Model 270-4 but with roll top case. Shpg. wt., $71 / 4 \mathrm{lbs}$.
38 P 48744 No Money Down*
Net 87.50
AOD-A-TESTERS FOR 260 and 270 SERIES ACJOC DOMS
Add unlimited versatility to all 51 mpson 260 or 270 Series AC/DC VOMS made since 1947 except ROLL TOP models. Turns these VOM'S into 9 different type testers. Shpg. Wh., 234 lbs.

| Stock No. | Model | Type | Net |
| :---: | :---: | :---: | :---: |
| 38 P 48108 | 650 | Transistor Tester | 44.00 |
| 38 P 48116 | 651 | DC VTVM | 52.00 |
| 38 P 48124 | 652 | Temp. Tester | 49.00 |
| 38 P 48132 | 653 | AC Ammeter | 30.00 |
| 38 P 48140 | 654 | Audio Wattmeter | 34.00 |
| 38 P 48181 | 661 | DC Ammeter | 33.00 |

## ACCESSORTES for SIMPSON VOMS

Stock No. Model No. Formodel Oescription Wt. Net 38 P $4806601818 \quad 260$ \& 270 Series Leather Case $11 / 213.50$ 38 P $48074 \quad 07500$ 270 38 P $4808200509 \quad 2608270$ Series 50 SOVHVProbe 117.00 38 P $48090 \quad 00508260-8270$ Series 25KVHVProbe $1 / 217.00$ tALLIGATOR CLIPS

## MERCURY 1700 C VTYM WITH MULTI-COLOR G" $^{\prime \prime}$ METER

 $54^{45}$No Money Bown

- Mirror Scale
- D'Arsonval Movement
- 11 Megohm Input Resistance

OC Voltmeter: Rangest $0.1 .5,5,15,50.150$, 500,1500 volts full scale. Input Resistance: 11 megonms ( 1 megohm in probe). Accuracy $\pm 3 \%$ of full scale. A. Voltmeter: 7 Ranges (RMS), 0.1.5, 5, 15, 50, 500, 1500 .wits full scale. 7 Ranges Peak-to-Peak, 0-4, 14, 40, 140. $400,1400,4000$ volts. OD scale- 20 to +66 db in seven ranges. Ohmmeter: Ranges: RE1 $(0.1 \mathrm{~K} \mathrm{ohm})$, $R \times 10(0.10 \mathrm{~K} \mathrm{ohm})$, $R \times 100$ ( 0.100 K ohm), RIIK ( 0.1 megohm), Rxiok ( 0.10 megohms), Rx 100 K ( $0-100$ megohms). RXI MEG ( 0.1000 megohms). 10 ohms center scale on Ral range. Power Requirementss $105.125 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Size: $81 / 2 \mathrm{H} \times 6 \% \mathrm{hW} \times$ $41 / 2^{\prime \prime} 0$. Shpg. wt., 6 lbs .
38 P 37192 w


- Sec Pare 23 for Full Details on Easy Pay Plan

RCA WV.98C
SR. VOLTOHMYST


Big 64/ color-coded meter with $200 \mu$ a moverrent and accuracy of $\pm 3 \%$ on $A C$ and DC. $1 \%$ precision multiplier resistors. Meter is burnout proof. Measures p-p voltages up to 4200 volts of sine waves. Range: DC volts, $0.5-1.5-5-15-50-150 \cdot 500 \cdot 1500 ; \mathrm{AC}$ rms volts. $0.1 .5 \cdot 15 \cdot 50-150-500-1500$ Resistance. 0.2 onms 101000 megohms in 7 ranges. OC input resistance, 11 megohms. Sturdy, single. unit probe with built-in $O C / A C / O h m s$ selec. tor swifich. Size: $7 \mathrm{~W} \times 6 \mathrm{v} / \mathrm{H} \times 3 \geqslant / 40 \mathrm{O}$. For $110.1 \xi 0$ volts, $50 / 60 \mathrm{Mz}$. AC. Wt., $7 \mathrm{~K} / \mathrm{lbs}$. 38 P A6 102

## RCA WV-510A SOLIO. STATE MASTER VOLTOHMIST



A hi-quality. solid-state electronic voltmeter. Measures DC voltage from 0.01 to 1500 V , direct current from 0.01 mA to 1.5 A , ACV from 0.2 to 1500 V, AC D-py of complex waveforms from 0.5 to 4200 V , and resistance values from 0.2 ohms to 1000 megohms. Seven overlapping ranges for AC, resistance and current measurements; eight ranges for OC voltage measurements. Accuracy is $\pm 3 \%$. Input Resistance 21 megohms. With DC/ACOhms probe and cable, slip-on alligator cilp and leads, $110-135 \mathrm{~V}, 50.60 \mathrm{~Hz}$. AC. Size: $67 / 8 \times 51 / 4 \times 31 / \mathrm{m}^{2}$. Shpg. wt., $7 \mathrm{~V} / \mathrm{tbs}$ t. 38 P46482W

## Tube and Transistor Checkers

## LAFAYETIE TUBE AND TRANSISTOR CHECKER



## Kit <br> $29^{95}$

- Easy To Build Step By Step Instructions


## wired 4995

No Money Down*

- Checks Latest Compactrons, Nuvistors, Novar and 10 Prong Tubes
- Checks Tubes For Shorts, Leakage, Intermittents, and Quality
- Checks Transistors For AC Current Amplification

Easy, step-by-step wiring and assembly instructions. Enjoy big dollar savings when you bulld this fine fube and transistor tester kit. Tube section features testing of compactrons, nuvistors, novars, and 10 -pin tubes in addition to 7 . and 9 -pin miniatures, cctals, and loctal types. Short, leakage, and intermittent tesis avaliable. Quality is indicated directly on an easily read, 3 -color meter scale. Each section of mulli-purpose tubes is checked separately. Hi.Fl, Magic-Eye, and voltage regulator tubes can also be tested. obsolescence-proof: Unique switching arrangement allows new fubes to be tested as they

## COLOR CRT AND CIRCUIT ANALYZER



- Instant Hook-up for Analyzing, Testing and Adiusting Color CRT's and Associated Circuitry Under Actual Operating Conditions

Soeed color-TV servicing by using this analyzer. Turning off electron guns is as easy as opening swltches. Each color gun has lis own switch and any combination of colors may be chosen. Voltage and current tests are easily performed using single pin jacks provided on the panel. Simpilifes purity adjustments, convergence, gray-scale and tracking, voltage test, current measurement and wave form observations. Sturdy compact unit is fully insulated and enclosed. Complete with detailed procedure booklet. $61 / 4 x$

38 P 14019
Net 19.95

## NEW! TRANSISTOR CHECKER AND CURVE TRACER



## Only

## $29^{95}$

- Use with Any General

Purpose Oscilloscope

- Check Transistors

In-Circuit
become avallabie. In addition, this fine tester also checks transistors: PNP and NPN, high of low power, for AC amplification. Tells Immediately whether of not transistor is operable. Portable, rugged tester Is Ideal for serviceman and hobbyist alike. Enclosed In a high impact bakelite case with carrying strap. Supplied with batteries, full instructions, and ring bound manual of tube charts. For 110 VAC 60 Hz . Size: $81 / 2 \times 71 / 2 \times 4^{\prime \prime}$ Shipg. wt.. $41 / 2 \mathrm{lbs}$.
38 P 01123W $\qquad$ Net 29.95
As above wired and tested.
36 P $01131 w$ $\qquad$ .Net 40.95

## LAFAYETTE FILAMENT CONTINUITY TUBE CHECKER

$3^{19}$

- Checks CRT's, Loctal, Octal. 9-Pin and 7-PIn Sockets


Smaft and compact as a cigarette bex. Qulckly checks filament continulty. Tesis filaments of radio, TV picture tubes. Also can be used to test many other electrical devices arid line cords fuses. lamos and bulbs. Has sockets for ty picture fube and loctal, octal, 9-pin, as well as 7 -pin sockets. Rrovided with two test leads. Grey hammer. tone finish. Slze: $4 \times 3 \times 1$ th"。
99 P 50163 Shpg. wt., 10 oz. ....Net 3.19

## RCA WC-506A TRANSISTOR AND DIODE CHECKER



Compact, battery operated instrument providing quick, simple checks of relative gain and leakage levels of out.of-circult transis tors. Panel switch provides for checting high-leakage transistors, with transistor socket. color coded test leads, and a large easy-to-read meter with a single red/green scale. Checks relative front-to-back current ratio of diodes. Powered by two 1.5 v bat. teries. (Not included.) size: $33 \times 61 / 4 \times 2^{\prime \prime}$ 38 P 46409 Shpg wt., $13 / 4$ lbs. Net 18.00 99 P 62580 "AA" Battery ..Net ea. . 10

## SENCORE TC162 MIGHTY MITE TUBE TESTER



## $110^{00}$

 Tubes- Stethoscope Shorts Tests
This deluxe solid-state tube tester with FET's glves you reliable and durable service. Push button function switches allow for instant and accurate measurement. Tests virtually every tube type, large or small, domestic and foreign. Checks each section of multi-grid tubes separately. Checks for all shorts, grid emission. leakage and gas. Special stethoscope shori test for checking each element of the tube. Tests for grid leakage to 100 megohms. New pln eliminatlon switches permit testing more tubes than ever before. Eliminates "normal" shorts caused by internal connections in tubes. Complete portability in a rich vinylclad, brushed chrome trimmed case. Power Requirements are 115 volts AC at 32 watts For $56 / 60 \mathrm{~Hz}$. Size: $117 / 4 \times 1142 \times 1144^{\prime \prime}$. Shpg. wt. 10 lbs.
30 P53348w No Money Down" .Net 110.00


## DELUXE RCA WT-501A TRANSISTOR TESTER



6800

- DC Beta From 1 to 1000
- Collector-to-Base Leakage As Low As $2 \mu a$

Completely portable ..... requiring no external power source, tests both low and high power Transistors, and has both NPN and PNP sockets. Tests out-of-circult transistors for d-e beta from 1 to 1000 , collector-tobase leakage as low as 2 microamperes, and collector-to-emitter leakage from 20 microamperes to 1 ampere. Spectal low impectance circuitry assures rellable in-circult testing. Collector current is adjustable from 20 microamperes to 1 ampere in four ranges. Three color-coded test leads are provided. With two 1.5 volt batteries. Shpg. wt., 6 Ws. 202.

38 P 46342 No Money Down *......Net 68.00

NEW! B \& K 747 DYNAMIC GM TUBE TESTER

$249^{35}$
No Money Down*

Tests All Tubes With True Dynamic Mutual Conductance Test
B \& K's finest tube tester tests all tubes with true mutual conductance test. Has (1) "let-Check" section for testing tubes most often us ad in radio and TV; (2) programmed section for less popular tube types. Thus, the Model 747 is truly obsolescence-proof, extremely fast and easy to use, and offers the posilive reliabitity of the dynamic Gm test in both sections. Tests emission of nonampllfying tubes such as diodes and rectifiers; check high-voltage regulators with ef fective dynamic test. Checks for shorts, leakage, grid emisslon, gas, and Ilfe expect ancy. $100 \%$ solid-state. Size: $5 \%$ I $201 / 2 x$ $111 / 2^{\prime \prime}$. For $105-125$ VAC, $50 / 60 \mathrm{Mz}$. Shpg wt., 12 lios.
38 P 17368 WX
.Net 249.95
SENCORE TF151 "In or Out of Circuit" Transistor Tester


$129^{50}$With Special Reference Book for Testing Transistors and FET's
Accurare, easily read 6 "meter. Tests for $A C$ Beta and out of circult tebo leakage. increased current check for high power transistors make tests more accurate. Special tests for critical RF transistors like GE9's. also makes the following special fests on FET's: True GM mutual conductance in or out of chrcuit: Igss leakage checked out of clicult Special Gate 2 check provided for two gate FET's; Special Idss (Zero Bias) current check provided for matching FET's or for industrial "cutting"; Special positive bias test for new enhancement FET's. For 115 VhC . Size: $91 / 2 \times 71 / 2 \times 6^{\circ}$. Shps. wt., 12 lbs
$38 P$ E3272W No Money Down ${ }^{-}$. Not 129.50

## B\&K 466 CRT TESTER/REJUVENATOR



## $129^{95}$

 In TV Sel- Checks And Repairs Each Color Gun Indicates picture tube quallty. Checks color or black and white CRT's for leakage, shorts, opens, emission. Rejuvenates virtually all CRT's. Exclusive Feature: "Monitored Rejuvenation" - you can watch the emission change as you rejuvenate CRT. Unique "Super-Rejuvenate" function for restoring emission of otherwise worthless CRT's. Operates tubes at correct filament voltage. Handles H1, G2, and Lo G2 tubes. Comes equipped with 3 multisocket adapters for testing all new CRT's including Trinitrons, Measure GI voltage. Color coded G2 controls. Large $4 \%$ precision meter with scale coded to front panel controls to prevent errors. Plastic/aluminum type attache carrying case. size: $131 / 4 \times 91 / 2 \times 5 *{ }^{\prime \prime}$. For 105 . 125 V 50-60 Mz AC. Shpg. wt.. 8 lbs.

30 P 17327 Wx No Money Down* Net 129.95

## B\&K501-A SEMICONDUCTOR CURVE TRACER

## NEW!

$129^{95}$

- Compatible with All Oscilloscopes


## No Money Down*

The \& $\times 501$ - Curve Tracer is to solidstate devices what the mutual conductance tube tester is to the vacuum tube. Makes fast analysis of semi-conductors condition by displaying their pattern on the screen of an aurliary scope. Tests: Transistors, Unijunctions, Triacs, SCR's: Tunnel diodes, Zener dlodes, signal diodes; rectifier dlodes; FET's, MOSFET's. Generate true current steps. Sweep Generator Range: 0.100 volts peak at 100 mA max: 120 Hz full-wave rectified, Step Generator: 11 Current Ranges and 5 Voltage Ranges. With Cables to scope; FP- 3 probe; Mylar $10 \times 10$ division graticule. Size: $4 \times$ $10 \times 942^{\circ}$. Shps. wt. 6 lbs
38 P 17376 WX
Net 129.50

# Signal Generators - RF and Audio 

NEW! MERCURY 1501 RF SIGNAL GENERATOR

NEW! MERCURY 1600
SINE-SQUARE WAVE AUDIO GENERATOR

RCA WR-50B RF SIGNAL GENERATOR


No Money Down*

- 7 Overlapping Bands
- 6 Fundamental and 1 Harmonic - 120 kHz to 500 MHz

Troublesthoot radios, TVs, and other electronic equipment in minutes with this accurate, fast-operating RF Signal Generator. Panel switch enables you to change output from pure sine wave to 400 Mz AM modulated RF for checking RF, IF, converter, and detector. Separate 400 Mz audio output for checking audio stages. Unit also serves as a marker enerator for alignment work. Features an input jack for external modulation and provision for crystal calibration. Frequency accuracy $+2 \%$. Range: 120 kHz to 500 MHz . Precision, etched scale with vernter funing tnob. With output cable. Size, $51 / 2 \mathrm{~W} \times 81 / 2 \mathrm{H}$ $\times 61 / 4{ }^{\prime \prime}$ D. For $105-125 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$.
38 P 37218 W Shpg. wit., 61/4 lbs. Net 49.95


- Accuracy: $\pm 3 \%$
- Vernier Tuned
- Frequency Range

Sine: $20 \mathrm{~Hz}-200 \mathrm{kHz}$
Square: $20 \mathrm{~Hz}-25 \mathrm{kHz}$
Provides a funeable sine or square wave frequency signal for wide varlety of applica. tlons. Directly measures frequency response characteristics of audio amplifiers, speakers afid enclosures. Specifications: Output voltage: Sine-7 volts, Square -7 volts. Out. put Impedance: 1000 ohms with Attenuation Range. 4 Ranges: $1 / 1,1 / 10,1 / 100,1 / 1 \mathrm{k}$. Distortion. Less than $2 \%$. With output cable. Size: $51 / 2 \mathrm{~W} \times 81 / 2 \mathrm{H} \times 61 /{ }^{\circ \prime} 0$. For $105-125$ VAC, $50 / 60 \mathrm{~Hz}$. Shpg. wt., $61 / 4$ lbs.
38 P 37200W
.Net 59.95


- Tuneable RF Output from 85 kHz to 40 MHz in 6 Ranges
ideal for allgning and troubleshooting AM, FM, TV, CB and Mam receivers. Provides tuneable RF output from 85 kHz to 40 MHz in 6 ranges on fundamentals, CW or modulated RF. Dial calibration accuracy $\pm 2 \%$. Builte-In 400 Hz audio oscillator for internal or external modulation. Sweep output at 10.7 MHz and 455 kHz with return trace blanking for sweep allgnment of radio receivers. Modula. tion level control. Also features 2 -step RF attenuator switch, and front panel crystal socket for oscillator calibration. Stielded outputs. Sire: $53,6 \mathrm{~W} \times 7 \mathrm{y} / \mathrm{H} \times 43 / 40 \mathrm{D}$, For $105.130 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$, Shpg. wt., $7 \mathrm{y} / \mathrm{k}$ lbs. 38 P 46318 No Money Down*, Net 75.00


## NEW! LEADER LSG-15 SOLID-STATE RF SIGNAL GENERATOR



$99^{95}$- $120 \mathrm{kHz}-130 \mathrm{MHz}$, Up to 390 MHz on Harmonics

Save time isolating problems in tuner, IF, video. and color circuits with this solld-state wide.band Rf Sisnal Generator. Unit incorporates Fieid Effect Transistors for ultra. stable performance and reliability. Frequen. cy dial is large, easy-to-read, and accurately calibrated. Frequency range is 120 kHz to 130 MHz , and up to 390 MHz on harmonics. Internal modulation source provides 400 Hz modulated signal at up to 1 volt output for audio test. Generator also serves as a mark-er-generator for checking RF and IF allgnment in FM and TV receivers. Its use is further extended by provisions for aecommodating a 1.15 MHz range crystal. Output Voltage: approx. $100,000 \mu \mathrm{~V}$ with fine attenuator and high-iow switch. With RF Output cable and clips. Size: $7 H \times 111 / 2 W \times 6^{\circ} D$. Shpg. wt., 5 lbs.
38 P 40055 W No Money Down Net 99.95

## B \& K 200D SOLID-STATE RF GENERATOR

25 Hz to 200 kHz in 4 Decade Bands

Ideal for testing high fidelity components and other sensitive olectronic equipment. This deluxe sine/square wave generator provides a low distortion sline wave and a last rise square wave. Generator also produces a complex wave output, sultable for IM distortion checks, and willi synctronize signals from an external source. Four decade bands provide a frequency range to 200 kHz . Unit is calibrated accurate to $\pm 3 \%$, with less than 1\% drift. Specifications: Synch. Signal: IV for $\pm 3 \%$ frequency control. Sine Wave Output: $0-3$ volts rims. Flatness: $\pm 0.5 \mathrm{db}$. ref. 1 kHz , Square Wave Output: 0.5 volts p . p. Complex Wave: Range-HF, 4 to 20 kHz . Voltage- 0.5 volts p-p. Cabinet has built.ln carrying handle and measures 7H a $111 / 2 \mathrm{~W}$ 4 51/3"D. For 115 VAC, 60 Hz . Shpg, wt., 5 fbs. 38 P 40063 W No Money Down* Net 119.95


## 4095 <br> - Built-in Crystal Calibration

- 100 kHz to 216 MHz in 5 Bands

For trap, bandpass coll alignment, FM/AM recelver alignment, stage-by-stage ampllfier galn tests, and signal traclag. $100 \%$ solidstate circuitry. Zener-regulated power supply, 6 individually shielded step attenuators, variable fine output level control, and call. brated 200 нa O'Arsanval meter. Range: 100 KHz to 54 MHz on fundamentals ( 5 ranges), and 54 to 216 MHz on harmonics. Outputs: modulated RF, unmodulated RF, external modulated RF, and 400 Hz audio. Accuracy better than $0.1 \%$ with internal crystal callbration. Size: $12 \frac{y}{4} \times 7 / 4 \times 8^{\prime \prime} \mathrm{D}$. For 110 . 130 VAC, $50 / 60 \mathrm{Mz}$. Shpg. wt., 16 ibs.
38 P 17318 WX No Money Down*Net 199.95

## Color Bar Generators

## $89^{00}$

LEAOER LCG- 388 COLOR bar pattern generator


Trigger pulses to sync. scope. Composite video signals for video circuit testing. Gum killers for purity and convergence adjustments. Outputs: RF, Channel 5 and 6 ; Pat-Terns-Color Bars: Gated Rainbow, R-Y, B-Y and $-(\mathrm{R}-\mathrm{Y})$, Rainbow; Dols: Fine 15 vert. x 21 horiz., Coarse-7 vert. x 11 horiz., Single Dot centered on raster; Cross hatch: Fine-21 vert. $x 15$ horiz., Coarse- 11 vert. $x 7$ horiz. Single Cross centered on raster; Vertical Fine-21 lines, wide. 11 lines, single cine Horizontal: Fine. 15 lines, wide- 7 lines and Single tine. Chroma level control: $\mathbf{0 . 2 0 0 \%}$ adjustable. For $105-125 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Size: $31 / 4 \mathrm{H} \times 71 / 4 \mathrm{~W} \times 73 / 4^{\circ} \mathrm{O}$. Imported. Shpg. wi., $63 / 4 \mathrm{lbs}$.
36 P 40006 WX No Money Down ${ }^{\circ}$ Net 159.95

RCA 515A CHRO-bAR IC color bar generator


- Outputs for RF, IF, and Video

Deluxe color Dar generator with IC circuitry for excellent pattern stability. No counter alignment controls to adjust. Video output also provides 2 volis across 75 ohms for use in CCTV. CATV, and MATV. "Superpulse" feature simplifies gray scale traching adjust. ment. testing for picture smear, and irouble. shooting by signal tracing and injection. Color-bar marker Identffies 3rd, 6th, and 9th color bars for setting tint control. Push. buttons provide color bars, dots, crosshatch, and blanh raster patterns. 75 or 300 -ohm vairable level output. Size: $10 \mathrm{~W} \times 4 \mathrm{H}^{\circ} \times 8^{\circ} 0$. For 120 VAC. 60 Hz . Shpg. wt., $64 / 2$ tbs
36 P 46508 No Money Down ${ }^{2}$ Net 179.00

## TV Circuit Analyzer and Oscilloscopes

B \& K MOOEL 10778 COLOR AND B\&W TV ANALYST


- For Checking Every Stage In a Coior and B\&W TV Receiver
- With Solid StateSweep Drive


No Money Down*

Designed to simplify and speed servicing of black and white. color, UMF, VMF, tubetype and transistorized TV recelvers. Permits you to inject your own TV signals at any time, at any point ... while you watch the generated test pattern on the picture tube or television set itself. Supplies a complete test pattern by means of a flying spot scanner system. Eight VHF RF channels, VHF channels 14.82, 20 to 45 MHz IF, audio, video sync, three color adjustment patterns. bias voltage and AGC heying pulse ARE ALL AVAILBBLE. Checks $\quad$ + boost and gives high voltage indicalion. Provides 3 -color receiver test patterns: White dot, cross hatch, color bar. Complete with test leads and siandard test pattern slide transparencles. For 105-125V., 60 Hz AC. Size: $17 \times 10 \mathrm{l} / 4 \times 10^{\circ}$. Shpg. wt., 31 lbs.
38 P $17301 w x$
Net 399.95


LEAOER LBO-501 5" SOLIO STATE TRIGGEREO SCOPE


- Calibrated Triggered Sweep
- Vectorscope Input
$389^{95}$
No Money - Includes Lo/Cap Probe

Prafessional $5^{\prime \prime}$ triggered scope with calibrated vertical input and calibrated time base. Features a vertical sensitivity of 20 $\mathrm{mV} / \mathrm{cm}, 2 \mathrm{~Hz}$ to 10 MHz frequency response, rise time of 35 nanoseconds. Horizontal sensitivity: $200 \mathrm{mVPD} / \mathrm{cm}$ or better, 2 Hz to 200 hHz Bandwidth, $0.2 \mu \mathrm{sec} / \mathrm{cm}$ sweep speed. 5x sweep magnifier. Edge Lighted graficule. Has a flat face $5^{\prime \prime}$ CRT with buittin calibrator and a vectorscope input. Includes lo/cap probe, UHF terminal to binding post adapter, and a set of vectorscope leads. Power requirements: $115 \mathrm{~V} 50 / 60 \mathrm{~Hz}$; ADprox. 50 VA . Sizes $101 / 2 \mathrm{~N} \times 8 \mathrm{~W} \times 162 / \mathbf{2}^{\circ \mathrm{D}} \mathrm{D}$ Imported. Shpz. wt., 21 lbs. 36 P 40030WX

Net 389.95

## LEAOER LBO-505 <br> SOLIO-STATE OUAL-TRACE SCOPE



- With 2 Direct Lo/Cap Probes, 2 Terminal Adapters, and One Set of Test Leads

Designed for the most demanding lab and service technician. Features dual-trace and service technician. Features duan ithels, with triggered and automatic sweep for maximum versatility. $A C$ or $O C$ coupling on each channel. OC to 15 MHz bandwidth with 4 cm deflection. $10 \mathrm{MVp}-\mathrm{p}$ / cm vertical sensitivity. Separate or simultaneous display in sweep mode of Channels 1 and 2 , alternating, chopped, algebraically added, and vector ( $X \cdot Y$ ). I0X magnification with maximum speed at 10 nanoseconds/ cm . Triggered sweep range from $1 \mu \mathrm{~s} / \mathrm{cm}$ to $0.5 \mathrm{~s} / \mathrm{cm}$, calibrated in 17 steps. Input impedance is 1 megohm shunted by 40 ple Intensity modulation: External Input over 15 Vpop , negative polarity. Size: $73 \mathrm{yH} \times 97 \mathrm{WW}$ $\times 15 \%$. For $115 / 230 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$. Shpg wi., $172 / 2$ los.
38 P $40071 \times Y$ No Money Down* Net 559.95

# Power Supplies, R-C Substitution Boxes and Analyzers 

## LAFAYETTE SOLID-STATE DC POWER SUPPLY/BATTERY ELIMINATOR



Only

- Use As A DC Power Supply
- Use As A Battery Eliminator For Transistor Radios
- 4.5, 6, 9, and 12V Output Voltages
- Up to 140 MA Output

Essential Instrument for repair of solid state equipment requiring constant low voltage. Doubles as a convenient battery elliminator for transistor radlos. Highly filtered circuitry provides four output voltages: 4.5 v . $9 \mathrm{v} ., 6 \mathrm{v}$. and 12 v . Voltage selection is simplified with front panel slide switches. Up to 140 MA output. Features transformer power supply and pliot light. For 117 VAC. Overall size:

99 P 50742
.Net 8.60

## SENCORE BE156 7 IN 1 DC BIAS SUPPLY



Now allign any black and white, tube or solld state TV set. The RE 156 bias supply provides the bias that you need in any stage negative or positive, as specified by the TV manufacturers. Three separate and independent 25 volt supplies offer; carefully calf. brated output and a positive and negative polarlty switch; Atso has provisions to Increase the output to a negative 75 volts for use on such sets as the RCA chroma amplifiers that specify 67.5 volts. $7^{-w}$ : $4^{-D} \times 2^{\prime \prime} \mathrm{H}$. Shpg. wt., $24 / \mathrm{l}$ los.
38 P 53355
Net 24.95
SENCORE R-C 146 SUBSTITUTION BOX FOR CAPACITORS, RESISTORS, AND RECTIFIERS


- Provides 75 Used Values of Carbon Resistors, Capacitors, Electrolytics, and Power Resistors
- Also Provides Substitution Testing for 0.5 Amp. Universal Silicon and Selenium Rectifiers
Save valuable servieing time 'hunting up' exact components for substitution testing oniy. Provides twelve 1 waft resistors from 10 to 5.6 k ohms. Tweive $1 / 2$-watt resistors from 10 k to 5.6 meaphms. Ten 600 -volt capacitors from 100 mmfd to 0.5 mfd . Ten eiectrolytics that can be used singly or as duals to form up to 25 different values Electrolytic surse protector circuit prevents arc, spark or healing of electroivtic in set. 2 mid to 250 mfd at 450 volts. Power healistors of 20 wafts from 2.5 to 15,000 ohms and a universal o. esistors of 20 watts from 2.5 to 15,000 ohms. and a universal 0.5 amp. silicon and selenlum recififer for substitution. Sizer $101 / 2 x$ $43 / 4 \times 3 / 4^{\circ}$. Shpg. wt., $5 \%$ los.
38 P 53363 No Noney Down*
Net 69.95


## LAFAYETTE TRANSISTORIZED DC POWER SUPPLY



- AC Ripple Less Than . $025 \%$
- Transistorized Regulation Circuitry

Provides continuously variable voltage and eurrent with low ripple. Excellent for operation of transistorized devices. Panel meter reads either current or voltage. SPECIFICATIONS-Output voltage: O-20 volts DC (continuously variable). Output Current: $0.20 \mathrm{MA}, 0-200 \mathrm{MA}$ (In two ranges). AC Ripple: less than $.025 \%$. Power input: $110-120$ volts, $50-60 \mathrm{~Hz}$, AC. Fuily fused. Size: $61 / 4 \times 14 / 43 \neq{ }^{3 /}$. Imported. Shpg. wt., $27 / 4$ tos.
99 P 50684 Net 18.65
LAFAYETTE R-C SUBSTITUTION BOX

- 24 Resistance Values
- 9 Capacitance

Ranges


Ensbles rapid substitution of wide range of resistor or capacltor values. Resistance values in two ranges ( 12 steps each)-Low: 15 ohms to 10 K ohms; Mighi 15 K ohms to 10 Meg ohms. $\pm 10 \%$ aceuory conaltance ranges are, 0001, 0010. 0022. 0047; 010, 022. racy. Copacirance ranges are . 0001.0010 , 0022; .0047; .010; .022; 0.47; 10; 22 MFD (rated at 400 volt working capacity). Sizez 54, $23 / 4 \times 13 / 4^{n} \mathrm{H}$. Imported.
99 P 50759 Shpg. wt., 2 \%/ Ib.
Net 5.40

## SPRAGUE MODEL TO-6 TELOHMIKE CAPACITOR ANALYZER



- Tests Low-Voltage Capacitors Used in Transistor Circuits Without Damage
- Designed for Versatility, Accuracy, Safety and Convenience
For complete anslysis of all types of capacitors, including lowvoltage capacilors, at an accuracy of $\pm 3 \%$ for values up to 200 mfd . and $\pm 5 \%$ accuracy from 200 mid and up. Capacitance bridge measures capacity in five ranges from 1 mmf to 2000 mfd , with colorkeyed pusthutton mange selection Large meter directly Indicates keyed pusthutton range seiection. Large meier direc insulaticates Insulation resistance up to 50,000 megohms for paper, ceramic and mica capacitors. Wien bridge measures power factor of electrolytic capacitors from 0 to $50 \%$ in three ranges. Leakage current of electrolytic capacitors measured directly on meter, with continuously variable test voltage up to 600 volts. Burn-out-proof meter; safety switch. $8 \% \times 14 \% \times 6 \%{ }^{\circ}$. For 110-120v $50 / 60 \mathrm{~Hz}$ AC. Wt. 18 ibs. 38 P 70011w


## Bench Power Supplies-Battery Eliminators \& Chargers

## Lafayette SOLID-STATE REGULATED DC BENCH POWER SUPPLY



- Automatic Protection Against Overload
- Continuously Variable Output Voltage 5-13, 12-20 VDC at 0.2 Amp
- Output Voltage Reguiation: $\pm 1 \%$

Lab-fype regulated $D C$ bench power supply with dual range voltage selector. Ideal for all types of transistor serviclng and festing. Provides well filtered, continuously adjustable DC output of $5-13$ or $\mathbf{1 2 - 2 0}$ volts. Fully regulated with continuous output current of up to 2 amp . with less than 5 mV RMS ripple at full toad. Selfrestorins overioad profection. Two D'Arsonval meters for constant monitoring of voltage and current output. Both Input and output of power supply are fused for maximum protection. Input: 115 or 230 VAC $\pm 10 \% 50 / 60 \mathrm{~Hz}$. Housed in a rugged steel case. Size: $64 / \mathrm{h}$ $\times 41 / 2 \mathrm{~W} \times 83 /{ }^{2}=\mathrm{D}$. Imported. Shpr. wt., $8 \mathrm{~V} / \mathrm{l}$ los.
99 P 50775
Net 46.95
EICO BATTERY ELIMINATOR AND CHARGER KITS

As Low As

No
Money
Down*

(A) 1060 S

(B) 1064 s


- Regulated Against Line and Load Variations
- 0.30 Volts Continuous Dutput With Loads Up 10500 MA
- Voltage and Current Monitored by Meters

Provides the voltages and currents most commonly needed in the service shop as well as in the engineering laboratory. Low ripple enables you to use 1032 for testing portable radios, tape recorders, hearing aids, eic. May also be used in the laboratory as a fixed blas supply or for fulfiling any other regulated voltage requirement. Millameter is fused to prevent burnout. Specifications: Output Voltage: 0 to 30 volts regulated. Output Current: 0 to 500 ma, Voltage Regulation: 0.2 volis change from 0 to maximum load with 105-135 volt line. Ripple: less than 2.5 mv peak-to-peak. DC Voltmeter: 0.10 volts, 0.50 volts. Miliammeter: $0-500$ ma. Power Requirements: $117 \mathrm{VAC} / 60 \mathrm{~Hz}$, Site: $3 \mathcal{N}_{4} \times 8 \times 4 \not \mathrm{~m}^{+1}$. Shpg. wt., 7 lbs. 38 P. 27581 Model 1032 Kit. No Money Down* ... Net 44.95 MODEL 1032W: As above but factory wired and tested 38 P 27599 No Money Down ${ }^{\circ}$

Net 59.95

## EICO 1020 TRANSISTOR DC POWER AND BIAS SUPPLY KIT



APPIICATIONS INCLUDE:

1) Universal Power Supply for Transistor Devices
2) Variable Bias Supply for TV or Radio 3) DC Filament Supply

Continuously variable output voltage to 30 volts monitored by a dual range voltmeter ( $0-6,0.30$ VDC). Ideat for servicing both tube and transistor gear. Maximum contínuous output; 150 ma from 0.12 V . 200 ma from $12-24 \mathrm{v} \cdot \mathrm{i} 300 \mathrm{ma}$ from 24.30 v . Full-wave silicen-dfode rectifier circuit with a-c input filter plus two power transistors in a cascaded filter circult. Fuse protects unit against overload. Rugged steel case, $4 W \times 5 H \times 51 / 2-0$. For $105-125$ v., 60 Hz AC. 38 P 26955 Model 1020 Kit. Shpg. wt., 4t/2 lbs....... Net 25.95 MOOEL 1020W-As above but factory wired. 38 P 26963 No Money Down*

Net 39.95


A solid 220 watts of power is avaltable at 115 volts rms AC, when this unit is connected to the 12 volt DC storage battery on your car, truck, boat, etc. With a "filip of the switch" the Model 1080 operates as a battery charger using the 117 volt AC supply avaliable at home or boat dock. Instali it permanently for use both as inverter and charger. Battery charger is rated 5 amps; automatically tapers current down to prevent overcharging. Size: 4 "x6" $55 \%{ }^{\prime \prime}$. Wt., 7 Ibs. 38 P 27755 Model 1080 Kit .................................. Net 44.95 38 P 27763 Model 1080 Wired (No Money Down"). Net 59.95

1. MODEL TOGOS XIT. SPECIALLY DESIGNED FOR SERVICING ALL TIPES OF TRANSISTOR EQUIPMENT. Selectlon of voltage range automatícally provides appropilate current range. Fused iransformer primary. Continuous voltage adjustment with Variac. 2 DC ranges and dual-range ammeter for accurate readings. Ranges: high $=0.16 \mathrm{~V}$. $1.5 \%$ ripple at $2 \mathrm{amps}: 2 \%$ at 6 amps: 6 amps , continuous, 12 amps intermittent: low $=0-8 \mathrm{sv}, 0.3 \%$ rlpple at $2 \mathrm{amps} .1 .5 \%$ at 10 amps. 10 amps continuous, 20 amps Intermittent. Heavy-duty sillicon rectifiers. For 105.125 volts $50 / 60 \mathrm{~Hz}$ A.C. All components and Instructions included. $81 / 4 \times 101 / 2 \times 71 / 4{ }^{\circ}$. Shpe. wt., $171 / 4 \mathrm{lbs}$. 38 P 27284 Kit

Net 54.95
Model 1060S. As above, but factory wired and tested.
38 P 27292
Net 74.95
7 MOOEL 1064S KIT. IOEAL FOR TRANSISTOR, TUBE "GYBRID" AUTO RADIO REPAIR. Features 2 DC voltage ranges, 6 or 12 V. DC. Separate voltmeter and dual range ammeter-up to 10 amperes continuous. Heavy duty silicon rectifiers. AC ripple: $0.3 \%$ @ 2 amperes. For $105-125$ volts, $50 / 60 \mathrm{~Hz}$; Size: $81 夕^{4} \mathrm{H} \times 53 / \mathrm{W}$ a $71 / 2{ }^{-1}$. Shpg. wt., 16 y the
38 P. 27300 Kit
Net 59.95
Model 1064S. As sbove, but factory whred and tested.
38 P 27318
${ }^{\text {- See Page } 23 \text { for Full Details on Easy Pay Plan }}$

# LAFAYETTE Panel Meters 

## MINIATURE FM \& AM TUNING METERS

## - Moving Coil Principle

- Highly Sensitive
- Only $3 / 4^{\prime \prime}$


As Low As Square and 1" Deep


Can be easily installed on any tuner. The remarkable sensitivity enables you to tune in stations with surprising ease. Galvano. meter movement of the Indicator assures complete accuracy. Insulation resistance between case and terminals: $\mathbf{1 0 0}$ megohms/ 500 V. Solder lugs are provided at the back. Plastic case. Complete with instruction sheets. Shpg. wt., 202.

## FM TUNING METER

FM TUNING METER. Can be connected between radio detector and AF amplifier. The Indicator will rest in the center when station is tuned in. Current sensitivity $\pm 100$ microamps on both sides OC. Internal resistance about 1200 ohms. Imported.
99 P 50262
Net 2.99

## AM TUNING METER

AM TUNING METER, Can be connected into the second IF stage of AM radio. Graduated scale with maximum deffection of pointer indicating station being tuned in. Sensitivity $500 \mu \mathrm{a}$. on full scale. Int. resistance about 410 ohms. Imported.
99 P 50254
.Net 2.19

## LAFAYETTE MINIATURE LEVEL METER

- Highly Sensitive - Front Panel Area Only 7/8W x 7 /4" H
- Rubber Cushion Mount
A miniature clear plastic front level meter which will indicate relative audio levels for tape recorders, fM sets or translstorized audio equipment. Actual size of meter is ${ }^{1 K_{1} D \times 1 W} \times 1 \mathrm{~L}$. Intermal resistance - 260 ohms. Full scale 500 microamps. Shpg. wt., 202. imported.

99 P 50361
..Net 2.15

## ULTRA-MINIATURE TUNING AND BATTERY METER



- Only Kor In Dia. $3 / 4^{\prime \prime}$ In Length
Ultra-miniature meter can be Installed easily in a zo" diameter hole. Current sensitivity: $500 \mu a ; \pm 15 \%$ at full scale. Internal resisiance: 500 ohms $\pm 10 \%$. Imported. Shps. we., 202.
99 P 50353
Net 2.15


## METER RECTIFIER

## ${ }^{\circ m \mathrm{~m}} 53$.



A full wave economical meter rectifier of exceptionally linear characteristics. Univer. sal electrical replacement for most multl. meters, such as Lafayette's miniature V.O.M.'s. Single screw mount. Long termlnals. Imported. Shpg. wt., 202.
99 P 62077
Net .53


High quality, precision bult meters with better than $2 \%$ full scale accuracy. All meters have 4 threaded mounting studs in corners, zero adjust screw and clear plastic fronts except (B) which has black bakelite. Terminal polarity on OC models is identified. VU meters have illuminated dials for easy, wide-angle readablity at all times. Volume level indicator calibrated in standard -20 to +3 VU and $0-100 \%$ ranges. Reference level 1 mw . in 600 ohm line. 3,900 ohms internal resistance. Ammeters are highly damped. use linear catibration. oimensions:
 cluding terminals. Miniature meters. Fig. (C), with sitvered dials, black pointers -1 Y."
 Panel mig-hole requirements: Fig. (A), $2 \%_{1}{ }^{*}$; Fig. (B), $21 / 4^{\prime \prime}$; Fig. (C), $11 / 2^{\omega \prime}$. Supplied with mounting screws. Imported. Average shpg. wt., $3 / \mathrm{lb}$.

| STOCK NO. | FIC. | RANCE | EACN | STOCK NO. | FIC. | RANGE | EACH |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 99 P 50437 | A V.U. | Meter | 5.59 | 99 P 50544 | C 0.50 | DC Milliamp. | 2.89 |
| 99 P 50247 | C V.U. | Meter | 4.29 | 99 P 50551 | C 0.100 | DC Milliamp. | 2.95 |
| 99 P 50429 | B 0-50 | DC Microamp. | 5.25 | 99 P 50494 | C 0.50 | DC Microamp. | 4.75 |
| 99 P 50403 | B 0.1 | DC Miltiamp. | 4.69 | 99 P 50478 | C 0.15 | DC Volt | 3.59 |
| 99 P 50528 | C 0.1 | DC Milliamp. | 4.25 | 99 P 50502 | C 0.150 | AC-Volt | 3.39 |

## LafayEtte edge-wise panel meters


(A)


VU METER (A)
Has precision D'Arsonval meter with $2 \%$ or better full scale accuracy. Calibrated and damped. Upper scale reads -20 to +3 VU . Lower scale reads $0.100 \%$ modutation. Accurate to $\div 0.5 \mathrm{~V}$ U from $30 \cdot 15000 \mathrm{~Hz}$. Size: $31,4 \mathrm{Wxi} \mathrm{H}$. Overal depth is $31 / 2^{\prime \prime}$ behind panel including terimals. Has stud-type solder terminals and zero adjustment screw. Shpg. wt., 9 02. Imported.
99 P 50338
Net 5.95
BALANCE \& TUNING METER (B)
Use these precison moving coil DC Ammeter meter movements as stereo balance indicators or as tuning indicators for FM tuners. Pointer at center of the scale indicates zero or null position. Current Sensitivity: $\pm 100 \mu$ a on both sides. Complete with installation schematics. Clear plastic case. Meter body: $13_{1} \mathrm{~L}$ x $1 / 2 \mathrm{~W}$ a $3 \mathrm{E}^{\prime \prime} \mathrm{D}$. Depth behind panel-1". Imported.
Shpg. wt., 3 oz.
99 P 50346
Net 3.29

## SPECIALTY METERS BY JBT



## ac frequency meter

 Model $34 . F \mathrm{FX}, 56.64 \mathrm{~Hz}$.Vibrating reed meters for measuring frequency of $A C$ power sources in 1 -cycle steps! $\pm 0.3 \%$ at $77{ }^{\circ} \mathrm{F}$. Flange $342^{\prime \prime}$, mounts in $2^{\prime \prime \prime}$ "" hole, overall depth 340". For 100.130 volts. Shpg. $w t ., 1 \mathrm{lb}$.
Model $34 . F \mathrm{FX} .56 .64 \mathrm{~Hz}$.
38 P 67025
Net 31.60


ELAPSED TIME METER Model 31-EXW-5
Records operating time of AC equipment. Reg'sters in 1/10th hour steps to $9,999.9$ hours, then automatically resets. Flange 31/2". mounts in 2 'K" hole, overall depth $31 / 0^{\prime \prime}$. For $110-120 \mathrm{~V}$. 60 Hz, AC. Shpg. wt., 1 lb .

MINIATURE LAFAYETTE VU METERS


1\%。" Square

- Jewelled Bearings
- Precision D'Arsonval Movement

Precison VU meters with scale calibrated from -20 to +3 VU and $0.100 \%$ Ranges. Impedance: 7.5 K ohms. Accuracy: $\pm 0.5 \mathrm{db}$. Frequency Response: 25 to 10KC. With external zero adjust. Mount in $11 / 2^{\prime \prime} \mathrm{D}$ hole. Wt. 5 oz . 99 P 50577.

Net 2.99

# IIItriplett Panel Meters 

## METER SPECIFICATIONS

aCCURACY: Standard $\pm 2 \%$ on $A C$ and DC D.C. INSTRUMENTS are the O'Arsonval type with linear scales, extra-light moving coil; rugged construction; Bar-fing Magnet and 1 piece die-cast frames. A.C. Instruments are the moving fron vane type, and have light parts. Jewel types have selected bearings, highty polished and specially treated pivots: white enameled metal dials are standard; molded zero adjusters, and ceramic pointer stops. Average stipg. wl., $11 / 4 \mathrm{ib}$.

AC AMMETERS

| Range | Model | Stech No. | Each |
| :---: | :---: | :---: | :---: |
| $0-1$ | 2375 | 38 P 76604 | 17.60 |
| 0-2 | 3375 | 38 P 76679 | 18.80 |
| 0-3 | 430 | 38 P 76737 | 19.90 |
| 0.5 | 2375 | 38 P 76752 | 17.60 |
| 0-10 | 430 | 38 P 76836 | 19.90 |
| 0-15 | 3375 | 38 P 76877 | 18.80 |
| 0.15 | 430 | 38 P 76885 | 19.90 |
| 0-25 | 2315 | 38 P 76893 | 17.60 |
| 0-25 | 430 | 38 P 76935 | 19.90 |
| 0-25 | 430G | 38 P 77958 | 19.90 |
| 0.30 | 2315 | 38 P 76943 | 17.60 |
| 0.50 | 430G | 38 P 77965 | 19.90 |
| 0-50 | 430 | 38 P 77040 | 19.90 |
| AC VOLTMETERS |  |  |  |
| Mange | Model | Stock No. | Each |
| $0-150$ | 2315 | 38 P 77487 | 18.80 |
| 0-150 | 2375 | 38 P 77495 | 18.80 |
| 0-150 | 3375 | 38 P 77511 | 19.90 |
| 0-150 | 430 | 38 P 77529 | 21.00 |
| -. 150 | 430G | 38 P 77933 | 21.00 |
| 0-250 | 430 | 38 P 77578 | 21.00 |
| 0-300 | 430G | 38 P 77941 | 21.00 |

3206
4206
4206
4306


420
430


2211
2211
3211
2315
3315
indicates suspension type movement
tindicates pivot and jewel type
OC MICROAMMETERS

| Range | Model | Stoch No. |  |
| :---: | :---: | :---: | :---: |
| $0-504$ | 2215 | 38 P 73312 | 23 |
| 0-100t | 227 T | 38 P 73379 | 22. |
| $0-100 \uparrow$ | 420 | 38 P 73403 | 24 |
| $0.200 \dagger$ | 420G | 38 P 77826 | 22. |
| 0-500t | 2275 | 38 P 73478 | 19. |
| 0-500t | 320G | 36 P 77768 | 20.4 |
| 0.5001 | 420G | 38 P 77834 | 21 |
| 50-0-50* | 2217 | 38 P 73510 | 23.7 |
| 100-0-100* | 2215 | 38 P 73569 | 22. |
| 100-0.100* | 2275 | 38 P 73577 |  |
| 100.0-100* | 320G | 38 P 77784 |  |
| 100-0-100* | 420 G | 38 P 7785 |  |

OC VOLTMETERS
1000 ohms Per Volt

|  | Model | Stoct No. | Each |
| :---: | :---: | :---: | :---: |
| 0-3 | 2215 | 38 P 75135 | 19.90 |
| 0-15 | 327 | 38 P 75317 | 21.00 |
| $0-15$ | 420 | 38 P 75325 | 22.10 |
| $0-25$ | 2215 | 38 P 75333 | 19.90 |
| 0.25 | 3215 | 38 P 75358 | 21.00 |
| 0.50 | 420G | 38 P 78253 | 22.10 |
| 0.150 | 321 T | 38 P 75507 | 21.00 |

METER OIMENSIONS
Round Flush Mounting


| Qange | Model | Stock No | Each |
| :---: | :---: | :---: | :---: |
| 0.1 | 2275 | 38 P 73676 | 18.20 |
| 0.1 | 320G | 38 P 77974 | 19.30 |
| $0 \cdot 1$ | 420 | 38 P 73700 | 20.40 |
| $0-1$ | 420G | 38 P 78097 | 20.40 |
| $0-5$ | 3215 | 38 P 73833 | 19.30 |
| 0.25 | $221 T$ | 38 P 73965 | 18.20 |
| 0.25 | 321 T | 38 P 73981 | 19.30 |
| 0.100 | 320G | 38 P 78030 | 19.30 |
| $0-500$ | 320 G | 38 P 78063 | 19.30 |
| $0-500$ | 420 | 38 P 74468 | 20.40 |
| 0.500 | 420G | 38 P 78188 | 20.40 |
| 0.1000 | 320 G | 38 P 78089 | 19.30 |


| Rance | Model | Stock No. | Each |
| :---: | :---: | :---: | :---: |
| 0.50 | 227 T | 38 P 76059 | 18.80 |
| 0-100 | 420 | 38 P 76133 | 21.00 |
| 0-150 | 420 | 38 P 76182 | 21.00 |
| DC AMMETERS |  |  |  |
| Rang* | Model | Stock Mo. | Each |
| 0-10 | 420 | 38 P 74765 | 21.00 |
| 0.50 | 420G | 38 P 77917 | 21.00 |

## SHURITE PANEL METERS <br> glass front Type 950 <br> clear plastic Type a50 <br>  <br> Economy model panel meters with fast response. excellent torque to-weight ratio, long scales, and accuracy well within standard $\mathbf{5 \%}$. All have rero adjust. AC are double-vane repulsion tyoe with leweled bearings, OC are polarized-vane solenoid type of moving magnet construction. Require a $2 \mathrm{~s}_{2}{ }^{-3}$ hole. "H" indicates hith re sistance. Model 850: Attractive plastlc meters with 2"\% Wr2K."H Crystal polystyrene front for exceptional visibllity and protection. Frosted finish interior. Model 950 : Sturdy metal case. plass front meters. Flange mounted. Average shpg.wt, 6 oz . <br> ALL SHURITE METERS FEATURE 1. $-5 \%$ accuracy 2. Zero Adjust

DC VOLTMETERS

| Range | Type 950 | Net Each | Type 850 | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 0.1 | 36 P 60640 | 3.55 |  |  |
| $0-3$ | 38 P 60657 | 3.55 | 38 P 61499 | 65 |
| 3-0-3 | 38 P 60665 | 3.55 |  |  |
| 0-5 | 38 P 60673 | 3.55 | 38 P 61507 | 3.65 |
| 0-10 | 38 P 60707 | 3.55 | 38 P 61523 | 3.65 |
| 15 | 38 P 60715 | 3.55 | 38 P 61531 | 3.65 |
| 20 | 38 P 60723 | 3.55 | 38 P 61549 | 3.65 |
| 0.25 | 38 P 60731 | 3.75 | 38 P 61556 | 3.65 |
| 0-25H | 38 P 60285 | 4.00 | 38 P 61564 | 4.10 |
| 0-50 | 38 P 60293 | 3.65 | 38 P 61572 | 3.75 |
| 0-100 | 38 P 60327 | 3.75 |  |  |
| 0-150 | 36 P 60343 | 3.95 | 38 P 61598 | 4.05 |
| $0-150 \mathrm{H}$ | 38 P 60350 | 4.25 | 38 P 61606 | 4.35 |
| 0.300 H | 38 P 60368 | 4.50 | 38 P61614 | 4.55 |
| 0.500 H | 38 P 60376 | 4.60 | 38 P 61622 | 4.75 |

## A.C. MILLIAMMETERS TYPE B50

Range Stock No. Net Range Stock No. Net 0.1038 Ṕ 591705.20 0-100 38 P 592045.20 0.5038 P $59196 \quad 5.20$ 0-500 38 P 592205.20

EMICO PANEL METERS
All models prectalior ated and accurate within $5 \%$ Styied to enhance ap pearance of electrical equipment. Meier movements: $D C$ meters "HI-TORK" magnetic and AC melers-moving iron type. Model 13, F/axllhan21/ " all plastic design. Screw termina!s with soldering lugs. Supplied with all mounting hard ware. Avr shpr. wi.. 4 oz.


Make Lafayefte" Vour One Dependable Source for Everyfhing in Elecfronics

| Stock Mo. | Ranfe | Mel | Stock No. | Rance | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 38 P 31773 | 0-10 | 3.30 | 38 P 32037 | 0.3 | 3.30 |
| 38 P 31781 | 0.15 | 3.30 | 38 P 32045 | 0.10 | 3.30 |
| 38 P 31799 38 P 31807 | 0.30 | 3.30 3.30 | 38 P 32052 | 0.10 | 3.30 |
| AC VOL | TMETER | 3.30 | $38 . \mathrm{P} 32060$ | 0.20 | 3.30 |
| 38 P 31542 | 0.150 | 5.05 | 38 P 12078 | 0-30 | 3.30 |
| 38 P 31559 | 0.300 | 5.35 | 38 P 32086 | 0-50 | 3.30 |
| AC MILL | AMMET | RS | AC AMMETER |  |  |
| 38 P 32227 | 0.500 | 4.50 | 38 P 32185 | 0.5 | 4.50 |

## DC VOLTMETERS

DC MILLIAMMETERS

| Stock No. | Range | Het |
| :---: | :---: | :---: |
| 38 P 31377 | 0-1 | 4.40 |
| 38 P 31385 | 0.5 | 3.55 |
| 38 P 31393 | 0-10 | 3.40 |
| 38 P 31401 | 0.20 | 3.30 |
| 38 P 31419 | 0.30 | 3.30 |
| 38 P 31427 | 0-50 | 3.30 |
| 38 P 31435 | 0.100 | 3.30 |
| 38 P 31443 | a-150 | 3.30 |
| $38 \mathrm{P} \mathbf{3 1 4 5 0}$ | 0.200 | 3.30 |
| 38 P 31468 | 0.300 | 3.30 |
| 38 P 31476 | 0.500 | 3.30 |
| C Cat. No. | 730 | 411 |

D.C. MILLIAMMETERS

| Range | Type 950 | Net Each | Trpe 850 | $\begin{aligned} & \text { Net } \\ & \text { Each } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 0.1 |  |  | 38 ¢ 50087 | . 85 |
| 0.3 | 38 P 6082 | 4.00 | 38 P 6009 | 4.10 |
| 0-5 | J8 P 60848 | . 70 | 38 P 6011 | 3.80 |
| 10 | 38 P 60855 | 3.5 | 38 P 60129 | 3.65 |
| 50 | 38 P 60889 | 3.55 | 38 P 60152 | 3.65 |
| 0.100 | 38 P 60897 | 3.55 | 38 P 60160 | 3.65 |
| 0.150 | 38 P 60905 | 3.55 | 38 P S0178 | 3.65 |
| 0.200 | 36 P 60913 | 3.55 | 38 P 60186 | 3.65 |
| 0.300 | 38 P 60921 | 3.55 | 38 P 60194 | 3.65 |
| 0.500 | 38 P 60947 | 3.55 | 38 P 60210 | 3.65 |

## A.C. METERS TYPE 850

## A.C. VOLTMETERS AC. AMMETERS

## Ranre Stock No. Het Range Stock No. Net

 $0-10 \quad 38$ P $59303 \quad 5.10 \mid 0-1 \quad 38$ P 592385.00 a-25 38 P $593295.10 \mid 0.5 \quad 38$ P 592535.00 0.5038 P 59337 S .10 0-10 38 P 592615.00 0.15038 P $593455.30 \mid 0.1538$ P 592795.00
 $\begin{array}{lllll} & 38 \\ 0.50 & 38 & P & 5295 & 5.35\end{array}$
D.C. AMMETERS

| Range | Type 950 | Net <br> Each | Type 850 | Net Each |
| :---: | :---: | :---: | :---: | :---: |
| 0.1 | 38 P 60954 | 3.55 | 38 P 60228 | 3.65 |
| 0-3 | 38 P 60962 | 3.55 | 36 P 60236 | 365 |
| 0.5 | 38 P 60517 | 3.55 | 38 P 60244 | 3.65 |
| 0.8 | 38 P 60525 | 3.55 |  |  |
| 0.10 | 38 P 60533 | 3.55 | 38 P 60251 | 3.65 |
| 0-15 | 38 P 60541 | 3.55 | 38 P 60269 | 3.65 |
| 0.25 | $38 \mathrm{P} \mathbf{6 0 5 5 8}$ | 3.95 | 30 P 60277 | 4.05 |
| 0.50 | 38 P 60566 | 3.95 | 38 P 61440 | 4.05 |
| 5-0.5 | 38 P 60582 | 3.65 |  |  |
| 6.0-6 | 38 P 60590 | 3.65 |  |  |
| 10.0-10 | 38 P 60608 | 3.95 | 38 P 61457 | 4.05 |
| 20-0-20 | 38 P 60616 | 3.95 | 38 P 61465 | 4.05 |
| 30.0-30 | 38 P 60624 | 2.95 | 38 P 61473 | 4.05 |
| 50.0-50 | 38 P 60632 | 4.15 | 38 P 61481 | 4.25 |

## RESISTANCE METERS

| 10,000 |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| ohms | 38 | P 60392 | 3.95 | 38 | P 61630 | 4.05 |

$\frac{\text { D.C. MICROAMMETERS }}{38 \mathrm{P} 61671} 5 \frac{5}{20} 38 \mathrm{P} 6168$

| 0.500 | 38 P 61671 | 5.20 | 38 P 61689 | 5.30 |
| :--- | :--- | :--- | :--- | :--- | :--- |$\begin{array}{lllll}20.0-10 & 38 & P & 6608 & 3.95 \\ 38 & \text { P } 61457 & 4.05\end{array}$$\begin{array}{llllllll}30.0-30 & 38 & 60616 & 3.95 & 38 & P & 61465 & 4.05\end{array}$ | $30-0.30$ | 38 | P 60624 | 3.95 | 38 P 61473 | 4.05 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $50-0-50$ | 38 | P 60632 | 4.15 | 38 | P 61481 |

 Net

## INFORMATION ABOUT PRICE STABILIZATION

The Price Stabilization Program is the set of regulations which controls prices. Under this program, retailer's markups are frozen to that of the base price period. When the cost of acquiring goods increases, the retailer is permitted to raise prices by an amount equal to the increase in cost plus the customary initial percentage markup in effect during the base price period. Following is the price list of best selling items
in each department which was in effect during the Base Period. An * after price indicates this item is not shown in this catalog. If you want base price information on an item not on our list please write to Lafayette Radio Electronics, P.O. Box 450, Syosset, N.Y. 11791, Attention: Base Price Information.

BASE PRICE LIST

| STOCK | PRICE | STOCK \# | PRICE | STOCK | PRICE | STOCK | PRICE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10-10396 | 18.75* | 12-10012 | 24.95 | 14-43043 | 29.9 | 17-02299 | 119.95* |
| 10-10669 | 14.85 | 12-15508 | 8.50 | 14.43050 | 34.95* | 17-31546 | 59.95* |
| 10-11006 | 4.45 | 12-25507 | 3.95* | 14-43142 | 12.95 | 17-31868 | 299.95* |
| 10-11386 | 12.75 | 12-28519 | 3.95 | 14.48042 | 59.95* | 17-41008 | 29.95* |
| 10-11972 | 4.95 | 12-28527 | 3.95 | 14-48059 | 29.95 | 17-53110 | 39.95* |
| 10-11980 | 8.95 | 12-56510 | 64.95 | 14-60013 | 12.95* | 17-53169 | 69.95* |
| 10-12012 | 6.95 | 12-69521 | 22.95 | 14-63504 | 3.95* | 17-58002 | 59.95* |
| 10-12038 | 3.95 | 12-69570 | 39.95 |  |  | 17-63010 | 7.95 |
| 10-12582 | 5.95 | 12-78506 | 13.95* | $14-67539$ $14-82025$ | 39.95 1.75 * | 17-69421 | 59.95* |
| 10-14000 | 3.95 | 12-87C10 | 21.95 | 15-16160 | 17.95 | 17-74496 | 74.95 |
| 10-21286 | 6.95 | 12-87069 | 99.95 * | 15-30203 | 179.95* | 17-74595 | 119.95 \# |
| 10-22151 | 3.50 | 13-01407 | 7.95 | 15-34163 | 35.95* | 18-01802 | 34.95 |
| 10-22524 | 4.50 | 13-01548 | 109.95 | 15-34551 | 224.95 | 18-01828 | 21.95 |
| 10-23050 | 6.50 | 13-01563 | 149.95* | $15-36390$ | 26.95 | 18-01836 | 15.95 |
| 10-23068 | 5.75* | 13-01597 | 149.95* | 15-36473 | 59.95 | 18-01844 | 11.95 |
| 10-23159 | 4.25 | 13-01639 | 22.95 | 15-36754 | 109.95 | 18-01893 | 31.95 |
| 10-23613 | 4.95 | 13-01647 | 199.95 | 15-36762 | 89.95 | 18-02149 | 21.95 |
| 10-23902 | 3.50 | 13-01654 | 199.95* | 15 | 19.95* | 18-02172 | 44.95 |
| 10-24017 | 13.50 | 13-01662 | 79.95 |  | 199.95* | 18-02180 | 29.95 |
| 10-24165 | 2.25* | 13-20548 | 19.95 | $15-37455$ | $199.95 \text { \# }$ | 18-02198 | 95 |
| 10-24215 | 4.50 | 13-24532 | 59.95 |  | 74.95 $174.95 *$ | 206 | 9.95* |
| 10-24512 | 6.95 | 13-24557 | 129.95 | 15-40160 | 174.95* | 18-14011 | 5.97 |
| 10-24546 | 6.95 | 13-24599 | 49.95 |  |  | 18-14037 | 28.78 |
| 10-28018 | 9.95 | 13-24615 | 49.95 | 15-44014 |  | 18-60782 | 69.97 |
| 10-36078 | 2.00 | 13-24656 | 39.95 | 15-44014 |  | 19-09050 | 22.95* |
| 10-36201 | 2.00 | 13-31180 | $11.95 *$ |  |  | 19-09142 | 17.95* |
| 10-36235 | 3.00 | 13-31354 | 5.99* |  |  | 19-09159 | 22.95 |
| 10-41011 | 3.95 | 13-39159 | 8.95 | $15-460$ $15-500$ | 9.75 6.5 | 19-09167 | 22.95 |
| 10-47C18 | 2.00 | 13-48C02 | 39.95 | 15-52132 | 6.50 | 19-18C44 | 24.95 |
| 10-47042 | 2.50 | 13-66129 | 24.95* | 15-52132 | 9.95 | 19-30023 | 10.95 |
| 10-47109 | 1.95 | 13-66301 | 29.95 |  |  | 19-30031 | 14.95 |
| 10-50095 | 8.95 | 13-66400 | 79.95 | 15-55002 | 89.95 \% | 19-38034 | 18.95* |
| 10-51598 | 4.00 | 13-66509 | 169.95 | 15-58C06 | 23.95* | 19-40071 | 17.95* |
| 10-57041 | 4.50 | 13-66525 | 27.95 | 15-63055 | 119.95 | 19-55285 | 5.00 |
| 10-57116 | 2.25 | 13-71293 | 29.95 | 15-64C20 | 7.95 | 19-66019 | 9.95 |
| 10-75159 | 8.95 | 13-75526 | 24.95 | 15-64C39 | 21.95 | 19-66175 | 29.95* |
| 10-89010 | 4.50 | 14-10141 | 149.50 | 15-64C95 | 13.95* | 19-66183 | 14.95 |
| 10-89036 | 2.50 | 14-12055 | 4.50 | 15-65134 | 154.95* | 19-69005 | 9.95 |
| 10-89085 | 1.00 | 14-14515 | 13.95 | 15-74C11 | 16.95 | 19-70011 | 5.95 |
| 10-89119 | 2.50 | 14-15017 | 1.39* | 15-76065 | 109.95* | 19-70151 | 5.95 |
| 11-01013 | 28.95 | 14-16502 | 1.49 | 15-84C93 | 26.95 | 19-7016 | 12.95 |
| 11-01054 | 16.95 | 14-18011 | 8.50 | 17-01135 | 39.95* | 19-70177 | 9.95 |
| 11-01062 | 29.95 | 14-21031 | 5.95 | 17-01143 | 39.95* | 19-70185 | 24.95 |
| 11-24502 | 49.95 | 14-21072 | 9.95* | 17-01788 | 22.95* | 20-01105 | 24.95* |
| 11-35508 | 39.95 | 14-21106 | 15.95 | 17-01796 | 34.95* | 20-01147 | 64.95* |
| 11-42C17 | 31.95 | 14-21130 | 3.95* | 17-01804 | 34.95* | 20-01493 | 44.95 |
| 11-62015 | 27.88 | 14-29505 | 34.95 | 17-01853 | 16.95* | 20-01501 | 32.95 |
| 11-84506 | 39.95 | 14-39058 | . 69 | 17-01879 | 27.95* | 20-23026 | 27.95* |
| 11-89505 | 39.95 | 14-41609 | 22.95 | 17-01887 | 34.95* | 21-01731 | 44.95* |
| 11-89562 | 109.95 | 14-42508 | 17.95 | 17-01895 | 29.95* | 21-23545 | 79.95 |
| 12-01011 | 5.95 | 14-42532 | 26.95 | 17-01929 | 22.95* | 21-37925 | 39.50* |

BASE PRICE LIST (continued)

| STOCK | PRICE | STOCK | PRICE | SIOCK \# | PRICE | STOCK \# | PRICE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21-40226 | 5.50 | 30-20062 | 4.00 | 32-48887 | 3.90 | 34-33026 | 7 |
| 21-40267 | 5.50 | 30-20c88 | 6.14 | 32-48895 | 6.64 | 34-35013 | 6.95* |
| 21-40440 | 139.50 | 30-20104 | 3.95 | 32-49067 | 5.42 | 34-36037 | 3.50 |
| 21-40465 | 99.50 | 30-20112 | 3.95 | 32-49174 | 5.16 | 34-37035 | . 19 |
| 21-40481 | 59.50 | 30-20120 | 3.95 | 32-49364 | 11.95 | 34-37043 | 22 |
| 21-40499 | 44.50 | 30-20138 | 3.95 | 32-49372 | 16.75 | 34-38058 | 2.39 |
| 21-47304 | 39.95* | 30-20146 | 4.90 | 32-49380 | 22.50 | 34-41011 | 10.50 |
| 21-47320 | 99.95\% | 30-20260 | 3.60 * | 32-49406 | 27.00 | 34-44015 | 1.89 |
| 21-53740 | 39.95* | 30-20286 | 4.31 \% | 32-49448 | 11.95* | 34-46275 | 2.65 |
| 21-53773 | 29.95* | 30-20294 | 6.33* | 32-49489 | 29.95 | 34-50137 | . 33 |
| 21-53880 | 24.95 | 30-40136 | 1.20 | 32-52012 | . 49 | 34-50145 | . 40 |
| 21-53906 | 49.95* | 30-40144 | 1.20 | 32-67010 | 16.95* | 34-51143 | . 62 |
| 24-03160 | 69.95* | 30-40169 | 1.20 | 32-87018 | 8.25 | 34-52C34 | . 67 |
| 24-03236 | 49.95 | 30-40177 | 1.20 | 32-89105 | 3.40 | 34-52083 | . 69 |
| 24-03244 | 89.95* | 30-40185 | 1.24 | 32-99047 | 2.98 | 34-52109 | . 69 |
| 24-03251 | 149.95 | 30-40201 | 1.24 | 33-13988 | 3.54 | 34-52190 | . 74 |
| 24-03269 | 229.95* | 30-40 235 | 1.93 | 33-29059 | 1.70 | 34-52216 | 1.49 |
| 27-02504 | 59.95* | 30-40458 | 3.00 | 33-29075 | 1.62 | 34-56258 | 2.37 |
| 27-12263 | 149.95* | 30-40466 | 3.00 | 33-31.C22 | . 95 | 34-56274 | 2.34 |
| 27-12271 | 99.95* | 30-40490 | 3.78 | 33-311030 | 4.59 | 34-58114 | 10.17 |
| 27-15001 | 299.50* | 30-40581 | 2.77 | 33-37C29 | 1.39 | 34-53122 | 9.10 |
| 27-45c24 | 199.95* | 30-41142 | 1.03 | 33-40015 | 13.40* | 34-58148 | 2.40 |
| 27-48382 | 34.95* | 30-41167 | 1.24 | 33-64015 | 1.59 | 34-60037 | . 75 |
| 27-55205 | 169.95* | 30-41258 | 1.41 | 33-66010 | 14.95 | 34-60318 | . 57 |
| 27-60544 | 147.95 | 30-41514 | 1.39 | 33-66028 | 6.12 | 34-60334 | . 54 |
| 27-60551 | 179.50* | 30-41746 | 2.84 | 33-66C51 | 26.95 | 34-60367 | . 75 |
| 27-60569 | 139.95* | 30-41787 | 2.84 | 33-66077 | 16.75 | 34-60466 | . 78 |
| 27-67101 | 330.00 * | 30-41837 | 5.54 | 33-71 C28 | 1.30 | 34-60474 | . 99 |
| 27-72135 | 199.95* | 30-43496 | 1.81 | 33-75011 | 4.59 | 34-63023 | . 25 |
| 27-72143 | 89.95 | 30-43536 | 1.81 | 33-75029 | 2.49 | 34-82056 | . 24 |
| 28-01066 | 2.14 | 30-53725 | . 75 | 33-81191 | 4.84 | 34-82643 | . 24 |
| 28-011974 | 3.10 | 30-81486 | 5.50 | 33-85051 | 2.98 | 34-82700 | 33 |
| 28-01082 | 3.49 | 32-14970 | 12.15 | 33-85069 | 2.98 | 34-83336 | 3.03 |
| 28-01207 | 1.49 | 32-15357 | 6.10 | 33-85135 | 2.98 | 34-87485 | 2.28 |
| 28-01215 | 2.19 | 32-15365 | 8.25 | 33-85143 | 2.98 | 34-88012 | 2.10 |
| 28-01223 | . 99 | 32-15373 | 10.40 | 33-85226 | 2.98 | 36-12686 | 4.24 |
| 28-01231 | 4.98 | 32-15787 | 4.68 | 33-85242 | 2.98 | 36-14187 | 1.81 |
| 28-01249 | 1.99 | 32-22023 | 5.69 | 33-85374 | 2.98 | 36-19616 | 3.05 |
| 28-01306 | 1.29 | 32-22c49 | 3.99 | 33-85424 | 2.98 | 36-19798 | 4.75 |
| 28-01314 | 1.99 | 32-22148 | 5.49 | 33-85481 | 2.98 | 36-30019 | 2.10 |
| 28-01322 | 2.99 | 32-22155 | 4.29 | 33-85531 | 2.98 | 36-30027 | 2.10 |
| 28-01330 | 1.69* | 32-31883 | 7.95 | 33-85549 | 2.98 | 36-30126 | 2.13 |
| 28-01348 | 1.95* | 32-36031 | 2.29 | 33-85572 | 2.98 | 36-30209 | 2.10 |
| 28-01355 | 2.25 | 32-36C49 | 4.19 | 33-85580 | 2.98 | 36-30316 | 1.73 |
| 28-01363 | 2.99 | 32-36312 | 4.72 | 33-85796 | 1.65 | 36-30449 | 1.85 |
| 28-02023 | 16.95 * | 32-36486 | . 98 | 33-88014 | 8.05 | 36-30506 | 1.63 |
| 28-19 001 | 1.19\# | 32-39068 | 3.83 $=$ | 33-88C22 | 9.63 | 36-30548 | 2.45 |
| 28-19019 | 1.59* | 32-40025 | 9.95* | 33-88С30 | 12.55 | 36-30688 | 3.93 |
| 28-33176 | 4.11 | 32-40058 | 14.95* | 33-88048 | 13.93 | 36-30761 | 2.13 |
| 28-33499 | 2.53 | 32-46683 | 3.00 | 33-88C55 | 17.23 | 36-30787 | 2.68 |
| 30-12002 | 3.85* | 32-46717 | 2.96* | 33-88063 | 21.71 | 36-30829 | 1.70 |
| 30-12028 | 4.95 | 32-46824 | 2.54 \% | 33-8АС89 | 31.87 | 36-30852 | 1.80 |
| 30-20013 | 3.10 | 32-46857 | 1.31 | 34-24017 | 4.75 | 36-30886 | 2.40* |
| 30-20021 | 3.95 | 32-47400 | 1.65 | 34-25006 | 7.50 | 36-31090 | 2.93 |
| 30-20039 | 3.95 | 32-47525 | . 92 | 34-31012 | . 89 | 36-31157 | 2.15 |
| 30-20047 | 3.54 | 32-48846 | . 65 | 34-31020 | . 99 | 36-31280 | 1.63 |
| 30-20054 | 4.00 | 32-48879 | . 52 | 34-31 C38 | . 99 | 36-31306 | 2.83 |

BASE PRICE LIST (continued)

| STOCK | PRICE | STOCK \# | PRICE | STOCK \# | PRICE | STOCK | PRICE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36-31314 | 1.68 | 42-01604 | 29.95 | 52-30651 | . 12 | 64-04677 | 3.00 |
| 36-31520 | 3.93 | 42-09102 | 9.65 | 52-30677 | . 12 | 64-04719 | 3.00 |
| 36-31595 | 3.33 | 42-09110 | 16.95 | 52-30735 | . 12 | 64-04859 | 3.00 |
| 36-31694 | 1.95 | 42-70c21 | 2.95 | 52-30750 | . 12 | 64-05013 | 3.00 |
| 36-31710 | 2.45 | 42-73C17 | 79.95 | 52-30776 | . 12 | 64-05500 | 3.00 |
| 36-31850 | 1.55 | 42-86C76 | 36.95 | 52-30818 | .12 | 64-05914 | 3.00 |
| 36-31876 | 1.35 | 42-86100 | 49.95 | 52-30834 | . 12 | 64-06433 | 3.00 |
| 36-31900 | 1.53 | 44-01378 | 49.95* | 52-30859 | . 12 | 64-06953 | 3.00 |
| 36-31934 | 1.59 | 44-01402 | 69.95 | 52-30875 | . 12 | 64-06987 | 3.00 |
| 36-31942 | 1.70 | 44-01451 | 75.95* | 52-30891 | . 12 | 64-07027 | 3.00 |
| 36-32213 | 3.48 | 44-01600 | 12.95 | 52-30933 | . 12 | 64-07043 | 3.00 |
| 36-32247 | 1.13 | 44-08019 | 199.95* | 52-30974 | . 12 | 64-07399 | 3.00 |
| 36-32270 | 1.75 | 44-10031 | 8.91 | 52-31014 | . 12 | 64-07431 | 3.00 |
| 36-32395 | 2.05 | 44-17010 | 34.95 | 52-31 655 | . 12 | 64-07464 | 3.00 |
| 36-32700 | 4.40 | 44-18018 | 9.95 | 52-31071 | . 12 | 64-07647 | 3.00 |
| 36-32759 | 3.33 | 44-25153 | 25.50 | 52-31107 | .12 | 64-07894 | 3.00 |
| 36-40521 | 93.30 | 44-25328 | 57.00 | 52-31139 | . 12 | 64-07936 | 3.00 |
| 36-54407 | 9.50 | 44-33058 | 11.95 | 52-31170 | . 12 | 64-08033 | 3.00 |
| 38-01016 | 42.95* | 44-33066 | 13.95 | 52-31212 | . 12 | 64-08165 | 3.00 |
| 38-01073 | 1.95 | 44-46019 | 109.95 | 52-31295 | . 12 | 64-08421 | 3.00 |
| 38-01123 | 29.95 | 44-70167 | 36.00 | 52-31378 | . 12 | 64-08876 | 3.00 |
| 38-01131 | 39.95 | 44-70183 | 30.00 | 52-31451 | . 12 | 64-09031 | 3.00 |
| 38-01149 | 54.95* | 44-70316 | 45.00 | 52-31535 | . 12 | 64-09080 | 3.00 |
| 38-01156 | 29.95* | 44-70340 | 39.95* | 52-40734 | . $1^{8}$ | 64-09098 | 3.00 |
| 38-01164 | 39.95* | 46-09004 | 2.25 | 52-80466 | . 24 | 64-09122 | 3.00 |
| 38-03004 | 24.95* | 46-10010 | 2.25 | 52-80730 | . 24 | 64-09288 | 3.00 |
| 38-13037 | 59.85 | 46-10028 | 2.25 | 52-80979 | . 24 | 64-09643 | 3.00 |
| 38-17301 | 399.95 | 46-10036 | 2.25 | 52-81217 | . 24 | 64-09650 | 3.00 |
| 38-17327 | 129.95 | 46-10044 | 2.25 | 53-10305 | . 48 | 64-09817 | 3.00 |
| 38-24018 | 14.95 | 46-10051 | 2.25 | 53-10321 | . 48 | 64-10005 | 3.00 |
| 38-26435 | 109.95 | 46-10077 | 2.25 | 53-10495 | . 48 | 64-10054 | 3.00 |
| 38-26443 | 169.95 | 46-10093 | 2.25 | 53-10560 | . 48 | 64-10963 | 3.00 |
| 38-26526 | 99.95 | 46-10101 | 2.25 | 53-10578 | . 48 | 64-10971 | 3.00 |
| 38-26534 | 149.95 | 46-10119 | 2.25 | 53-10669 | . 48 | 99-01950 | 319.95 |
| 38-27227 | 54.95 | 46-10127 | 2.25 | 53-10735 | . 48 | 99-01984 | 259.95 \% |
| 38-27433 | 249.95 | 46-10135 | 2.25 | 53-10800 | . 48 | 99-02081 | 239.95* |
| 38-40006 | 159.95 | 46-10143 | 2.25 | 53-10917 | . 48 | 99-02099 | 29.95 |
| 38-40С14 | 39.95* | 46-10150 | 2.25 | 53-10958 | . 48 | 99-02115 | 49.95 |
| 38-48595 | 65.00* | 46-15076 | 2.25 | 53-11014 | . 48 | 99-02131 | 29.95 |
| 40-01046 | 15.95 | 46-15092 | 2.25 | 53-11c30 | . 48 | 99-02149 | 89.95* |
| 40-01053 | 19.95 | 46-15118 | 2.25 | 63-01030 | 3.25 | 99-02156 | 199.95* |
| 40-01061 | 89.95* | 46-15126 | 2.25 | 63-0157t | 3.25 | 99-02172 | 229.95* |
| 40-01137 | 6.95 | 46-15134 | 2.25 | 63-01840 | 3.25 | 99-02214 | 149.95 |
| 40-01152 | 12.95 | 46-15142 | 2.25 | 63-02012 | 3.25 | 99-02248 | 99.95* |
| 40-01160 | 7.50 | 46-15159 | 2.25 | 63-02277 | 3.25 | 99-02255 | 19.95 |
| 40-01178 | 9.50 | 52-20736 | . 13 | 63-02376 | 3.25 | 99-02263 | 99.95 |
| 40-21002 | 11.95 | 52-20975 | .13 | 63-02764 | 3.25 | 99-02297 | 119.95 |
| 40-25656 | 275.00 | 52-21056 | .13 | 63-02822 | 3.25 | 99-02321 | 39.95 |
| 40-60240 | 169.00 | 52-30016 | . 12 | 63-02962 | 3.25 | 99-02339 | 69.95* |
| 40-60257 | 169.00 | 52-30255 | .12 | 63-03002 | 3.25 | 99-02362 | 119.95* |
| 40-65306 | 475.00 | 52-30412 | . 12 | 64-03109 | 3.00 | 99-02370 | 69.95 |
| 40-82103 | 5.95 | 52-30453 | . 12 | 64-03422 | 3.00 | 99-15844 | 119.95* |
| 42-01133 | 18.95 | 52-30495 | .12 | 64-03539 | 3.00 | 99-31486 | 189.95* |
| 42-01448 | 19.95 | 52-30537 | . 12 | 64-03927 | 3.00 | 99-32146 | 149.95 |
| 42-01554 | 8.95 | 52-30578 | . 12 | 64-03984 | 3.00 | 99-32369 | 149.95* |
| 42-01562 | 12.95 | 52-30594 | . 12 | 64-04297 | 3.00 | 99-32377 | 299.95* |
| 42-01596 | 10.95 | 52-30610 | .12 | 64-0.4388 | 3.00 | 99-35438 | 59.95 |

## You Can Depend on LAFAYETTE

When you buy from Lafayette, you buy with confidence. Lafayette's pledge to you, of "Satisfaction Guaranteed or Money Refunded," is your assurance that we mean what we say. For over 50 years we have kept this pledge to you . . . and shall continue to do so in the future.

## LAFAYETTE AAA GUARANTY

LAFAYETTE HIGH FIDELITY SPEAKERS $=5$ YEARS LAFAYETTE HIGH FIDELITY RECEIVERS $=2$ YEARS LAFAYETTE HIGH FIDELITY TUNERS $=2$ YEARS LAFAYETTE HIGH FIDELITYAMPLIFIERS $=2$ YEARS
All Lafayette high fidelity components identified as covered by Lafayette's AAA guaranty are guaranteed to be free of defects in material or workmanship from the date of sale for the time period shown above. During that period we will repair (or at our option replace) them without charge for either material or labor. Material must be returmed prepaid to us for our inspection. This guaranty does not apply to items which have been subjected to misuse, abuse, altera. tion, repair without our authorization or used in violation of operating instructions, nor to normal wear and tear. The speaker guaranty does not cover external parts such as cabinets, grille cloth elc. Serlal number must not be defaced. Guaranty is not transferrable.
Claims must be accompanied with original sales stip, shipping documents, or our invoice as proof of date of purchase.

## OTHER GUARANTEES

All merchandise not covered either by the special guarantees on this page or by other specific guarantees in the catalog are covered by a 90 day repair or replacement guarantee (at our option) against defects in material or workmanship.

## LAFAYETTE AAM GUARANTY

This guaranty covers Lafayette items so Indicated in our catalog which contain several integrated sections in a single unit such as compacts and integrated entertainment centers. The time period for each section is as follows:

## SPEAKERS 5 YRS. <br> RECEIVER OR TUNER SECTION 2 YRS. <br> AMPLIFIER SECTION <br> 2 YRS. <br> RECORDER SECTION 3 MOS. <br> CHANGER SECTION <br> 3 MOS.

The terms and conditions of this guaranty are otherwise identical to the AAA Guaranty.

## SATISFACTION GUARANTEED

If for any reason you are not satisfied with your purchase return it to us within 30 days in the original factory carton and we will exchange it or return your money (less transportation charges). Merchandise returned must be in good condition and not soldered or abused-no holes drilled or changes made in any other way. This policy does not apply to kits, nor to pre-recorded tape, records, books or merchandise not regularly stocked that has been ordered especially for you. Claims must be accompanied with original sales slip. shipping documents. or our invoice as proof of date of purchase.

Claims must be accompanied with original sales slip, shipping documents, or our invoice as proof of date of purchase.

## HOW TO RETURN MERCHANDISE

## (Merchandise Returned Must be in New Condition)

We want you to be completely satisfied with every item you purchased from us If there is an irregularity in your shipment and you find it necessary to return an item to us, follow these instructions:

## PARCEL POST SHIPMENTS

Place all order papers, invoices. correspondence and your instruc. tions in an envelope inside your package.
2) On the outside of your package, mark "First Class Mail Enclosed" (directly below the postage) and add an additional 8c postage. Do not send the letter separately; it will delay our speedy adjustment handling.
3) Pack the merchandise securely and send 10 :

Customer's Service Oept., LAFAYETTE RADIO ELECTRONICS, 111 Jericho Turnpike,
Syosset, L.I., N.Y. 11791
4) For your prolection, report dam. aged receipts to your postman and enclose his report with your

## BY EXPRESS OR TRUCK

If your shipment is received damaged. obtain a report from your express agent or trucker, and mail to us. Wait until you receive our instructions on how to relurn.
(NOTE-Merchandise not regularly stocked that has been ordered for you is NOT returnable for refund or exchange).
papers.


IF IT IS NECESSARY TO WRITE US: Before writing. please compare papers or invoices with merchandise recelved. You will find explanations on your order papers about how your order has been handled. Sometimes merchandise arrives before or after order papers. Please wait until you have both before writing. If you write. be sure to include all papers concerning the order. Please pive names of items, catalog numbers, quantity, color. price, and any special information you think necessary. The more details you give us, the more quickly your adjustment will be made. On Easy Payment orders, be sure to include your EP account number on package and correspondence.

## Fast Direct Air Shipping Service To West Coast

The following Area will now receive speedy air shipping service: LOS ANGELES. No more than 4 day door to door delivery via United Parcel Service to California, washington and Oregon.

Parcels utilizing this rapid service must weigh no more than 50 pounds and measure up to 108 inches in combined length and girth. This system applies if the service or rates are to your benefit.

## SHIPMENTS OUTSIDE OF THE UNITED STATES

## We ship all over the free world. Allow

 up to 60 days for delivery. Write to our Internationat Sales Division for de. tails.
## SHIPPING AND DELIVERY INFORMATION

## HOW TO ESTIMATE PARCEL POST CHARGES

## PARCEL POST SHIPMENT

Parcel Post Rate Chart titems Keyed "WUX" or "wX" are not shippable Parcel Post fExample $=18.0182 \mathrm{WX}$ ). Figure Parcel Post Charges only for Items not keyed WX or WUX. (See REA Express information.)
Less than $\mathbf{1 6} \mathbf{0 z}$., all zones allow oc for first 202. $4 c$ for each additional oz. Find the weight of your merchandise in the extreme left-hand column of the chart at right. Pay the amount listed for Parcel Post shipment to your zone. A fraction of a pound is charged as a full ib. For example, if the weight is 6 lbs. and 102 . to Zone 3, postage would be for 7 Ibs. (1.10). Over 40 lbs. shpd. truck or exp. See below

## AIR PARCEL POST SHIPMENTS

We will ship your order via Air Parcel Post upon your request. Rates are given in the table, be low. Size and weight limits: 70 lbs. and 100 in . (lengith plus girth).

|  | ZOMES 1.28 | 4 | 5 | 6 | 7 | 8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1st LB. | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| for Each Extra LD | $\begin{aligned} & \text { Add } \\ & \hline \text { R } \end{aligned}$ | Add | Add | Add | Add | Add |

DOERS MINIMUM OROER CHARGE
OROERS UNDER $\$ 5.00$

| PARCEL POST | $\$ 5.00$ to 15.00 | 20 c |
| :--- | ---: | ---: | ---: |
| HANDLING | 15.01 to 50.00 | 30 c |
| CHARGE | 50.0110100 .00 | 40 c |
|  | 100.01 to 150.00 | 50 c |
|  | 151.01 to 200.00 | 60 c |


| WEIGHT <br> 1 Lb, 1 Not <br> Esceeding | Lusal | $13 \% 2 n d$ Zone up to 150 mi . | 3rd lone 150 \% 300 mi, | 4th Ione 300 to 600 mi . | $\begin{gathered} \text { 5th Zone } \\ 600 \mathrm{to} \\ 1000 \mathrm{mi} . \end{gathered}$ | $\begin{aligned} & \text { 6th Zone } \\ & 1000 \text { to } \\ & 1400 \mathrm{mi} . \end{aligned}$ | $\begin{aligned} & \text { 7in lone } \\ & 1400 \mathrm{so} \\ & 1800 \mathrm{mi} . \end{aligned}$ | 8th lone Over 1800 mi |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | $\$ 0.60$ | \$0.65 | \$0.70 | \$0.75 | \$0.80 | \$0.90 | \$1.00 | \$1.05 |
| 3 | . 60 | . 75 | 80 | . 85 | . 95 | 1.10 | 1.20 | 1.35 |
| 4 | . 65 | . 80 | . 85 | . 95 | 1.10 | 1.30 | 1.40 | 1.60 |
| 5 | . 70 | . 85 | . 90 | 1.05 | 1.20 | 1.45 | 1.65 | 1.90 |
| 6 | 70 | . 95 | 1.00 | 1.15 | 1.35 | 1.60 | 1.85 | 2.10 |
| 7 | . 75 | 1.05 | 1.10 | 1.25 | 1.50 | 1.75 | 2.10 | 2.35 |
| 8 | . 75 | 1.10 | 1.15 | 1.35 | 1.60 | 1.90 | 2.30 | 2.60 |
| 9 | . 80 | 1.15 | 1.20 | 1.45 | 1.75 | 2.05 | 2.45 | 2.85 |
| 10 | . 80 | 1.20 | 1.30 | 1.55 | 1.90 | 2.20 | 2.65 | 3.10 |
| 11 | . 80 | 1.25 | 1.35 | 1.60 | 2.00 | 2.30 | 2.85 | 3.35 |
| 12 | . 85 | 1.30 | 1.45 | 1.70 | 2.10 | 2.45 | 3.05 | 3.55 |
| 13 | . 85 | 1.35 | 1.55 | 1.80 | 2.20 | 2.60 | 3.25 | 3.80 |
| 14 | . 90 | 1.40 | 1.60 | 1.90 | 2.35 | 2.75 | 3.45 | 4.00 |
| 15 | . 90 | 1.45 | 1.65 | 2.00 | 2.45 | 2.85 | 3.60 | 4.20 |
| 16 | . 95 | 1.55 | 1.75 | 2.05 | 2.55 | 2.95 | 3.80 | 4.40 |
| 17 | 1.00 | 1.60 | 1.80 | 2.15 | 2.65 | 3.10 | 3.95 | 4.60 |
| 18 | 1.00 | 1.65 | 1.90 | 2.20 | 2.75 | 3.20 | 4.15 | 4.80 |
| 19 | 1.05 | 1.70 | 2.00 | 2.30 | 2.85 | 3.35 | 4.30 | 5.00 |
| 20 | 1.05 | 1.75 | 2.05 | 2.40 | 2.95 | 3.50 | 4.50 | 5.20 |
| For Each | Add | Add | Add | Add | Add | Add | Add | Add |
| Extra Lu. | 5 c | 5 c | 5 c | 10c | 10c | 15 c | 15 c | 20c |

## ABDUT C.O.D. DRDERS (Minimum Order $\$ 10.00,20 \%$ Deposit)

If you order C.O.D., the post office collects a handling charge, plus a money order fee in addition to the regular parcel post charge. (We cannot accept COD's for APO's.

FPO's or for special-order merchandise). The extra C.O.D. fees are:

PARCEL POST C.O.0. FEES:
$\$ 10.01$ to $\$ 25.00 \quad .80 \quad \$ 50.01$ to $\$ 100.00$ .80
$\begin{array}{ll}\$ 50.01 \text { to } \$ 100.00 & 1.00 \\ \$ 100.01 \text { to } \$ 200.00 & 1.10\end{array}$
1.10

## MONEY ORDER FEES:

## UNITED PARCEL DELIVERY

United Parcel Service Rate Chart (use if an * appears next to Zip Code). Iterns Keyed "WX" are not shippable UPS. (See REA Express information.)

If your area is serviced by UPS and the service or rates are to your benefit, we will route your order via United Parcel Service. This fast, economical service is available for parcels up to 50 lbs. and 108 inches in length and girth.
any fraction of a pound over the weight shown takes the next migher rate

| WEIGHT NOT TO EXCEEO | TONE 2 TONE 3 |  | ZONE 4 | ZONE 5 | ZONE 6 | ZONE 1 | TONE : | WEIGMT NOT TO EXCEEO | TCNE 2 | ZONE 3 | ZONE 4 | TONE 5 | ZONE 6 | TONE 7 | 20NE B |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 lb . | \$ . 55 | 5.57 |  | \$ 62 | \$ . 65 | \$ . 68 |  | 26 Jb . | \$1.80 | \$2.32 | \$2.97 | \$3.62 | \$4.40 | \$5.18 | 6.22 |
| 2 tb . | . 60 | . 64 | . 69 | . 74 | . 80 | . 86 | 94 | 27 lb . | 1.85 | 2.39 | 3.07 | 3.74 | 4.55 | 5.36 | 6.44 |
| 3 lb . | . 65 | . 71 | . 79 | . 86 | . 95 | 1.04 | 1.16 | 28 lb . | 1.90 | 2.46 | 3.16 | 3.86 | 4.70 | 5.54 | 6.66 |
| 4 lb . | . 70 | . 78 | . 88 | . 98 | 1.10 | 1.22 | 1.38 | 29 lb . | 1.95 | 2.53 | 3.26 | 3.98 | 4.85 | 5.72 | 6.88 |
| 5 ld. | . 75 | . 85 | . 98 | 1.10 | 1.25 | 1.40 | 1.60 | 33 lb . | 2.00 | 2.60 | 3.35 | 4.10 | 5.00 | 5.90 | 7.10 |
| 6 lb . | . 80 | 92 | 1.07 | 1.22 | 1.40 | 1.58 | 1.82 | 31 lb . | 2.05 | 2.67 | 3.45 | 4.22 | 5.15 | 6.08 | 7.32 |
| 7 lb. | . 85 | . 99 | 1.17 | 1.34 | 1.55 | 1.76 | 2.04 | 32 lb . | 2.10 | 2.74 | 3.54 | 4.34 | 5.30 | 6.26 | 7.54 |
| 8 ib . | . 90 | 1.06 | 1.26 | 1.46 | 1.70 | 1.94 | 2.26 | 33 lb . | 2.15 | 2.81 | 3.64 | 4.46 | 5.45 | 6.44 | 7.76 |
| 9 ld . | . 95 | 1.13 | 1.36 | 1.58 | 1.85 | 2.12 | 2.48 | 34 lb . | 2.20 | 2.88 | 3.73 | 4.58 | 5.60 | 6.62 | 7.98 |
| 10 lb . | 1.00 | 1.20 | 1.45 | 1.70 | 2.00 | 2.30 | 2.70 | 35 lb . | 2.25 | 2.95 | 3.83 | 4.70 | 5.75 | 6.80 | 8.20 |
| 11 lb . | 1.05 | 1.27 | 1.55 | 1.82 | 2.15 | 2.48 | 2.92 | 3610. | 2.30 | 3.02 | 3.92 | 4.82 | 5.90 | 6.98 | 8.42 |
| 12 lb . | 1.10 | 1.34 | 1.64 | 1.94 | 2.30 | 2.66 | 3.14 | 37 lb . | 2.35 | 3.09 | 4.02 | 4.94 | 6.05 | 7.16 | 8.64 |
| 13 lb . | 1.15 | 1.41 | 1.74 | 2.06 | 2.45 | 2.84 | 3.36 | 38 lb . | 2.40 | 3.16 | 4.11 | 5.06 | 6.20 | 7.34 | 8.86 |
| 14 lb . | 1.20 | 1.48 | 1.83 | 2.18 | 2.60 | 3.02 | 3.58 | 39 lb . | 2.45 | 3.23 | 4.21 | 5.18 | 6.35 | 7.52 | 9.08 |
| 15 lb . | 1.25 | 1.55 | 1.93 | 2.30 | 2.75 | 3.20 | 3.80 | 40 lb . | 2.50 | 3.30 | 4.30 | 5.30 | 6.50 | 7.70 | 9.30 |
| 16 tb . | 1.30 | 1.62 | 2.02 | 2.42 | 2.90 | 3.38 | 4.02 | 41 lb . | 2.55 | 3.37 | 4.40 | 5.42 | 6.65 | 7.88 | 9.52 |
| 17 lb . | 1.35 | 1.69 | 2.12 | 2.54 | 3.05 | 3.56 | 4.24 | 42 lb . | 2.60 | 3.44 | 4.49 | 5.54 | 6.80 | 8.06 | 9.74 |
| 18 fb . | 1.40 | 1.76 | 2.21 | 2.66 | 3.20 | 3.74 | 4.46 | 43 lb . | 2.65 | 3.51 | 4.59 | 5.66 | 6.95 | 8.24 | 9.96 |
| 19 lb . | 1.45 | 1.83 | 2.31 | 2.78 | 3.35 | 3.92 | 4.68 | 44 lb . | 2.70 | 3.58 | 4.68 | 5.78 | 7.10 | 8.42 | 10.18 |
| 20 lb. | 1.50 | 1.90 | 2.40 | 2.90 | 3.50 | 4.10 | 4.90 | 45 lb . | 2.75 | 3.65 | 4.78 | 5.90 | 7.25 | 8.60 | 10.40 |
| 21 lb. | 1.55 | 1.97 | 2.50 | 3.02 | 3.65 | 4.28 | 5.12 | 46 lb . | 2.80 | 3.72 | 4.87 | 6.02 | 7.40 | 8.78 | 10.62 |
| 22 lb . | 1.60 | 2.04 | 2.59 | 3.14 | 3.80 | 4.46 | 5.34 | 47 ib. | 2.85 | 3.79 | 4.97 | 6.14 | 7.55 | 8.96 | 10.84 |
| 23 to. | 1.65 | 2.11 | 2.69 | 3.26 | 3.95 | 4.64 | 5.56 | 48 lb . | 2.90 | 3.86 | 5.06 | 6.26 | 7.70 | 9.14 | 11.06 |
| 24 lb . | 1.70 | 2.18 | 2.78 | 3.38 | 4.10 | 4.82 | 5.78 | 4910. | 2.95 | 3.93 | 5.16 | 6.38 | 7.85 | 9.32 | 11.28 |
| 25 mb . | 1.75 | 2.25 | 2.88 | 3.50 | 4.25 | 5.00 | 6.00 | 50 lo | 3.00 | 4.00 | 5.25 | 6.50 | 8.00 | 9.50 | 11.50 |

Additional charge for each COO delivery, 65 cents-and each address correction, 65 cenis.
WEIGHTAND SIZE LIMITS
Maximum weight per package, 50 POUNDS.
Maximum Weight of all packages from one shipper to one Maximumn werght of all packages

Maximum Size per package, 108 INCHES IN LENGTH AND GIRTH COMBINED.
Minimum charge for a package measuring over 84 inches in length and girth combined will be equal to charge for a package weighing 25 pounds.

## SHIPPING AND DELIVERY INFORMATION

Use our Order Blank. To assure fast delivery fill in all information requested (Please Printl. Always give your Zip Code! We'll send you new order blanks each time you order.

How to figure Shipping Charges . . See ZIP CODE CHART to find your shipping zone. To calculate charges refer to PARCEL POST chart or UPS chart if an asterisk appears next to your zip code. We will ship the most economical or fastest way. Items not shippable by Parcel Post or UPS will be shipped separately by Railway Express.

Cash Orders ... Please remit full amount, including amount you calculate for shipping charges, tax, handling charge or insurance. Do NOT send Currency or Stamps. We refund any excess.

COO Orders. . Ordering by COD is more expensive for you. You pay an extra fee (see COD Chart). For COD orders you must send a $20 \%$ deposit and pay the balance when your package arrives. No COO's under $\$ 10.00$.
Easy Pay Orders ... Indicate on the order blank whether a "new" or "add-on" Easy Pay order and fill in all information requested on back of the order blank.

Master Charge


Fill in your Master Charge card number and bank number in spaces provided on order blank. Amount for merchandise plus shipping charges, and tax (if any) will be billed to your Master Charge Account. (Less any deposit).
Stipping Weights . . All weights shown in this catalog are as accurate as we can determine. Use these weights and rate charts to determine shipping charges.

## USE YOUR ZIP CODE TO FIND YOUR SHIPPING ZONE OR UPS

This zone chart lists the first three digits (prefix) of the ZIP Codes of the sectional center facility of address. To determine the zone distance to a particular post office. ascertain the ZIP Code of the post office to which the
parcel is addressed. The first three digits of that ZIP Code are included in this chart, to the right thereof the zone. If an (") appears to the left of your zip prefix refer to UPS chart for charges, otherwise use Parcel Post chart.

| Iip Code Prefines | Zone | $2 i p$ Code Prefixes | Zone | 2ip Code Prefines | Zone | Zip Code Pretires | Zone | Zip Code <br> Prefines | Zone | Zip Code <br> Prefizes | Zone | 2ip Code Prefines | Zone |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 006-009 | 7 | ${ }^{-080-086}$ | 2 | $\cdot 178.199$ | 2 | -339 | 6 | -469 | 5 | - 577 | 7 | - 756.762 | 6 |
| . 010.013 | 2 | -087.089 | 2 |  |  | -350.364 | 5 | - 470 | 4 | -580.585 | 6 | . 763.770 | 7 |
| *014 | 3 | 090-098 | 1 | -200.218 | 3 | - 365.366 | 6 | -471-472 | 5 | - 586.589 | 7 | $\cdot 773$ | 6 |
| -015-018 | 2 | $\cdot 100-116$ | 2 | -219 | 2 | -367-374 | 5 | . 473 | 4 | 590.593 | 7 | . 774.775 | 7 |
| -019 | 3 | $\cdot 117-118$ | 2 | -220-238 | 3 | - 376 . | 4 | -474-479 | 5 | 594-599 | 8 | -776-777 | 6 |
| . 020.024 | 2 | -119-127 | 2 | -239-253 | 4 | -377.386 | 5 | -480.489 | 4 | -600-639 | 5 | - 778.797 | 7 |
| -025-026 | 3 | -128-136 | 3 | -254 | 3 | - 387 | 6 | -490.491 | 5 | -640.648 | 6 | - 798-799 | 8 |
| -027-029 | 2 | -137-139 | 2 | -255-266 | 4 | -388-389 | 5 | -492 | 4 | * 650-652 | 5 |  |  |
| .030 .033 | 3 | -140.149 | 3 | - 267 | 3 | - 390.392 | 6 | -493.499 | 5 | -653 | 6 | $800 \cdot 812$ | 7 |
| -034 | 2 | -150.154 | 4 | -268-288 | 4 | -393 | 5 |  |  | -654.655 | 5 | 813 | 8 |
| -035-043 | 3 | -155 | 3 | -289 | 5 | $\cdot 394.396$ | 6 | - 500.503 | 6 | -656-676 | 6 | 814 | 7 |
| ${ }^{\circ} 044$ | 4 | -156 | 4 | -290-293 | 4 | -397 | 5 | -504 | 5 | -677-679 | 7 | 815 | 8 |
| -045 | 3 | -157-159 | 3 | -294 | 5 |  |  | - 505 | 6 | -680-692 | 6 | $816-828$ | 7 |
| .046-049 | 4 | -160-161 | 4 | -295-297 | 4 | -400-402 | 5 | -506.507 | 5 | -693 | 7 | 829.874 | 8 |
| .050.051 | 3 | -162-163 | 3 | - 298.299 | 5 | -403-406 | 4 | -508-519 | 6 | -700.722 | 6 | 875-877 | 7 |
| -052-053 | 2 | -164-165 | 4 |  |  | -407-409 | 5 | -520.539 | 5 | -723.724 | 5 | 878.880 | 8 |
| -054-059 | 3 | -166-169 | 3 | -300.324 | 5 | -410-419 | 4 | -540 | 6 | -725-738 | 6 | 881-884 | 7 |
| -060.067 | 2 | -170-171 | 2 | - 325 | 6 | -420-427 | 5 | -541-549 | 5 | *739. | . 7 | 890.898 | 8 |
| -068-077 | 2 | -172-174 | 3 | -326-329 | 5 | -430.458 | 4 | -550.554 | 6 | -740-749 | . 6 |  |  |
| -078 | 2 | $\cdot 175.176$ | 2 | $\cdot 330.334$ | 6 | - 460.466 | 5 | -556-559 | 5 | -750-754 | 6 |  |  |
| -079 | 2 | $\cdot 177$ | 3 | $\cdot$-335-338 | 5 | - 467-468 | 4 | -560.576 | 6 | - 755 | - 6 | 900999 | . 8 |

## REA EXPRESS INFORMATION

Items not shippable Parcel Post or UPS are sent Railway Express. The Letters WX or WUX identify these items. DO NOT SEND MONEY for express charges with your order. Express charges are collected upon delivery at no extra cost to you. Insurance is included In your express rates. Be sure to specify your nearest Express Office if there is no agent in your town.

## APPROXIMATE REA EXPRESS CHARGES

| zone | 122 | 3 | 4 | 5 | 6 | 7 | 8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pounds | $\begin{gathered} 0 . \\ 150 \\ \text { milles } \end{gathered}$ | $\begin{aligned} & 151- \\ & 300 \\ & \text { Miles } \end{aligned}$ | $\begin{aligned} & 301 . \\ & 600 \\ & \text { miles } \end{aligned}$ | 601. 1000 Miles | $\begin{aligned} & 1001- \\ & 1400 \\ & \text { Miles } \end{aligned}$ | $\begin{aligned} & 1401- \\ & 1800 \\ & \text { Miles } \end{aligned}$ | 1801 s over Miles |
| 1-25 | \$ 9.20 | \$10.50 | \$11.50 | \$12.80 | \$14.10 | \$15.50 | \$18.40 |
| 26.50 | 10.30 | 12.10 | 13.70 | 15.60 | 17.70 | 19.60 | 24.10 |
| 51-75 | 11.40 | 13.90 | 16.00 | 18.40 | 21.20 | 23.80 | 29.90 |
| 76-100 | 12.40 | 15.50 | 18.10 | 21.10 | 24.60 | 27.90 | 35.30 |
| over 100 lbs Add per lt. | .12c | .15c | .18C | .21c | .24c | . 28 c | .35c |

## TERMS:

The prices listed in our catalog are net. All trade and cash discounts have already been deducted.

## All Prices are net, F.O.B. shipping point. PRICES. SPECIFICATIONS AND CONDITIONS OF SALE ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Parcel post \& UPS charges should be included with fully paid orders. We refund any not used.

## EXPORT OROERS

Minimum acceptable order $\$ 10.00$ in U.S. Currency. All prices are net F.O.B. our warehouse and subject to change without notice. Allow $20 \%$ over merch. andise value for shipping costs. Overpayments are promptly refunded.
Parcel Post to APO and FPO Addresses are considered Domestic Mailings. Use Zone $1 \& 2$ Rates for New York, Zone 8 for San Francisco \& Seattle.
C.O.D. orders are not acceptable out side continental limits of the United States. Each order must be accompanied by payment in Cash or U.S. Dollar Draft Payable at a U.S. Bank. Foreign Currencies are not acceptable.

We Reserve the right to route order by the best method where order does not indicate routing or when method suggested is impractical or not possible. Enclose import license and/or consulat Declaration where so required by your Govemment.

Please do not send currency or stamps.

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\hline $$
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Demend on Lafayette For Complete Stocks, Lowest Prices, Fastest Service

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#  <br> Band Amateur And SW Receiver 



## PRODUCT DETECTOR FOR SSB/CW

- 10 Transistors, 2 FET's. 7 Diodes, and 1 Zener Dicde
- Mechanical Filter for Exceptional Selectivity
- Huge Edge. Illuminated Slide Rule Dial with "S" Neter
- 117-Volts AC and 12-Volts DC Negative Ground Operation
- Full 241/2 Inches of Bandspread On 10-80 Meter Bands
- Automatic Series Gate Noise Limiter With AVC on AM
- Front Panel Headphone Jack for Private Listening


## LAFAYETTE HA-600A

No Money Down*

## 5 bamds

BAND A: 150 kHz to 400 kHz BAND B: 550 kHz to 1600 kHz BAND C: 1.6 MHz to 4.8 MHz BAND D: 4.8 MHz to 14.6 MHz BAND E: 10.5 MHz to 30 MHz

The HA-600A Reneral coverage recelver combines the latest solid state electronics with sleek, modern appearance to achieve a superb blend of performance and style. Advanced circuitry utilizes two Field Effect Transistors in the front end RF stages to assure high sensitivity with lowest nolse factor. 10 high performance transistors and 8 diodes complement the FET's to provide shatp response with exceptional stability. Series-Gate noise limiter and automatic volume control circuitry provide efficient noise and audio blasting suppression on AM. BuiltIn variable BFO permits clear reception of code and single sideband signals. 455 kHz mechanical fitter assures superior selectivity. Recelver's operation is virtually undis-
turbed by harmonics or noise from antenna to speaker. Rear panel accessory socket provides convenient connection for audio output, $12 \forall D C$, ground and AVC line, along with recerver muting connections. Huge flywheel operated slide rule dial has easy-to. read illuminated main tuning, logging, and bandspread scales. Electrical bandspread features wide calibration for easier tuning of crowded ham bands. Operates from 117 VAC 60 Hz or 12 VDC (negative ground only) perfect for emergency use! Imported. Stpg. wt., $253 / 4 \mathrm{lbs}$.
99 P 2593iw
Net 99.95 Matching $3 \times 5$-inch speaker in handsome cabinet.
99 P 25337 HE-48C
Net 9.95

## SPECIFICATIONS

Sensitivity: $1 \mu \mathrm{v}$ at 10 db signal to noise ratio. Selectivity: $\pm 6 \mathrm{KHz}$ at 60 ob down $\pm 2 \mathrm{KHz}$ at 6 db down. Intermedi. ate Frequency; 455 kHz . 8 FO Frequency: $455 \mathrm{kHz} \pm 2.5 \mathrm{kHz}$. Antonna impedance: $50-400$ ohms. Audio Power Output: 3 watts at 4 ohms. Speaker Impedance; 4. 8, and 500 ohms. Headphone impedance: 8 ohms. Receiving Modes: AM-CW-SSB. Power Requirements: 105-120 Volts 60 Hz ( 17 watts max.) 12 Volts DC ( 650 ma . max.). Size: $15 w \times 93 / 4 \mathrm{O} \times 81 / 4 \mathrm{H}$,

## Model HE-48C MATCHING AMATEUR SPEAKER

- Excellent Speaker for Lafayette or Other Receivers Which Require External Speaker
-Large $3 \times 5$ Inch Permanent Magnet Speakeı

Only
$g^{95}$

A quality $3 x 5$-inch permanent magnet speaker designed into o handsomely styled cabinet with attractive finish. Provides clean. crisp, and clear addio response even during single sideband reception. Made to mate with lafayette HA-6.50A and HA-8008 of other manufacturer's receivers which need external spenker provisions, Voice coll impedance: 8 ohms. Size: 74/4"Hx31/2"Wx5"D. Imported. Shpg. WI, $21 / 2 \mathrm{lbs}$. 99 P 25397

## 6-80 Meter SSB/AM/CW Solid-State

 Amateur Receiver

## Featuring Built-In 12 Volt DC And 117 Volt AC Supplies

- Varactor Fine Tuning and Calibrator
- Two 455 kHz Mechanical Filters
- Zener Regulated Power Supply


## LAFAYETTE HA 800B <br> $129^{95}$

6 Amateur Bands Including 6 Meters
Product Detector for SSB/CW
Built-in 100 kHz Crystal Calibrator
FET Front End Attenuates Overloads
Instantaneous Cool Performance

15 Transistors + 13 Diodes +4 FET's + 1 Varactor

- Series Gate Automatic Noise Limiting
- Dual Conversion on all Bands
- Illuminated Calibrated "S" Meter

The Lafayefte Model HA-800B solid-state amateur receiver covers the 80 through 6 meter bands with superior reception of CW , AM, and SSB signals. Tuned RF, miker, and oscillator stages feature FET's for outstanding front-end selectivity and sensitivity with automatic RF overload protection. In SSB/CW mode, product detection combines with a varactor controlled fine tuner to change CW pitch or clarify SSB copy. Bullt-in 100 kHz crystal calibrator ensures accurate preselection of ploper frequencies (supplied less crystal). Rear panel accessory socket provides convenient access to audio output, receiver muting line, and 12 -\%olt DC input. Tape output jack permits
direct taping and front panel headphone jack facillties operation in noisy areas. Sensitivity; better than $1 \mu \mathrm{v}$ on all bands. Selectivity: 60 db down at $\pm 6 \mathrm{kMz}$. Power requirements: 117 volts $A C 50^{\prime} 60 \mathrm{~Hz}$. or 12 volts DC. Size: $81 / 4 \mathrm{~Hz} 15 \mathrm{Wx} 91 / 4{ }^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt ., $241 / 4 \mathrm{lbs}$.
99 P 26155 wx No Maney Down*
Model HE-48C Matching 8 ohm Speaker. Imported.
99 P 25397 Shpg. wi., 3 lbs.
Net 129.95

100 KHz . Calibrator Crystal for MA. 800 B
40 P 09015 L Shog. wt., 3 oz.

# 100-Watt Mobile Linear Amplifier Model HA-250A 

 SMALL . . . COMPACT . . ONLY 2 INCHES HIGH- Covers $20-54 \mathrm{MHz}$. 6, 10, 11 and 15 Meters (Not permitted on 11 meters Class D CB in U.S.A.)
- Operates on 117 Volts AC with Optional Supply
- No External Switching Required
- Amplifies AM, FM. CW, DSB or SSB Signals From $1 / 2$ to 10 Watts - Self-Contained 12 Volt Power Supply


Boost flea power to high power for extended range and better readability. Provides up to 100 watts PEP ( 50 Wotts OC) input into a 50 ohm load (with 10 watts RF drive). Unique RF sensing circuit automatically switches in linear when transmitter is activated. Absolutely no external switching is necessary. Builit-in rolay directly connects antenna to input $\$ 0.239$ coaxial socket when receiving. No internal connections are required to your existing equipment. Simply insert the unit in serfes with your transmitter (or transceiver) and antenna and you're on the air with a real punch. Circultry is broadbanded so only one tune-up is usually necessary on any band. Illuminated front panet meter Indlcates relative RF strength of linear's output signal when linear is on, or exciter's relative RF signal strength when linear is off. Self-contained power supply utilizes a high efficiency toroid power transformer. Rugged, attractively designed chassis with oversized heat sinks sturdy and cool operation. Supplied with comptehen.

sive manual, fused $D C$ power cables and mounting bracket. Size: 7 "D $x 9^{\prime}$ Wx2'H. Imported. Shpg. wt., 7 lbs. 12 oz .12 Volt DC Negative
Ground Only. Ground Only.

## 99 P 25280 W

Net 99.95
SPECJFICATIONS: Frequency Coverage: $\mathbf{2 0}-\mathbf{5 4} \mathrm{MHz}$. Plate Power Input: 50 Watts ( 100 Watts PEP). Minimum RF Drive: $1 / 2$ Watt. Maximum RF Drive: 10 Watts. Input Impedance: 50 Ohms. Output Impedance: 40 600 Ohms ( 50 Ohms Nominal). Amplification Modes: AM, FM. SSB. DSB. CW. Power Requirement: 12 Volts DC (Neg. Ground only). DC Power consumetion: 27-watts idline 120-watts at full inout.

Model HA-255 AC Power Supply For 117 volt AC $50 / 60 \mathrm{~Hz}$. operation of HA-250A Linear Amplifier. Power connector mates directiy with chassis socket of HA-250A. Size: 9W x 7D x $5^{\circ 1} \mathrm{H}$. Imported.
99 P 25298 N No Money Down* Shpg. wt., 11 Ibs. ....Net 32.95

# High Performance Amateur and SW Gear Deluxe Drake Model R-4B Triple Conversion Receiver 



## $4750^{00}$

- Solid State Linear Permeability Tuned VF0
- Noise Blanker on CW, SSB, AM
- Crystal Lattice filter

Triple conversion with exceptional features. Covers $80,40 \quad 20$, and 15 meters completely and $28.5-29 \mathrm{MHz}$. Segment of 10 meters with crystals furnished. Ten accessory crystal sockets for any ten ad ditionat 500 kHz ranges from $1.5 \cdot 30 \mathrm{kHz}$ with the exception of $5.0-6.0 \mathrm{MHz}$. Selectivity control with 4 bandwidths: . 4 kHz ., 1.2 kHz . 2.4 kHz ., and 4.8 kHz . Pass band funing permits $S B$ selection withou retuning and adjustment. Nolse blanker, notch filter, 100 kHz crysia calibrator. Crystal lattice filter 1st IF. Crystal oscillator and low frequency VFO outputs are pre-mixed. Receives SSB, AM, CW and RTTV with full RF gain. Product detector for SSB/CW-diode detector or AM. Transceive capability: transcelves with $\mathrm{T}-4 \times \mathrm{B}$ or $\mathrm{T}-4 \mathrm{X}$ trans. mitters. S-meter. less speaker. 60 watts. $120 / 240 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$ $51 / 2 \mathrm{H} \times 103 / 4 \mathrm{~W} \times 119 \mathrm{mD}$. Shpg. wt., 19 lbs.
40 P 65306 W No Money Down
Model MS-4 Matching Speaker for R-4B. Wi., giv2 lo..... 40 P6504iw

DRAKE SW4A SW RECEIVER


No Money Down*
335

- Dual Conversion
- Crystal Lattice Filter
- Direct Frequency Dialing

Superb reception of European LF, American MF, and International SW broadcast bands. Frequency Coverage: $.15 \cdot 5,5 \cdot 1.0$, 1.0-1.5, 6.0.6.5, 7.0-7.5, 9.5-10.0 11.5-12.0 $15.0-15.5,17.5-18,21.5-22$ and $25.5-26.0$ MHz with crystals supplied. Crystal sockets are provided for coverage of any three ad ditional 500 hHz ranges between 1.5 and 30 MHz ercept $5.0-6.9 \mathrm{MHz}$. Has S meter for signal strength indication. Preselector provides superb sensitivity. Crystal high fre quency osclltator. Amplified AVC. Solidstate AF output. Impedance: 4 -ohins. For $120 / 140 \mathrm{VAC}$., $50 / 60 \mathrm{~Hz}$. Size: $52 / 2 \mathrm{H} \times 10 \%$ $\mathrm{W} \times 117 \mathrm{~m}^{\prime \prime} \mathrm{O}$. Shpg. wt., $171 / 2 \mathrm{ibs}$.
M0 P 65330 W ........................Net 335.00 MS-4 Matching Speaker. Shpg. wi., $91 / 2$ los. 40 P 65041 w .............................et 22.00

HALLICRAFTERS SX-133 GENERAL COVERAGE RECEIVER

$275^{00}$
No Money Down*
Deluxe four band superhet receiver tunes 535 kHz to 31.5 MHz Covers foretign and domes tic short-wave broadcasts, amateurs, aireraft and marine plus standard AM. Recelves code (CW), voice (AM), and singie sideband (SSB) selectable upper or lower. Calibrated electri. cal bandspread on the $80,40,20.15,10$ meter ampteur bands, citizens band and the 49, 31. 25, and 19 meter shortwave bands. Fine features inchude selective crystal filter. calibrated BFO, product detector, antenna irimmer, " $S$ " meter, effective noise limiter, and crysial calibrator. For $117 \mathrm{VAC} 50 / 60 \mathrm{~Hz}$.
 40 P 25656 W ...........................Net 275.00 Speaker for SX-133. Shpg. wi., $21 / 2$ lbs 99 P 25397 HE4BC .................
9.95

DRAKE 2-NT CW TRANSMITTER


- 100 Watts Input Power
- Built-in Power Supply

Works all amateur bands 80 thru 10 meter crystal controlled. Features automatic trans mit switching and antenna change over relay simplifled tuning is provided by broadband low level stages and fixed loading; PA plate tuning only! Additional features include Automatic receiver muting; built-In CW side tone with adjustable level; low pass filter prevents TVI; spotiling function; RF Indicator light and built.in power supply. In standty position transmitter can be used as a code practice oscillator. Plate meter is redillned for Noulce power. Delay control varles from full "break-in" to 4 seconds. Also has. 2 . front panel crystal sockets; rear panel mute, external switch. VFO and hey jacks. For $120 \mathrm{~V}, 50-60 \mathrm{~Hz} A C$. Sire: $9 \% \mathrm{FW} \times 6 \%, \mathrm{H} \times$ $6 \%, *$ O. Shpg. wt., $15 \% / 2 \mathrm{lbs}$.
40 P65272W
Net 175.00
DRAKE T-XXB
SSB/CW/AM TRANSMITTER


- 200 Watts PEP Input
- 6 Bands SSB, CW, AM and RTTY
- 2 Crystal Lattice Fitters Improved version of model T-4X Covers 160 . 10 Meters. Permeability tuned solid-state VFO has a callibration accuracy of better than 1 KHz Rated at 200 watts PEP on SSB, 180 watts PEP on AM, and 180 watts CW. AM con. trolled carrier modulation is compatible with SSB linear amplifiers. Two crystal lattice filters for sideband selection. Plate/current relative outpul meter. Automatic transmitrecelve switching on CW dellvers true breakin to 50 wpm . VOX or PTT on SSB and AM. AGC operates on SSB to prevent flat topping due to overdrive. Size: $51 / 2 \mathrm{H} \times 11 \% \mathrm{D} \times$ $103 / 4$ W. Less oower supply. Shpg. 18 lbs. 40 P 65322 W $\qquad$ Net 495.00
AC-4 117 VAC Power Supply for T-4XB.
Shpg. Wt, $191 / 2 \mathrm{lbs}$.
40 P 65249 W ................................... 99.95


## REGENCY HR-2A MOBILE 2 METER FM TRANSCEIVER


$229^{00}$
Supplied with crystals for 146.94 MHz , mike, and mounting bracket

- Power Output: 15 Watts or Better
- Automatic Adjustable Deviation Limiting

Double conversion receiver with $0.35 \mu v$ sensitivity for 20 db quiet Ing. Shapp selectivity of 6 db for 16 kHz and 50 db for 32 kHz assures slingle channel copy. Squelch circult utilizes variable electronic noise compensation. Burti-in $4^{\prime \prime}$ speaker. Transmitter utilizes automatic IImiting lor high carrier stability. Built-In SWR load mismateh circuitry provides protection against open or shorted antennas. Mike pre-amp, uses FET input circuit, Dperates on 6 separate transmitting and recelving channels plus provisions for six additional receiving channels. 2 IC's, 24 transistors, and 7 diodes. Power Drain: 2.5 amps. under full transmit at requiled 12 volls DC. Supplled with a set of crystals for 146.94 MHz , pusth-to talk ceramic mike, and mouriting bracket. Size: $21 / 4 H^{2} 51 / 2 W x 71 / 4{ }^{*} D$. Shpg. Wt., 6 lbs
40 P 66346 W No Money Down ${ }^{*}$ $\qquad$ Net 229.00
Additional Crystals-Specify Frequency- $\mathbf{3 0}$ Day Delivery
40 P 82129 Y Transmit. Shpg. wi., 407
Net 8.50
40 P 82137 Y Recelve. Shpg. wt., 4 oz
.Net 4.95

## DRAKE "Marker Luxury" 2 METER FM TRANSCEIVER



- For 12 Channel Operation
- Built-in 12 Volt DC and 117 Volt AC Supplies
- Power Output: Greater than 10 Watts


## $299^{95}$

Supplied with 2 channels. Moblle mounting bracket mite, coax and Hustier Antenna
Expressly designed to provide the flexibility needed for point to point or repeater operations. Covers the $144-148 \mathrm{MHz}$ spectrum with full power performance. Solid state receiver incorporates crystal controlled double conversion superheterodyne circuitry. Sensitivily is better than $0.5 \mu \mathrm{v}$. for 20 db . quieting and $1 \mu \mathrm{v}$. for $30 \mathrm{db} \mathrm{S}+\mathrm{N} / \mathrm{N}$ at 10 kHz with 1 kHz modulation. Hytrid transmitter utilizes transistors with a rugged 6360 output tube. RF output is better than 10 watts with adjustable deviation to 15 kHz . Spurious radiation is greater than 80 db below the carrier. Built-in 12 volt DC and 117 volt AC supplles. Draws 4 amperes on full transmit (in 13.5 volts. Supplied with 146.34 MHz transmit and 146.94 MHz receive crystals for channel 1 , and with 146.94 MHz (Simplex) crystal for channel 2 . mobile mount. mike. cosx, and Hustler Antenna, Sixe: $77 / 8 W \times 27 / 4 \times 101 / \omega^{* 0}$. Imported. Shpg. wt., 13 tbs.
40 P 65439 W No Money Down*
Nei 299.95
Additional Crystals-Specify Channel Frequency- 30 Day Delivery
40 P 65447 Y Transmit. Shpg, Wt., 4 oz.
40 P 65454 Y Receive. Shpg. wt., 4 oz.
Net 5.00
Net 5.00

DRAKE MODEL TR-4 SSB / AM / CW TRANSCEIVER


- Full Frequency Coverage 10.80 Meters
- Automatic TR Switching on CW
- CW Side Tone Oscillator
- Vox or PTI on SSB or AM


## $599^{95}$ <br> No Money Down ${ }^{*}$

- Adjustable Pi-Network
- SolidState VFO Blanker

Delure SSB/AM/CW transceiver with VOX and PTT on SSB and AM, automatic transmit/receive swltching on CW. Ideal for moblle or portable work. Sensitivity less than $1 / 2$ microvolt for 10 do $\mathrm{S} / \mathrm{N}$. Features: Selectivity 2.1 kHz at 6 db . 7.5 kHz at 60 db ; Ranges $3.5-4$ MHz , $7.0-7.6 \mathrm{MHz}, 13.9$-14.5 MHz, 21-21.6 MHz, 28-28.6 MHz, 28.529.1 MHz, 29.1-29.7 MHz; Transistorized permeability tuned oscilla tor which tunes 4.9-5 MHz. Less than 100 Hz drift after warmup: input power 300w PEP (SSB) 260 w AM or CW; 20 tubes 6 diodes and bullt-in 100 kHz xtal calibrator. Size: $101 / 4 \mathrm{~W} \times 51 / 2 \mathrm{~Hz} 143 / \mathrm{a}^{\prime \prime} \mathrm{D}$. Less nolse blanker.
40 P 65462wx Model TR.4. Shpg. wt., $201 / 2$ lbs. Net 599.95 ACCESSORIES FOR DRAKE TR-4
40 P $65470 \quad 34 \mathrm{NB}$ Plug-in Nolse Blanker, wt. $1 \mathrm{lb} . . .$. Net 100.00 40 P 65041 MS. 4 Matching Spkr. for TR-4, wt. $91 / 2 \mathrm{lbs}$. Net 22.00 40 P $65249 W$ AC-4 AC Power Supply for IR-4, 194/2 lbs. Net 99.95 40 P 65397 W DC-4 DC Power Supply for TR-4, 9 lbs ....... Net 125.00

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AS LOW AS 3.95

Includes New Extra Class, Supplementary General, and Supplementary Exira Courses Fast, accurate method for learning code. JUNIOR COURSE: one $331 / 3$ RPM LP; from start to $71 / 2$ WPM. ADVANCED: one $331 / 3 ~ L P$ : $82 / 2$ to 18 WPM. SENIOR: two $331 / 3$ RPM LP's from start to 18 WPM. EXTRA CLASS COURSE: one $331 / 2$ RPM LP: 13 to 22 WPM. SUPPLE. MENTARY GENERAL CLASS COURSE: cONCERtrated study from 12 to 15 WPM ; one $331 / 3$ RPM LP. SUPPLEMENTARY EXTRA CLASS COURSE: concentrated study from 19 to 24 WPM; one $331 / 3$ RPM LP. Courses include 32 page manual with FCC-type exams.

| Stock No. | Course | Speed | Wt. | Not |
| :---: | :---: | :---: | :---: | :---: |
| 40 P 13058 | Junior | 3343 RPM | 1 ID. | 3.55 |
| 40 P 13074 | Senior | 331/3 RPM | $11 / 4 \mathrm{lb}$ | 7.50 |
| 40 P 13090 | Advanced | 331/3 RPM | $7 / 4 \mathrm{db}$ | 3.95 |
| 40 P 10518 | Exira Class | 331/2 RPM | 1 lb . | 3.95 |
| 40 P 10526 | Supplementary generat | 3345 RPM |  | 3.95 |
| 40 P 10534 | Supplementary Extra | 331/5 RPM |  | 3.95 |

## TAPED COOE-LEARN CODE ON A TAPE RECORDER



Prerecorded magnetic tapes containing a complete course in the in termatlonal Morse Code. The tapes are $7=1200$ ft . pre-recorded it $33 / 4$ ips and can be played on any standard tape recorder. Playing time 2 hours per tape shpg, wt., 1 lb
40 P 49011 NDVICE Basic instructions \& code $4-8$ WPM
40 P 49029 AOVANCEO Code at 9.10 WPM
40 P 49037 New EXTRA Code Insiruction at 22.31 WPM
Net 6.50
Net 5.50

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BASIC COURSE, consists of 10 lessons, bringing the student up to $\mathbf{1 5}$ words per minute, with 20 -page code course. 40 P 71007 Shpg. wt., $1 / 2 \mathrm{lb} . .$. Net 4.95 AOVANCEO COURSE, consists of 12 lessons, 16 to 25 words-per-minute. With 20 -page code course. Shpg. wt, $1 / 2 \mathrm{lb}$. 40 P 71015

Net 4.95

# LAFAYETTE Amateur Keys and Oscillators 


(A) LAFAYETTE SEMI-AUTOMATIC "BUG"

A quality "Bug" designed for clear, easy sending and wide range of speed. 7 adjustments for speed and comfort. Precision-tooled, anti-rust nickel-plated brass and stainless steel operating parts. Speed adjustable 10 wpm to as high as desired. $1 / 8^{\circ \prime}$ silver contacts; weight scale for reproducible speed settings. $67 / 8 \mathrm{~L} \times 3 \mathrm{~W} \times$ $2 y_{4}{ }^{\prime \prime} \mathrm{H}$, exelusive of knobs and feet. Imported. Shpg. wt., $3 \mathrm{y} / 4 \mathrm{lbs}$.

Net 14.75

## 99 P 25520 <br> (B) LAFAYETTE CODE PRACTICE SET

ideal for the beginning amateur and code practice groups. Key has adjustable spring tension, and adjustable contact clearance. High frequency buzzer has frequency, and tension adjustment with lock nuts to assure constant frequency. There is provision for insertion of head set by means of binding posts with knurled tightening screws. For individual, group or remote listening. Uses Latayette $1 / 2$ Volt battery, Base $67 / 2 \mathrm{~L} \times 23 / 4 \mathrm{~W} \times 13 / \mathrm{s}^{\prime 0} 0$, overall length $81 / 2^{\prime \prime}$. Imported. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 P 25538
Net 1.89
99 P 62564 " O " Cell battery for above
Net .19
99 P 25504 Stethoscope Headset
Net 1.53
(C) LAFAYETTE "BRASS-POUNDER'S" KEY

A precision-made key designed for hard usage. Spring tension and contact clearance adjustments; $3 / 16^{-}$silver contacts; adjustable ball-bearing pivots; Circuit closing switch. Base $3 \times \mathbf{2 "}^{\prime \prime}$; overall sire $5 \times 2 \mathrm{Hy} \times 1$ hi". Imported. Shpr. wt., $1 / 2 \mathrm{tb}$.

## 99 P 25553

Net 2.75

## (D) LAFAYETTE BEGINNER'S KEY

Economical hey for beginning amateurs. Solid, heavily chrome and nickel plated metal parts, molded phenolic base. Adjustable spring tension, adjustable metal parts and adjustable contact clearance. 2 mounting holes in base. Base $31 / a L \times 11 /, 0$.W. Overall length 5 ; height 1 tho". Imported. Shpg. wt., $1 / 2 \mathrm{ib}$.
99 P 25546
Net .79

## (E) HIGH FREQUENCY CODE PRACTICE BUZZER

Adjustable frequency buzzer ideal for individual or group code practice. Perfect code item for the ham shack. Black molded phenolic housing. Works with $1 / 2$ volt battery. Screw adjustment for changing tone. $17 / \mathrm{m}^{\circ} \mathrm{dlam} \times 1 / \mathrm{c}^{\prime \prime} \mathrm{high}$. Imported. Shpg. wt., $1 / 4 \mathrm{lb}$.
99 P 25561
Net .89
(F) MINIATURE CODE OSCILLATOR MODULE

Transistorized. Ready to connect to your telegraph key, any $1 v_{2}$ to 6 volt battery and any PM speaker-ideal for learning Morse code or developing speed in recelving or sending-volume may be increased by using higher voltage battery up to 6 volls. Simple connecting instructions and schematic included. Shpg. wt., 3 or.
19 P 15131
Net .98

## LAFAYETTE SOLID-STATE

 WIRELESS CODE PRACTICE OSCILLATOR SET

Only
Makes learning code as easy as possible. Ideal for students, nobbyists or aspiring amateurs. Portable, battery operated. Just place oscillator antenna next to any AM radio... turn radio on and you're ready to practice or improve your code speed. Includes hand key and 9 -volt battery. Transistorized oscillator features low battery drain. Size: $31 / 4 W \times 20 \times 1$ H. Key: $47 / 4 \mathrm{Lx} \mathrm{F}_{6} \mathrm{wW}$. Im. ported. Shpg. wt., $1 / 2 \mathrm{lb}$.
99 P 2608
99 P 60212 Extra 9 volt battery Net 31

LAFAYETTE CODE PRACTICE OSCILLATOR


A terrific ald for the beginning Morse Code learner to experienced hams who wish to improve their code speed. Completely self-contained. It can be carried wherever you go. Efficient built-In speaker provides loud, clear signal. Excellent for group practice sessions. Varlable pitch control gives pleasing tone by changing frequency. For private use, without disturbing others, you have a choice of earphone tone operation, flashing light or both together. Uses low drain battery-operated transistor oscil. lator. Specifications: Tone frequency range: Approx. 500 to 2000 Hz variable Controls: Pitch, Tone, light and Light/Tone. TermInals: Key, Earphone. Batteries: Includes 2 " $C$ " cells. Case: Hi -impact bakelite. Slze: $61 / 4 \mathrm{H} \times 33 / 4 \mathrm{~W} \times 2^{\prime \prime} 0$. Imported. 99 P 25603 Shpg. wt., $1 \mathrm{l} / \mathrm{lbs}$ Ib

Net 9.95
99 P 62572 Extra " $C$ " cells for above, 2 req. Net ea. . 17 Lightweight Crystal Headset for above. Imported.
99 P 25504 Shpg. wt., 5 oz
Net 1.53

## VIBROPLEX SEMI-AUTOMATIC KEYS



Super Deluxe "Presentation." Patented jewel movement and Superspeed control. Polished chrominum precisloned machined parts mounted on a 24 K gold-plated base top with colorful red switch knob, finger and thumb piece. Jeweled movement reduces friction, main. tains smoother, easier operation. Shpg. wt., 5 lbs. 40 P

Net 47.95
"Champlon." Low priced Vibroplex with same high standards of high quality for clear, speedy and easy sending. Ideat for amateur or professional radio operators. Chromium finished top parts with grey crystal base. Single lever with 2 pairs of contact points.
40 P 88019 Shpg. wt. $37 / 4$ lbs.
Net 23.95
"Original". Acclaimed by veteran operators for its extremely smooth, clear, rapid, effortless and accurate operation. A rugged, well bullt, experlly engineered machine for all classes of transmitting work. Large contact points. Die cut dot contact. Chrome-plated mechanism. Cast-iron base. Shpg. wt., 4 th lbs.
40 P 88027
Net 29.95
Deluxe "Original". As above but jeweled bearings, chrome-plated base. Shpg. wt., 5 lbs.
40 P 88035 No Money Down ${ }^{*}$
Net 36.95
CURD AND WEDGE for above, Shpg. wt., $1 / 4 \mathrm{lb}$.
40 P 88050
Net 2.75
Vibro-Keyer, An efflcient heying mechanism for an electronic transmitting unit. Smooth and easy operating trunion lever. Large contacts and frame. Size: $31 / 2^{\prime \prime 1} 4^{4} / 2^{\prime \prime}$. Shpg. wt., $33 / 4$ lbs.
40 P 88068
Net 22.95

## B \& W/WATERS CODAX AUTOMATIC KEYER

- Automatic Spacing and Timing
- Solid State Circuitry The Codax automatic keyer fea. tures automatic spacing and timing for any speed from 5 to 50 WPM. Double paddle hey adjusts to any fist. Transistorized digital circuit and hermetically
 sealed "Reed" relay for lasting reliablity. $\$ 500$ cycle audio output is at microphone tevel for use of vox circuit. Keys grid block circulf or operates heying relay in AM/CW rlgs. Self powered. Dot/Dash, 3:1. $24 / 4 \times 37 / 4 \times 61 / s^{\prime \prime}$. Shpg. wi., $21 / 2$ lbs. Less Batteries 40 P 16309 Model 361, No Money Down*
Package of $21.35 v$ batteries for above ( 3 phgs. req.)
32 P 46518
Net per package 2.28


# Improve Your Amateur And CB Operating Effectiveness With LAFAYETTE Meters and Testers 

## SWR Bridge and RF Power Meter

## 

－Measures Standing－Wave－Ratio in a Transmission Line
－Measures Up To 15 Watt Output Into a Built－In Dummy Load
－VSWR Measurement From I：I to 10：1 and Reflected Power to

## 1 KW

Highly accurate SWR and direct power readings up to 50 MHz ．The unit may be permanently inserted in the transmission line for SWR and relative power monitoring．For 52 or 75 chm lines．Insertion loss is negligible．Meter has 50 ，$u$ a movement：calibrated directly in watts from 0.15 and in SWR from 1 to 10 if（reads Infinity at full scale）．Housed in an attractive grey metal cabinet， 3 H／ax $714 \times 23^{\prime \prime}$ ．Sits on 4 rubber feet．Imporled．Shpp．Wt．， $23 / 4 \mathrm{tbs}$ ． 89 P25082

Net 24.35


## LAFAYETTE SWR And Field Strength Meter

## Only

## $10^{35}$

－Measures SWR Relative Forward And Reflected Power to 1 KW
－Reads Field Strength

A handy $2 \cdot \operatorname{in}-1$ meter for use in the amateur radio station to check iransmifters for SWh measurements．Can be left continuously in the circuit for monitoring transmitter outputs，SWR：1：1 to 3：1；Accuracy $\pm 5 \mathrm{db}, 2$ to $30 \mathrm{MHz}_{\text {；}}$ Impedance： 52 Ohms；Antenna： 5 －section col lapsible．Coniparative RF Held strengths can be easily determined with this fine meter．Sensitive 100 micro－ammeter movement with easy to read 2 －color dial．Impedance matches 52 Ohm coaxial lines． Neatly designed attractive case．Size： $1{ }^{1} \neq W \times 5 \% H_{0} 274{ }^{\circ} \mathrm{D}$ ．Imported． Shpg．wt． 1 lb． 8 oz. 99 P 25835

Net 10.95

## 24．1000－Watt Inline Wattmeter



Coverage
1.8 .54 MHz ．

No Money Down＊

Reads forward and reflected power directiy In watts（VSWR from nomogram），Two scales in each direction． 200 and 2000 watts full scale．Calibration accuracy：$\pm$（ $5 \%$ of read． ing +2 watts）on 200 watt scale；$\pm(5 \%$ of reading +20 watts）on 2000 watt scale． Size： $51 / 2 \mathrm{Hx} 3 \mathrm{y}_{4} \mathrm{Wra}^{\prime \prime} \mathrm{D}$ ．Shpr．wt．， $21 / 2 \mathrm{lbs}$ ． 40 P 65371

Net 61.95

## Miniature Illuminated＂ $\mathbf{S}$＂Meter



## －Indicates Strength of Received Signal

$4^{35}$
－Jeweled Bearings
－Accuracy $2 \%$ of Full Scale
－High Quality D＇Arsonval Movement
－Clear Plastic Front
Durable wrap－around plastic front panel provides wide－angle reada－ bility．Zero adjustment screw on front panel；jewelled beanng move ment．Calibrated in＂ 5 ＂units from 0.9 with the scale terminating in +10 and +30 callbrations．Acditional full scale calibrations of $0-5$ and 0－10 in linear scale divisions．Silvered dials；black numerals and pointers．lliuminating lamp for elther 6 or 12 volt operation． $1 \%{ }^{\prime \prime}$ dial face； $11 / 4^{-}$overall behind panel．Supplled with mounting screws Imported．Shpg．wt．，1／2 lb． 99 P 25132

Net 4.35

## Miniature Illuminated Modulation <br> S＂Meter

－Combination＂ S ＂
 Meter，\％Modulation Meter and RF Power Output Meter
－Accurate D＇Arsonval Movement
－Jewel Bearings
Mighly accurate．Features wide viewing angle and 3 －color scale．Front panel zero adjustment．Calibrated scales（1 MA full scale）， 0 to $100 \%$ modulation，＂S＂units 0.9 also +10 and +30 ．Unear full scale markings of 0 to 5 ．Dimensions：dial face， 1 年；depth $11 / 4$－overall． Supplied with 4 mounting screws and lugs．For 6 or 12 volts．Dust resistant case．Imported．Shpg．wt．险 ib．
99 P 25074
Net 4.19

Provides all you need to get the most out of your transmitter． Absorbing negligible power，this inline unit will continuously monitor radiated power．Range selector switch allows monitoring on ranges of $0-10,0-100$ ，or $0-1000$ Watts．VSWR measurements can be quickly arrived at by means of a nomogram which is supplied with the unit． Attractive design with vinyl－clad metal enclosure and walnut finish wood sides．Size： $41 / 4 \mathrm{H} \times 9 \mathrm{~W} \times 4^{\text {＂}} \mathrm{D}$ ．Shpg．wi．， 2 lbs．
40 P 24030 No Money Down ${ }^{*}$
Net 39.95

## B\＆W Little Dipper Model 331A

## －RF Signal Generator <br> －Auxiliary Signal Generator <br> －Absorption Wavemeter

A highly sensitive，accurately calibrated， battery operated transistorized instrument． Also measures capacity，inductance and circuit＂ Q ＂．The metering circuit consists of a DC amplifier with a $100 \mu \mathrm{~A}$ meter which detects dips or peaks，and＂$Q$＂readings． Continuous $2-230 \mathrm{MHz}$ coverage with 7 over－ lapping plug－in coils（supplied）．Frea．Ac． curacy $\pm 3 \%$ ．Mod．Freq． $1 \mathrm{kHz}(25-40 \%$ mod．）．With 9 volt battery．Stainiess steel case．Size： $7 \times 21 / 4 \times 24 / 2^{\prime \prime}$ Shpg．wt．， $31 / 2$ tbs 40 P 16390 No Money Down ．Net 99.95 99 P60212 Extra 9v Battery Net ． 31


## Full－Size Illuminated＂$\$$＂Meter


－Indicates Strength of Received Signal
－ 2 Jewel Movement
－Clear Plastic Front
－Calibrated to $\$ 9+40 \mathrm{db}$
A quality＂ $\mathrm{S}^{\prime}$＂meter（basic 1 ma， 2 jewel movement）designed to replace many＂$s$＂meters used in communications recelvers．Clear plastic front measures $2 \% \mathrm{~m}^{\prime \prime}$ square and meter fits standard $2 \mathrm{H}^{*}{ }^{*}$ round hole．Perfect for the experimenter and amateur．Complete with mounting screws，instructions for installation and use．For 6 volt or 12 volt operation．Zero adjustment control on front panel． Imported．Shpg．wt．． $1 / 2 \mathrm{tb}$ ．
日9 P 25140
Net 5.95
－Sec Page 23 for Full Details on Easy Pay Plan

1. Amateur Meters, Clocks and Accessories

## CLEGG 2 METER T/R BOOSTER


$47^{50}$
No Money Down* A low nolse band pass preamplifier ruggedly constructed and enclosed, along with a spe. cially designed relay assembly, in a compact weather-proof housing with Input and output so-239 coax receptacles. When mounted close to antenna and when 10 to 15 VOC is applied to unit the amplifier is actuated on receive only providing a 2.3 ob nolse figure and 14 to 18 db of gain. Requires $10-18 \mathrm{VDC}$ at 150 to 250 ma from transceiver or sepa. rate power supply for activation. Input and output Impedance 50 ohms. Size: 51/2"L x 13 "" Diam. Shpg. wt., 1 lb.

## 40 P 68003

Net 47.50

## E. F. JOHNSON PHONE PATCH



## $25^{\circ 0}$

A compact automatic hybridtransformer type patch which accepts PTT, manual, or vox heying. Separate recelver and transmitter inpul gain controls provide flexible operation without over drive. Effectively shielded and RF by-passed to virtually ellminate RF feedback into the phone line. Switches audio from speaker ts telephone headset for undistorted, humfree response. Adjustable "line null" control. Size: $2^{\prime 2} W x 6^{\prime \prime} \times 21 / 2 " 0 . \mathrm{Shpg}$ wt., $21 / 2 \mathrm{lbs}$. 40 P 46231 Model 250.46 Pafeh Net 25.00

## R. L. ORAKE POWER LINE FILTER



Isolates transmitter or TV set from RF on power line. May also be used on transmit. ters to prevent radiatlon through power lines or feedback loops from antenna back into transmitter through the line cord. Minimizes. Interference from electrical appllances used on the same circuit as the TV set or radio receiver. Attenuates 500 KHz to over 200 MHz . For 125 VAC, 6 amps max. Size: $5 \times 2 \times 2$. Shpg. wt., $11 / 2 \mathrm{lbs}$. Size: $5 \times 2 \times$
40 P 65512

## R. L. ORAKE FET CONVERTERS FOR 2 AND 6 METERS

as loons $71^{\circ}$

Features low noise, improved cross modula. tion and overload performance, unlform galn across band, all solid-state circuitry, zener regulated crystal oscllator for improved stability, improved image rejection and low spurious response. Two crystals bultt.in. Slide switch allows selection of proper crys. tal for reception of 144 and 145 MHz (2 meters) or of 50 and 50.5 MHz ( 6 meters) segments of band with limited coverage receivers.
Model SC. 22 Meter Converter. Frequency Range: 144.148 MHz ; If Range: 14.18 MMz ; Supplied with 43.333 and 43.666 MHz Crys. tals: Power: Requires 15.18 Volts $O C$ at 40 ma; Input and Output Impedance: 50 ohms; Gain: Nominally 20 db . Sire: $676 \mathrm{~L} \times 4 \mathrm{y}_{\mathrm{w}} \mathrm{x}$ $24{ }^{2 * H}$. Shpg. wt.. 2 lbs .
40 P 65488 No Money Down* ...... Net 86.00 Model SC. 66 Meter Converter. Sreauency Range: 49.5 .53 .5 MHz down approx. 3 db at 54 MHz ; IF Range: 13.5 to 17.5 MHz ; Supplied with: 36.0 and 36.5 MHz crystals; Power: Requires 15.18 volis $D C$ at 40 ma; Input and output impedance: 50 ohms; Gain: Nom. inally 20 db. Size: 67 名L $\times 4 K_{1} W \times 242^{\prime \prime} \mathrm{H}$ Shpg. wit. 2 lbs.
40 P65496 ... No Money Down* Net 71.00 Model CPS. 1 Solid-State Power Supply. For use with SC-2 and SC-6 converters. Silicon diode bridge circuit. Power Output: 15VDC at 100 ma. Size: $31 / 4 \mathrm{Lx} 4 \mathrm{~K}_{6} \mathrm{Wx} 2 \mathrm{~K} \mathrm{~m} \mathrm{H}$. Wt., 2 lbs. 40 P 65504

Net 19.75


Made especially for the Mam and short wave listener. Comfortable, removable and replace. able vinyl foam ear cushions make long hours at the rig a pieasure. Dual impedance, 600 and $4-10$ ohms, can be changed at plug. Shpg. wt., $21 / 2$ lbs.

Net 24.95

## 40 P 85015 <br> QUALITY CLOCKS FOR YOUR AMATEUR STATION

24-HOUR ELECTRIC WORLD CLOCK
-8" Overall diameter 10 95 - Adjustable for Various Time Zones

- South Polar Projection Self starting, accurate electric clock. Tells world-wide and local time. Calibrated in hours- 1 to 24, minutes and seconds- 1 to 60 . Black dial with white graduations. Chrome plated case. U.L. Listed. $110-120$ v. $60 \mathrm{~Hz} \mathrm{AC}. \mathrm{Shpg}. \mathrm{wit}$, 2 lbs .
13 P 26024
 24-HOUR TYMETER CLOCK

Only
$16^{00}$
Numeral type, 24 hour station clock. Self slarting electric. Oome shaped full vision window. Ul ilsted motor and cord. For $110 \mathrm{~V}-60 \mathrm{~Hz}$. $4 \times 4 \times 73 / 4{ }^{\prime \prime}$. Shpg. wt., $2 \frac{3}{4}$ lbs.
40 P 91021

WORLO TIME ILLUMINATED ELECTRIC WORLD CLOCK

only $69^{25}$
Modern, international electric wall time clock, showing the local time in 70 key areas around the world instantaneously and simultaneously 24 hours a day. En. larged vivid time indicators for continental U.S. time 2 ones. Clock automatically compensates for daylight savings time and indicates A.M. and P.M. hours. Set in handsome walnut frame. tluminated. Powered by a heavy duty $115 \mathrm{~V}, .60 \mathrm{~Hz}$ AC clock motor. Size: $152 / 2 \mathrm{H} \times 221 / 4 \mathrm{~W} \times 4^{\prime \prime} 0$. Shpg. wt., 15 Ibs . 40 P 30011 No Money Down*

Net 69.25
24 HOUR CALL-IOENT TYMETER CLDCK

- 10 Minute Repeat Timer 2350


24 -hour direct reading diat shows minutes and hours. 10 - minute repeat timer buzzes warning to sign your call letters. Yimer independently $\$$ witched. Self-starting electric. For $110-120 \mathrm{~V}$. 60 Hz AC. Wainut finish plastic case. Size: $71 / 4 \mathrm{Wz} 4 \mathrm{~Hz} 4^{\circ} \mathrm{D}$. 40 P 91013 Shpg. wt., 3 lbs.

# Amateur Base Station Antennas and Accessories 

## LaFAYETTE ALL-BAND VERTICAL TUNEABLE 10 TO 80 METERS ANTENNA

\section*{$|$|  |  |
| :---: | :---: |
| Only |  |
| O |  |}

- Omni-Directional, Vertically Polarized
- Irridite Treated To Mil Specs


Our best buy multi-band antenna. Can be tuned to any amateur band 10 throush 80 meters by a single adjustment. Has amazing efficiency for $D X$ or local contacts. Ground or roof top or tower installation. Can survive winds in excess of 50 mph . Overall helight $18^{\circ}$ : knocks down to only $5^{\circ}$. Uses $31 / 2^{\prime \prime}$ diameter air wound coll as matching in. ductor. All steel parts irridite treated to mil Specs. Impedance 52 ohms. Maximum power 1000 watts AM or CW-2 KW PEP. Omni-dI. rectional; vertically polarized. 40 P 01046 W Shpg. wt., $44 / 2 \mathrm{lbs}$. Net 15.95

## CUSHCRAFT "TRIK STIK" ANTENNA

## $8^{95}$

- For Amateur, SWL, TV, FM, Business Radio, CB, VHF Low and High band monitor, Aircraft Reception
Universal antenna designed for vertical or horizontal mounting. All aluminum construction. Supplled with U-bolt, bracket, and hardware for mounting on a mast or tower. Can also be mounted to a bullding using nalls or screws. 2.54" element sections, $2.51^{\prime \prime}$ element inserts, $23^{\prime \prime}$ support boom. Complete instructions for frequency settings. 40 P 19188 W Shpg. Wi., $23 / 4 \mathrm{lbs}$.

Net 8.95

## HY-GAIN 18 AVT/WB $10-80$ METER WIOE BAND VERTICAL ANTENNA

- Automatic Switching, 5 Band Capability
- True $1 / 4$ Wave Resonance On All Bands

Ruggedly constructed of heavy duty tapered swaged seamless aluminum. Delivers outstanding wide band omni-directional performance. Automatic band switching is accomplished by uslng three beefed-up HY-Q traps. Features top loading coll; $1 / 4$ wave resonance on all bands; SWR of $2: 1$ or less; low radiation angle on roof or ground mounted. Antenna helght 25 ft . Wi., $161 / 4$ tos. 40 P 31290W

## Net 59.95

MOOEL 14 AVO/WB 10 THRU 40 METER HY-Q TRAP VERTICAL ANTENNA Self supporting. heavy duty aluminum automatic band switching vertical delivers omni-directional performance on 40 through 10 meters. HY-Q traps for $1 / 4$ wave resonance on all bands. Low radiation angle. $12^{\prime \prime}$ double grio mast bracket insures rigidity whether roof or ground mounted. 18 ft . high. Wt, $91 / 4 \mathrm{lbs}$. No Money Down*
40 P 31308 W
Net 39.95
RODF MOUNTING KIT FOR 14 AVQ/WB includes 5 ft . mast, roof mount, ground plane radial wires, Insulators, and all necessary hardware. Shpg. wt., 8 lbs
40 P 39050 W
 Net 19.95

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HY-GAIN BN-86 BROAD BAND FERRITE BALUN
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## $59^{95}$

No Money Down*

## OELUXE MOSELY TA SERIES BEAM ANTENNAS FOR 10, 15, 20 METERS

Deluze Model TA 33. 3-element beam providing up to 8 db gain on the 10 , 15 and 20 meter bands. Trap design provides broadband performance and stablitity beam easily handles a full killowatt of AM slgnal. 25 db front-toback ratio. SWR $1.1 / 1$, or less, at
 ment length 28 It . Shipg. wt., 39 lbs . 40 P 58020 WXY No Money Down.

….....Net 143.30 enel Ta-33 "Junior," similar to above, but only 300 watts AM. 800 m rength 12 ft . Element length $26^{\circ} 8^{\circ \prime}$. Shpg. wt., 25 lbs . 40 P 58038 Wxy No Money Down*

Net 100.00 Delure Model TA36 6 Element Beam. Automatic band switching through high impedance parallel resonant trap circuits. Handles 1000 watts AM/CW or 2000 watts PEP. SWR $1.5 / 1$ or befter. Beam length 29 ft ., boom length 24 ft . Shpr. wt., 71 lbs.

## 40 P 58079 wXY No Money Down*

Net 185,10

## CUSHCRAFT 2 AND G-METER FM RINGO ANTENNAS

AR-2 2-METER FM RINGO ANTENNA. Power ring funing gives a perfect match between cable and antenna. Ringo also features a 52 -ohm direct coaxial feed, $5^{\prime \prime}$ ring diameter, 3.75 ob gain, low angle of radiation, and direct $O C$ ground. Takes PL-259 fifting. Factory preassembled and ready to install. Takes up to a $12 / 4^{\prime \prime} 0.0$. mast. $42^{\prime \prime}$ length at 147 MHz . ( $1 / 2$-wave length). Supplied with chart for setting to frequency. 100 watts. Shpg. wt., 2 lbs
40 P $19253135-175 \mathrm{MHz}$
Net 12.50
AR-6 6.METER FM RINGO ANTENNA, Same as AR-2 except for 6 -meters ( $50-54 \mathrm{MHz}$ ). Shpg. wt., 4 lbs.
$40 \mathrm{P}\{93035054 \mathrm{MHz}$

## Net 18.50

## CUSHCRAFT BEAM ANTENNAS

FOR 2 and 6 METERS
Model A50.5 5-Element, 6 Meter Beam. Deluxe, rugred, full size, constructed of $3 / 4^{\text {" }} 0.049$ wall aluminum fubing. 800 m is 0.058 wall drawn aluminum. Oriven element is "Reddi" matehed for direct coax feed. Light enough for any heavy duty TV rotator. Turning radius- $7^{\prime} 6^{\prime \prime}$; Forward Gain $-9.5 \mathrm{db} ; 7 / 8$ ratlo- 29 db . Comes with all parts marked for quick, neat assembly and center band operation. Shog. wt., 12 lbs.
40 P 19121 w

$$
\text { Net } 29.50
$$

Model 144 -4 4-Element, 2 -Meter Yagi. 9 db forward gain. F/B ratio 20 db . Boom length 44". Rear bracket for mast or tower side mount. 52. ohm Reddi-Mateh takes PL. 259 connector. 1000 watts. Wt., 3 lbs 40 P 19279W 146-148 MHz ..........................................Net 9.95
MOOEL A144-7 7 ELEMENT 2-METER 8EAM. Full size. Aluminum tubing. Beam length, 98 ". Forward gain 11 db F/B ratio 26 db . Shpg. wt., 4 lbs 40 P 19139W ...................................................................... 93.95
Model A 47-11 11 -Element, 2-Meter Yagi. 13.2 db forward gain. F/B ratio 20 db . KW match for direct 52 -ohm coax feed. Takes Pi-259 connector. 800 m length $144^{\prime \prime}$. Turning radius 7 ft . Shpg. wt., 6 Ibs. 40 P 19287 W 146-148 MHz.
.Net 17.95
Model A147-22 22-Element, 2-Meter Yagi Array. Uses 2 Al47.11 yagis with horizontal mounting boom, coax harness and hardware. Forward gain $16 \mathrm{db}, \mathrm{F} / \mathrm{B}$ ratio 24 db . Size: $144 \times 80 \times 40^{\circ}$. Turning radius $60^{\circ}$. 52 -ohm feed takes $\mathrm{Pl}-259$ fltting. 1 KW . Wt., 14 lbs.
40 P 19295 W 146-148 MHz.
Net 49.50


MOOEL TR 44 ANTENNA ROTOR For single bay amateur antenna ad. plicatlon. Rotator contains 48 heavy duty bearings in two $61 / 2^{\circ}$ ball races, 450 in-lbs average torque. Indicator is calibrated in compass points and $3^{\circ}$ increments. Double stage switch allows meter reading White motor is off. For mast or pipe to $2 \mathrm{~K}_{4}$ " D.D. For 110.120 V . 50.60 Hz . Less cable. Shpg. wt., 20 lbs .
40 P 83028W No Money Down*
Net 69.95
HAM M ANTENNA ROTOR-Heavy duty rotator. Meets all amateur radio applications Supports antennas up to 1000 lbs. Uses same com. pass indicator unit as the TR.44, calibrated in $3^{\circ}$ increments. Heavy duty stainless steef gears and pinions, solenoid brake release. For $110-120 \mathrm{VAC}, 50-60 \mathrm{~Hz}$. Shpg. wt., 26 lbs .
40 P 83010 W No Money Down*
Net 129.95
100 ft . roll of 8 cond. cable for TR-44. HAM.M Shpg. wt., $53 / 4 \mathrm{lbs}$. Net 10.26
${ }^{-}$See Page 23 for Full Details on Easy Pay Plan

# Mobile Ham Antennas - Shortwave Antennas and Accessories 

# LAFAYETTE 6 METER MOBILE ANTENNA 

## NEW-TRONICS "HUSTLER" MOBILE ANTENNAS FOR 10.15-20-40.75 METERS



- "Rapid. Grip" Mount Provides Permanent Antenna Installation In Seconds Without Drilling Holes
- Fold Over Swivel Mast
- Power Rating Up To 400 Watts SSB

An outstanding antenna assembly permitting multi-band mobile operation with exceptional results. Buy only one mast and select the resonators for the bands you operate. No need for matching devices, use any feed line length of $52-0 \mathrm{hm}$ cable. Each of the five resonators has a coil specially designed for maximum radiation for a particular band. Center frequency tuning is by means of an adjustable stainless steel rod in the resonator assembly. The 54 -inch fold-over, heat treated, $1 / 2$ " aluminum mast permits in. stantaneous interchange of resonators for the desured band. SWR is less than 2 to 1 for any center frequency within each band. Power Rating: AM input 75 watts; SSB input up to 400 watts PEP. Mast has $3 \mathrm{~m}^{\prime \prime}-24$ base stud to fit all standard mounts.

| Stock No. | Model No. | Description | Wt. | Net |
| :---: | :---: | :---: | :---: | :---: |
| 40 P 55018\% | MO. 1 | 54" Mast Fender Mount | lbs. | 12.50 |
| 40 P 55026 W | M0. 2 | 54* Mast Bumper Mount | 21/4 lbs. | 12.50 |
| 40 P 55034 | RM-10 | 10 Meter Resonator |  | 8.50 |
| 40 P 55042 | RM-15 | 15 Meter Resonator |  | 9.50 |
| 40 P 55059 | RM-20 | 20 Meter Resonator |  | 10.50 |
| 40 P 55067 | RM-40 | 40 Meter Resonator | 13/61bs. | 12.50 |
| 40 P 55075 | RM-75 | 75 Meter Resonalor | 13/4, lbs. | 14.50 |

## HY-GAIN SW-9 SHORTWAVE WINDOW ANTENNA

- Includes Universal Window Mounting Bracket The ideal shortwave antenna for window installations, where root-top antennas are impractical or cannot be used. Provides broadband performance comparable with other larger installations. Consists of one 9 foot aluminum tubular element with a universal mounting bracket and feedine. Simple to install. Answers the problems of apartment dwelling SWL's. 40 P 31183W Shpg, wt., $31 / 4$ lbs.

Net 9.95

## HY-GAIN SW-6 SHORTWAVE ANTENNA

## - Flaf Tod Design

 A completely assembled antenna, ready to Install. Scientilically tuned for 1.8 to 30 MHz coverage. Can be installed on any existing structure: pole-to-pole, pole-to-tree, garage-to-house, underthe eaves, in the attic sists of 50 ft . copper wire attached at both ends to low-loss sty. rene insulators. $15^{\circ}$ weather-proof rope on each insulator, plus lead. in feedline. Shpg. wt., 2 los 40 P 31175

Net 6.95

## MOSLEY MODEL SWV-7

 FIXED VERTICAL SW ANTENNA
## Only $40^{00}$

- For Ronf or Ground Mounting

Model SWV-7 is designed for 11, 13. 16, 19, 25, 31, and 49 meters. Six specially designed trap assemblies, housed in a single weatherproof phenolic casing assure broad band coverage for top $D X$ performance. Antenna incorporates only the finest alloy aluminum tubing, telescoped and swaged to reduce wind vibration. Molded plastic cap prevents water from entering element. Height: $13^{\circ} 3^{\circ} \%^{* \prime}$, Ground is required. Shpg. wt., 8 lbs .
40 P $58095 W$ No Money Down*
Net 40.00

## ANTENNA DUMMY LOAD

- 100 Watts Continuous, 1250 Watts with Fan Cooling
- 52 Ohm Load
oniv $17^{95}$


A must for troubleshooling your rig. 52 ohm non-inductive load for easy RF power checks. Freq, Range: $0-100 \mathrm{MHz}$. 1.020 VSWR at $10 \mathrm{MHz}, 1.190$ VSWR at 100 MHz . Size $7 \times 2 \times 178{ }^{\circ} \mathrm{H}$. Wt., 1 ib 42 P 21164


$12^{95}$
Matches 5 Bands With Your Car Antenna
Now you can monitor 5 bands with your regular outside mounted or windshield car antenna! The "Monitor-Match" with your car antenna accomplishes the functions of five antennas through electronic isolation and impedance matching. Optimized performance is provided in separate outputs for AM/FM Radio, UMF 300-500 MMz, High Band Police 140.175 MHz, and Low Band Police 25-50 MHz. Supplied with cables for AM/FM radio and monitor receiver. Size: $17 \% \mathrm{H} \times 37 \mathrm{WW}$ $13 / a^{\circ} \mathrm{D}$. Shpg. wt., 1 to
40 P 55158

VHF and SHORTWAVE
ANTENNA TUNER
Only $9^{95}$

- Works With Any Antenna Type
- Improves Reception On All Major Shortwave, Monitor, and Amateur Bands
Installs on any receiver in minutes. Permits antenna (especially indoor types) to operate efficiently on many irequencles. Greatly Improves reception by increasing receiver sen sitivity to weak signals, as well as, rejecting interference and annoying "image" signals, Covers following bands: Shortwave (meters) $-13,16.19,25,31,41,49$ and 60 ; Amateur (meters)-10, 15, 20, 40 and 80 plus all fre. quencies from 3 MHz to 30 MHz , Including Marine, Public Safety, Citizens Band, Avla tion and all other high-frequency services 42 P 21073 Shpg. wt., $1 / 2 \mathrm{Ib}$....Net 9.95


## Lafayetie 5 POSITION COAXIAL SWITCH

ONLY $10^{95}$

- Frequency Range to 50 MHz
- Low Loss
- Grounded for Static Elimination
- 1 KW Power Rating
- Single Gang, Single Pole

Instanlly selects any one of five transmitters antennas. exciters, receivers. or transcelvers using 52 to $\mathbf{7 5 - 0} \mathrm{hm}$ line. Single gang, single pole with positive ground. Rated 1 KW amplitude modulated. All positions not in use are grounded for static ellmination. Long life, low loss ceramic switch. Complete with contrasting pointer knob and bracket for wall or panel mounf. Size: $44 / 2 \times 3 \% \times 35 \%$ ". Shpg, wh. $3 / 4 \mathrm{lb}$. Size: 41/2 $x 8$
40 P 01228

## Amateur Station and Antenna Accessories


(A)

(C) $18^{75}$

wzau broad band baluns
(G)
$12^{95}$

B8.W 425 Low Pass Filler $24^{55}$
(B)

Ameco HP45 High Pass Filter

(D) 150

Johnson 250-39 TR Switch

(F)
$29^{95}$
(H)
(a) Lafayette Coaxial Antenna switch-instantly selects any one of live transmitters, antennas, exciters, receivers or transceivers using 52 or 75 ohm Une. Single gang, single pole. Unused positions grounded for static elimination. Rated 1 KW , Shpg. wt., $3 / 1 \mathrm{lb}$. 40 P 0122 B

Net 10.95
(B) BLW 425 Low Pass Filter-usable with transmitters to 1 KW. Comoletely self contained-eiliminates TVI. 85do attenuation. For 52 ohm coax. Shpr. wt., 2 lbs.
40 P 16085
Net 24.95
(C) Drake TV-1000LP Low Pass Filter-handes $1 \mathrm{KW}: 160 \cdot 10 \mathrm{M} .200$ watts on 6 meters. Shpg. wt., 2 lbs. 40 P 65140

Net 18.75
40 P 65132 -0rake TV-42.LP-handles $100 \mathrm{w}, 160.10 \mathrm{M}$ Net 7.65 (D) Ameco $\mathrm{HP}-45$ - High Pass Filter-For attenuation of 40 db at 14 MHz and 200 b at $28 \mathrm{MHz}, 300$ ohms. Shpg, wt., 3 or.
40 P 10054
Net 1.50
(E) Johnson 250-23-3 "Matchbox" Antenna Coupler-For 80, 40, 20, 15 and 10 meters. Matches balanced lines 25 to 1500 ohms and unbalanced lines 25 to 3000 . Reads SWR. TR relay 750w PEP with direc. tional coupler, Shpg. wt. 97/4 lbs.
40 P 46082 - No Money Down*
Net 94.95
(F) Johnson 250-39 IR Switch-Provides instantaneous high efficiency electronic antenna switching. Rated at 4 KW . Instant break-in on SSB, OSB, CW, and AM. ShDg. wt., 44/2 lbs. 40 P 46181

Net 29.95
(G) W2AU BROAO banos baluns-A transmitter and receiving balun with bulit in lightning arrester, and stainless steel hardware. Properly balances all coax fed antenna systems. Handles 1 KW AM/CW, 2KW PEP. Completely weatherproof, withstands 650 lbs. of antenna lension.
BALUN I-1:1 model matches 50 or 75 ohm unbalanced to 50 or 75 ohm balanced load. Shpg. wt., $1 / 4 \mathrm{lb}$. 40 P 47023

Net 12.95
BALUN $11-4: 1$ model matches 50 or 75 ohm unbalanced coax line to 200 or 300 ohm balanced load. Shpg. wt., $3 / 4 \mathrm{lb}$.
40 P 47031
Net 12.95
(M) Solderless PL-259 Low-Loss Coaxial Connectors.-Two types-Fits elther RG58/U or RG59/U cable, Quick, easy connections. No fuss, no bother, no adapter, no soldering required. anpg. wt., 4 oz. 42 P 69106 Solderless PL259 for RG58/U Cables Net ea. . 79 42 P 69114 Solderless PL259 for RG59/U Cable

Net ea. . 79

## AMATEUR CRYSTALS, COILS, AND COAXIAL CONNECTORS Amateur crystal PURCHASE CERTIFICATES



Send illied out certificate, one for each crystal, to manufacturer, Manufacturer will ship crystal directly to you. Dostage oard. Available in types $/ T .243$ and HC-17/U (pin diam., $093^{\circ}$ ), and HC.6/11 (pin diam., 050"). Pin spacing $.486^{\prime \prime}$ for all types. Tolerance $\pm 500 \mathrm{~Hz}$ at designated frequency. Mo C. 0.0 .'s-allow 30 days for delvery. Specily ezact frequency with your order. specily FT-243, HC-17/U or HC-6/U type on Certificate.
40 P 54011 Y 3500.4000 kHz
Net 2.95 $40 \mathrm{P} 54029 \mathrm{Y} 7000-7425 \mathrm{kHz} \quad$ Nei 2.95 40 P $54037 \mathrm{Y} 8.8 .2 \mathrm{MHz}, 8.33-8.9 \mathrm{MHz} \mathrm{Net} 2.95$

## CRYSTAL SOCKETS

These Steatite insulated sockets will strongly hold the crystal contacts. Can be used for chassis or for panel mounting. The bushing will project through a round hole in panel. Av. shog. wt., 2 oz.

| Stoch No. | Type | Pin | Spacing | Each |
| :---: | :---: | :---: | :---: | :---: |
| 40 P 37123 | CS-8 | .125" | $750^{\prime \prime}$ | . 45 |
| 40 P 37131 | CS-6 | .095" | 486" | 45 |
| 40 P 37149 | CS. 5 | .125* | . $500^{\prime \prime}$ | 45 |
| 42 P 09011 | CS.7 | .050" | 486" | . 45 |

## CRYSTAL HOLDER ADAPTERS

Mosley 5.75 adapts $1 / 2^{\prime \prime}$ spaced holder to $3 / 4^{\prime \prime}$ spacing. Shpg. wt., 2 ozs.
40 P 58046
.Net .75
Mostey 75.5 adapts $7 / u^{\prime \prime}$ spaced holder 10 socket with $1 / 2{ }^{\prime \prime}$ spacing to octal socket. Shpg. wt., 2 ozs.
40 P 58053 .............................................. 75

# UNMMETRICS Marine Electronic Equipment And Accessories 

## Deluxe SEAvox-25 12 Channel 25 Watt Solid-State

 VHF/FM Marine Radiotelephone
## $469^{95}$

No Money Down*

- Priority Button For Instant Monitoring


## On Any Channel

- Factory Pre-Tuned And Pre-Aligned
- Solid-State Modular Construction
- FCC Type Accepted For Rules Parts 81 and 83

Especially designed for marine use, the Seavox-25 features a special Front Panel "Priority" push button for instant monitoring of U.S. Government E.S.S.A. marine weather stations or any other presetected channel. 25 watt output 12 channel radiotelephone VHF/FM operation from 156 to 162.55 MHz . Variable squelch and built-in speaker. Special low power 1 watt level for harbor operations. Operates on 13.8 volts negative ground $O$ C. Self contained power supply and remote control provisions. Supplied with the following frequencies: CHANNEL $6-156.3 \mathrm{MHz}$. Intership Safety Channel, CHANNEL $16-156.8 \mathrm{MHz}$. Intership and Ship-To-Coast Safety and Calling Frequency, CHANNEL WX -.162 .55 MHz . Official U.S. Weather bureau forecasts. Simpliffed maintenance with individual modules and special transmit and receive test sockets. Pre-funed and aligned


For " "Do-it-yourself" installation with recommended antennas. Housed in a watertight metal cabinet with corrosion resistant components. 31 transistors, 15 diodes, 1 th and 1 FET. Supplied with heavy duty mounting bracket, push-to-talk microphone, oC cable and three crystals. Size: $90 \times 9 \mathrm{wx} 31 / \mathrm{ch}^{\prime \mathrm{H}}$. Imported. Shpg. wt ., 8 los. 40 P 69076 W
Additional Transmit and Receive Crystals For Shipboard Use Specify Channel. Allow 3 weeks for Delivery.
40 P 69084YZ

## SHAKESPEARE MARME VHF-FM FIBERGLASS ANTENNAS

- For Wood, Fiberglass, or Metal Boats
Money Down * 3db Gain 1/2 wave center-fed white fiber-. glass marine antenna. Needs no ground plates. Power rating 50 watts. Frequency range 156-163 MHz . 52 ohms impedance. Height 5 ft . May be deck or side mounted. With 20 ft . cable and PL-259 con. With 20 ft . cable and PL-2
nector. Shipg. wt., 2.3 lbs . 40 P 27033 ...............Net 45.00 Same as above. except for mast mounting and $60-\mathrm{ft}$. cable. Shpg. $w 1 ., 2.7$ ibs. No Money Down* 40 P 27041

DEEP
UNIMETRICS SEADEEP DEPTH INDICATOR with Built-In Depth Alarm $129^{95}$
No Money Down*


- Indicates Depths 0 to 200 Ft .
- Depth Alarm Sounding $11 / 2$ to 40 Ft .
- Operates on 8 "C" Cells or 12 Volt DC Negative Ground Reduces the risk of running aground. Bulltin buzzer alarm system may be pre-set to any depth from $11 / 2$ to 40 ft . For use with any type of vessel, either power or sall. Watertight corrosion resistant construction. 1,440 soundings per minute or 24 per second. Unit size: $6 \times 61 / 2^{\prime \prime} \times 642^{\prime \prime}$. Transducer: $2 \frac{1}{2}$ dia. $\times 61 / 4^{*}$ long. Imported. Shpg. wt.0 $41 / 2 \mathrm{lbs}$.
40 P 69100 Less batteries. Net 129.95 "C" Batteries for Portable Use (8 req.)
99 P 62572


## UNMEETRCS SECCALL 70 Watt Power Hailer and listening Device

- Automatic and Manual Fog-Horn
- Intership Intercom Facilities
- Separate Intruder Alarm Switch

Designed to be used for voice communication between vessels separated by fog, darkness, distance, noise or inclement weather, of for communication whth matina when docking. Sounds a continuous fog horn signal every 3 seconds. Also features intruder alarm provisions. Auxiliary input for tape player. FM funer, etc. Watertight construction. 30 watt projector/speaker has $90^{\circ} \times 120^{\circ}$ dispersion. Size Speaker, $11 \mathrm{H} \times 61 / 2 \mathrm{~W} \times 812^{2} \mathrm{D}_{\text {; }}$ Hailer Amplifier, $31 / \mathrm{HH} \times 9 \mathrm{~W} \times \mathrm{g}^{n} \mathrm{D}$. Imported 40 P 69092 w Shpg. wt., R los. Net 185.90

## UNIMETRICS PORTA-UXX HAND-HELD POWER LIGHI

## $34^{95}$

No Money Down*

- Quartz lodine Bulb
- Stainless Steel Housing
- 15 ft. Self-Coiling Cable

Utilizes the revolutionary new quartz lodine bulb thal is 3X's brighter and lasts 212X's longer than the conventional seated beam. Capable of projecting a brilliant beam of light more than $3 / 4$ of a mile. Corrosion proof stainless steel housing. Wide $6^{\circ}$ diameter face. Plugs into cigarette lighter. Rubber cov. ered on/off switch. Dnly $21 / 2^{\prime \prime}$ deep. Dperates on any 12 V oC system. Imported. Shpg. $\mathrm{wt}_{\mathrm{o},} 21 / 2 \mathrm{lbs}$.
40 P 69183
Net 34.95

$185^{50}$
Including Hailer, Projector Horn, and Microphone
No Money Down*

> RADIO/COMPASS DIRECTION FINDER

## $19^{95}$

With Battery and Earphone

- Accurate Navigation Day or Night
An all-in-one navigation system at a low, low price that boaters, fishermen, hunters, hikers, and pilots can now easily afford. Operating on the broadcast band you can home in on stations, flx your position, or correct your course- to compensate for drift, current or defours. Features fluid compass with azimuth points marked in $5^{\circ}$ increments. Large rotating outer azimuth ring marked in $1^{0}$ increments. Operates on inexpensive 9 volt battery (included). Includes earphone for private listening. Solld-State Circuitry. Shpg. wt., $21 / 2 \mathrm{lbs}$.
42 P21099L
Extra 9 V battery for above.
99 P 60212
Net 19.95
-Sec Page 23 for Full Details on Easy Pay Plan


## LaFAYETTE POLICE AND FIRE DUAL BAND SOLID STATE FM RECEIVER

 2 RECEIVERS IN 12 BANDS:

Model PF-200A

## oun1030 <br> No Money <br> Down ${ }^{\circ}$

- 117VAC and 12 VDC
- 2 IC + 1 FET + 19 Transistors + 10 Diodes
- Separate, Large Tuning Dials
- Sensitivity, Less Than $1 \mu \mathrm{~V}$. for 20 db Quieting
- Tape Recorder Output Jack
- Headphone Jack for Private Listening
- Receives U.S. Weather Bureau Reports

Lafayette's superb dual band, FM monitor receiver has been especial. ly engineered for outstanding performance and dependability. The PF.200A covers both the high and low VHF communications bands, is fully tuneable and can be crystal controlled for reception of any two frequencies in either band. It also tunes to and receives 162.55 MHZ U.S. Weather Bureau reports in parts of the country where these reports are broadcast. The PF-200A features a highly sensitive superheterodyne circuit that includes tuned RF and mizer stage with F.E.T. for excellent sensitivity throughout the complete band, 3 ceramic IF filters for exceptional selectivity, and an integrated circuit for efficient FM detection. Its $100 \%$ solid-state design offers lop reliability and instantaneous monitoring of, and response to, emergencles. Built-in universal power supply assures continuous monitoring under any conditions since it operates on
both 117 VAC and 12 VDC (negative ground only). The front panel leatures two large individual tuning diats for low and high bands, 2 selector switches for Xtal or tuneable reception, one for each band, and a variable Squelch control that lets you silence the re. ceiver during no signal conditions. The PF-200A is also distinguished by professionally designed neatly contrasting front panel, hnobs and enclosure. A large built-in speaker, an external phone jack for private listening and a tape recorder output iack are also included.
 99 P 2617 iw Less Crystals. See Below for Crystals...... Net 103.00 Ground Plane Antennas. Shpg. wit., 4 lbs.
$40 \mathrm{P} 01178 \mathrm{~W} \quad 30.50 \mathrm{MHz}$
HHz plus $450-470 \mathrm{MHz}$
Net 9.50 40 P 01160 W 130-174 MHz plus $450-470 \mathrm{MHz}$....... Net 7.50

## LAFAYETTE POLICE AND FIRE 3-BAND FM RECEIVER

## ONLY

 17995

Model PF-300

## CRYSTAL CONTROL PLUS TUNEABLE RECEPTION

- For 117 VAC Base Station and 12 VDC (Negative ground only) Mobile Operation
- 2 IC's +3 FET's +20 Transistors +11 Diodes
- Sensitivity: $1 \mu \mathrm{~V}$. for 20 db Quieting - Adjustable Broad and Sharp Selectivity On All 3 Bands
- Illuminated Jewel Indicators for UHF, VHF and Low Band Modes
- Headphone Jack for Private Listening

An outstanding universal FM monitor receiver for the 450.470 MHz UHF band, $144-174 \mathrm{MHz}$ VHF band and $30-50 \mathrm{MHz}$ low band. The PF. 300 is fully tuneable and can be crystal controlled on two frequencies on VHF, and on low band or UHF; or on two VHF, one UHF and one low band frequencies. Receives U.S. Weather Bureau reports on 162.55 MHz. In parts of the country where they are broadcast. May be tuned to either wide or narrow-band razop-shapp selectivity. Front panel features large tuning dials-one for $144-174 \mathrm{MHz}$ and one for $30-50$ and $450-470 \mathrm{MHz}_{\text {; }}$ concentric selector switches that select the desired band and selectivity; switches for crystat or tuneable reception for each band; and variabie squelch control that silences the receiv-
er during no-signal conditions. The PF- 300 also features a large builtin speaker, phone jack for private listening, tape recorder output jach, and UHF, VHF and Low Band antenna jacks. A built-in universal power supply permits operation on 117 VAC and 12 VDC (negative ground only). Size: $137 / 6 \mathrm{w} \times 711 / 12 \mathrm{O} \times 41 \mathrm{H}_{16}{ }^{\prime \mathrm{H}}$. Imported.

99 P $26163 w x$ Less Crystals. Shpg. wt., 11 IV Ibs. Net 179.95
Ground Plane Antennas. Shpg. wt., 4 lbs.
40 P 01178W $30-50 \mathrm{MHz} \ldots .$. Net 9.50
40 P $01160 \mathrm{~W} 130-174 \mathrm{MHz}$ plus 450.470 MHz Net 7.50

> MONITOR CRYSTAL CERTIFICATE FOR LAFAYETTE AND FOR ALL OTHER MAKES OF POLICE, FIRE, WEATHER, ETC. MONITOR RECEIVERS.

# MONTIOR 

# POLICE AND FIRE SOLID-STATE MONITOR RECEIVERS 

## T $\rho \int$ MICRO P-100A ( 148.174 MHz ) MICRO P-50A ( $30-50 \mathrm{MHz}$ )

NOW ... with Even BETTER Noise Limiting!
Tuneable Plus 2 Crystal Positions


Base: For Home, Office, etc.


Base: For Home, Office, etc.

## Only <br> $89^{95}$

No Money Down*

- Self-Contained 117 Volt AC and 12 VDC Supply
Discover the everyday heroics in your community! Lksten and thrill to the excitement of urgent police broadcasts, fire squads in action, to ambulances and to other public service communications on Lalayette's "Micro" monitor receivers. Monitor the U.S. Weather forecasts and disaster warnings on the Micro P.100At. Their compact sire ( $174+\mathrm{H} \times 47 / 2 \mathrm{~W} \times 73 / \mathrm{s}^{\prime} \mathrm{D}$ ) permits convenient mobile and base operation. Exceptional features incluode tuneable plus 2 crystal receive positions. sensitivity of $0.7 \mu \mathrm{~V}$ for the Micro P-50A and 1 $\mu \mathrm{V}$ or less for $20 \mathrm{db} S+\mathrm{N}^{\mathrm{N}} \mathrm{N}$ for the Micro P -100A , 3 ceramic If filters for superior selectivity, variable squelch, 2 -watt audio output, and professional styiling with an attractive illuminated dial.
- Hear U.S. Weather Forecasts on Micro P-100A $\ddagger$
Advanced design circultry for superior limiting and noise reduction. The weaker stations are heard more clearly than ever. The Micro P-50A and Micro P-100A include built-ín fused 12 VDC (neg. ground) and $117 \mathrm{VAC}, 60 \mathrm{~Hz}$ supplies, power cables and mounting bracket. Easy portable operation with optional power pack. Imported. Shpg. wt., 5 lbs.
Micro P-100A (148-174 MHz)
99 P 26197 W
Net 89.95
Miero P-50A ( $30-50 \mathrm{MHz}$ )
99 P 261 B9w
Net 89.95 tion In your area. See Below for Accessories.


## MICRO P-450 (450-470 MHz)

## Only $89^{95}$

 No Money Down*- Self-Contained 12 VOC Supply
- Dperates on 117 VAC with Optional H8-512 Base Power Supply


Mobile: For Car, Truck, Boat, etc.

## Tuneable Plus 2 Crystal Positions

[^25]cludes power cables and mounting bracket. Size: $13 / 4 \mathrm{H} \times 47 / 6 \mathrm{~W} \times$ 7\%/2"D. imported. Shpg. wi., 5 lbs.
99 P 25843 W Micro $P .450$ ( $450-470 \mathrm{MHz}$ )

## ACCESSORIES FOR MICRO P-50A, MICRO P-100A, and MICRO P-450

HB-509A Portable Battery Pack with shoulder strap, battery strength meter and antenna. Less batteries. Shpg. wt., $31 / 2 \mathrm{lbs}$. 99 P 32260 For Micro P-50A, P-100A, and P- 450 .... Net 23.50 Alkaline Batteries for MB-509A (B req.). Shpg. wt., 402 . ea. 99 P 63802
Alternate Nicad Batteries for MB-509A (10 req.).
32 P 48887 Shpg. wt., 5 oz. ea.

M8-512 AC Supply permits operation of Micro P-450 on 117 volt AC 60 Mz and charges nicad batteries used in HB-509A.
99 P 32278 Shpg. wt., 5 lbs.
Net 19.95 CRYSTAL CERTIFICATE FOR MICRO P-50h, P-100A and P-450. Send filled-out certificate, one for each crystal, to the manufacturer. Mfr. will ship crystal directly to you, Dostpaid, within 30 days. Specify Exact Monitoring Frequency. 40 P 82103Y No C.O.D.'s

# FROM <br> unumetres DIGI SCAN $4+41$ DUAL BAND MONITOR SCANNER 



Simultaneous Sequential Moniforing of 4 Channels
Each on Any $\underline{2}$ of 3 Bands!
$\star$ Listen to Police and Fire Calls on Any 2 of 3 8ands Simultaneously
$\star$ VHF, UHF or Low Band FM Interchangeable "Drop.In" Front-End Modules
$\star$ Front Panel Scan Rate Control

- Automatic Scanning Stops When a Signal is Received Continues Scanning After Transmission is Over

The DIGI SCAN $4+4$ exclusive bald flashing digltal readout indicator automatically seeks a voice signal on any of eight programmed channels, tour on each band. Digital Readout indicates which channel is receiving and after transmission is over automatically continues scanning. Enables accurate monitoring of Fire and Police, Local Government, Special Emergency, VHF/FIM Marine, Weather, Industrial Radio and Land Transportation Radio Services. The DIGI SCAN $4+4$ permits simultaneous monitoring of four channels each on any two out of three bands, or single band monitoring over a double spread of 14 MHz (VHF, UHF) or 10 MHz (Low Band). Among its many features are a front panel Scan Rate Control which speeds up or slows down the rate of scan; a front panel Priority Switch which when activated automatically samples your most important frequency (must be channel 1) every two seconds; individual Channel "Lock-Out" Switches for still further programmed listening; and VHF, UHF. or Low Band interchangeable "Drop-In" Front End Madules for exceptional thexi. bility, economy, and ease of servicing. The DIGI SCAN $4+4$ also features a pushbutton switch for selecting automatic of manual scanning mode; a built in speaker plus external speaker jack, and Pl-259 antenna jack.
Supplied complete with AC and DC line cords and mobile mounting brackef. Size: $9 \mathrm{~W} \times 3 \mathrm{yH} \times 7^{\prime \prime} \mathrm{D}$. For 117 VAC, 60 Hz and 12 VDC. Shpg. wt., $81 / 2$ lbs. Imported. Less crystals. For OIGI $5 \mathrm{CAM}^{4}+4$ oual and operation the highest trequency ordered for each band must te no more than 5 MHz above the lowest trequency ordered In the 30.50 MHz Eand, nor more than 7 MHz in the $\mathbf{1 4 7 . 1 7 4 \mathrm { MHz }}$ and $\mathbf{4 5 0 - 4 7 0} \mathrm{MHz}$ bands. Please specity the frequencies you wish to
$\star$ Front Panel Priority Switch
$\star$ Individual Channel "Lock-Out" Switches

* Digital Read-Out Indicates Channel Receiving a Signal
$\star$ Also An 8Channel Double Spread ( 14 MHz or 10 MHz )
Single Band Monitor Receiver
- Manual Channel Selection - Varlable Squetch Control
- Sensitivity: $0.5 \mu \mathrm{~V}, 30$ DB Quieting (UHF $=0.7 \mu \mathrm{~V}$ ).
menitor (up to 4 for each band) indicating the priortity frequency (your most impertant trequency). MO COD's.
For VHF ( 147.174 MHz ) + Low Band ( 30.50 MHz )
40 P 691262
Net 189.95
For VHF ( $147-174 \mathrm{MHz}$ ) + UHF ( $450-470 \mathrm{MHz}$ )
40 P69134Z Net 199.95
For UHF ( $450-470 \mathrm{MHz}$ ) + Low Band ( 30.50 Mmz )
40 P691422 Net 199.95
For oICI SCAN $4+4$-channel Singie Band Oouble Spread operafion you monftor frequencles within two 7 MHz spreads on UHF or VHF, and within two 5 MHz spreads on Low Band. Spreads do not have to be immediately adjacent to each other. spacify your most im. portant frequency which is always channot i and the additional frequencies you wish te monitor. No COO's.
40 P 691592 For Low Band 10 MHz Spread (30-50 MHz) Net 189.95 40 P 691672 For VHF 14 MHz Spread ( 147.174 MHz) ..... Net 189.95 40 P $69175 Z$ For UHF 14 MHz Spread ( $450-470 \mathrm{MHz}$ ).... Net 209.95 Interchangeable "Orop-In" Front End Modulas for oightscan $4+4$ and oigh Scan s. Shpg. wt., 6 oz . Imported.
40 P $69035 Z$ (For $30-50 \mathrm{MHz}$ ( 5 MHz Spread) .......Net 14.95 40 P 690432 For $147-174 \mathrm{MHz}$ ( 7 MHz Spread) ....Net 14.95 40 P 690502 For $450-470 \mathrm{MHz}$ ( 7 MHz Spread) ......Net 24.95 Crystal certiticate for Digi Scan $4+4$ and Digi Scan b. Flli one out for each additional frequency you wish to monitor and send to crystal mfr.
40 P 82103 y
Net ea. 5.95

- Digital Read-Out Indicates the Channel Receiving a Signal - Automatic Scanning Stops When a Signal is Received, Continues Scanning After Transmission is Over

The renowned Drgi Scan- 8 is identical to the Digl Scan $4+4$ above except that it is 8 channel single band, single spreat 0 MHz for VHF and UHF, 5 MHz for Low Gland) and does not have the Priority Switeh and Scanning Rate Control. Complete with mobile bracket, $A C$ and $D C$ line cords. Size: $9 W \times 31 / 4 \mathrm{H} \times 7=\mathrm{D}$. Shpg. wt., $81 / 2$ ibs Imported. For 117 VAC and 12 VDC. The Difi-Scan-8 operates properly within a 5 MHz spread in the 30.50 MHz Low Band, and within a 7 MHz spread in the $\mathbf{1 4 7 - 1 7 4} \mathrm{MHz}$ VMF band and in the $\mathbf{4 5 0}$ to 470

## UNIMETRICS DIGI SCANB FM/VHF and FM/UHF Monitor Scanners

As Low As $149^{95}$

No Money Down*

## 3 MODELS

- Listen to Police and Fire Calls on Any of 3 Bands
- Manual Channel Selection; Variable Squelch Control
- Will Operate on 12 Volts DC or 117 VAC

MHz UHF band. When ordering specify the frequencies you wish to moniter. No $\mathrm{COO}^{\prime}$ s. The hishest frequency ordered must be no more than 5 MHz above the lowest frequency ordered in the $30-50 \mathrm{MHz}$ range, nor more than $7 \mathrm{MHz}^{\text {M }}$ in the $147-174 \mathrm{MHz}$ and $450-470 \mathrm{MHz}$ ranges.
40 P 690012 Digi Scan 8 for $30-50 \mathrm{MMz}$ (5 MHz Spread) 149.95 40 P 690192 Digi Scan. 8 for 147.174 MHz ( 7 MHz Spread) ... 149.95 40 P 690272 Digi Scan-8 for 450.470 MHz ( 7 MHz Spread) .... 164.95

# VHF and UHF Police, Fire, Marine, Civil Defense, and Business Monitor Receivers 

## REGENCY 8 Channel 2-Band Hi/Lo Monitor Scanners

- Automatic Cross Band Scanning
- Instant On Solid State Circuitry

Three models to choose from. Automatic Cross Band Scanning, Automatically Monitors (SCANS) any mixture of 8 high and low band FM channels or Manual Pushbutton Channel Selection. Illuminated read-out lights indicate receiver is scanning for signals. When receiving a signal, It locks on, listens to signal until transmission is over, then resumes scanning. Audio Dutput: 5 watts; Sensitivity: Low Band- $0.5 \mu \mathrm{~V}$. Migh Band- $0.7 \mu \mathrm{~V}$. AC or 12 VOC Mobile operation. Comes complete with AC or DC power cords, moblle mounting bracket, removable telescope antenna, 4 " built.In speaker and external speaker terminals. Size: $21 / 2 \times 51 / 2 \times 71 / 2^{\prime \prime}$. Shpg. wh., 7 los. For 117 VAC or 12 VDC. Specify Migh Band Frequency Coverage, Frequency Spread should not exceed 8 MHz . No C.D.D.s (Allow 3 weeks for detivery.)
Siack No.

## Model

Met ea.
$40 P 60232 Y$ $40 \mathrm{P} \mathbf{6 0 2 4 0} \mathrm{Y}$ 40 P 60257 Y
$\begin{array}{ll}\text { TMRRH/LL } & 144.174 \mathrm{MHz} / 33.39 \mathrm{MHz} \\ \text { TMR8H/LM } & 144.174 \mathrm{MHz} / 37-43 \mathrm{MHz}\end{array}$
169.00 TMR8H/LH 144-174MHz/41-47MHz 169.00
TMRBH/LI $144-174 \mathrm{MHz} / 33-39 \mathrm{MHz}$ TMR8H/LM $144.174 \mathrm{MHz} / 37.43 \mathrm{MHz}$ TMR8H/LH
$144.174 \mathrm{MHz} / 37.43 \mathrm{MHz}$
$144-174 \mathrm{MHz} / 42-47 \mathrm{MHz}$ Crystal Certificate for above models. Fill out one for each crystal and send directly to crystal manufacturer.
40 P 82103 Y

## REGENCY 8-Channel 450-470 MHz UHF Monitoradio/Scanner

## "ol $159^{00}$

with AC and DC Power Cords. Mobile Mounting Brachet, and Removable Tefescope Antenna

Automatically scan your choice of eight $450-470 \mathrm{MHz}$ frequencies. Stops and listens to each transmission. At the end of transmission automatically continues scanning for another signal. HHuminated read out IIghts. Can also be operated manually. Pushbutton control for each channel. Built-in $4^{-i}$ speatier, Squelch control. Instant-on solid-state circuitry. Audio output 5 watts. Sensitivity: 0.7 microvolt for 20 db quieting. Size $21 / 4^{*} \times 512^{\prime \prime} \times 71 / 2{ }^{\circ}$. Shpg. wt., 6 lbs. specity Frequency Coverage when Ordering. Total Frequency Spread Should mot Ezered MHz. We. 454.462 MHz or 458.466 MHz . No COO's 40 P 60265Y Modet TMR-8U $\mathbf{4 5 0 - 4 7 0} \mathrm{MHz}$..................Net 159.00 Crystal Certificate for TMR-8U. Fill out one for each crystal and send directly to crystal manufacturer.
40 P 82103 Y
Net 5.95


## NEW! REGENCY 16-Channel 3 Band UHF-Hi/Lo Monitor Scanners



- 3 Models to Cover UHF, VHF High and VHF Low Bands
- Automatic Scanning with Any Combination of the $\mathbf{1 6}$ Available Channels
- Pushbutton Programmed Listening

Hear what is happening as it happens...from a choice of 16 channels in the three action-packed FM Communications BandsVHF High, VHF Low, and Ultra High Frequency. Scanning lights detail the search for active signals. When receiving a signal, it locks on and hears the action ... then automatically resumes search. Each of the 16 channnels is pushbutton equipped to quichly program the channel in or out of service, as well as for fast programming to high, low, combination high/low, UMF, or a combination of all three bands. Can de programmed for any com. bination (up to cizht channels) of High VHF Band (148-174 MHz), Low VHF 8 and ( $\mathbf{3 0 . 5 0} \mathrm{MHx}$ ), or a combination of High and Low VHF Bands, and up to 8 channels for UHF Band. Audio outputs 5 watts; Sensitivity: VHF Low $0.5 \mu \mathrm{~V}$, VHF HIgh $0.6 \mu \mathrm{~V}$, UHF 0.7 $\mu V$. Supplied with slide controls for volume and background noise squelch, built-in $34 / 2$-inch speaker, detachable telescopic antennas for UHF and combination High/Low VHF FM bands, and remote speaker and external antenna terminals. Walnut woodgrain vinyl-clad cabinet. Size: $13 \times 14 \times 81 / 4^{\mathrm{e}}$. Shpg. Wt.. $81 / 2 \mathrm{lbs}$. Specify UHF and VHF Frequencies You wish to Monitor. Frequency spread should mot exced o MHz each on UWF and VWF Hish Bands. No COO's (Allow 3 weeks for delivery.)
TME-16 H/LLU $450-470 \mathrm{MHz} / \mathbf{1 4 8}-174 \mathrm{MHz} / 33-39 \mathrm{MHz}$
40 P $60273 Y$
Net 219.00
TME-16 H/LM/U $450-470 \mathrm{MHz} / 148-174 \mathrm{MHz} / 37-43 \mathrm{MHz}$
40 P $60281 Y$.................................................
40 P60299Y ................................................................... 219.00
Crystal Certificate for above models. Fill out one for each crystal and send directly to crystal manufacturer.
40 P 82103 Y
Net 5.95

# Police, Fire, Aircraft Receivers, Preamplifiers 

## ANTENNA SPECIALISTS MONITOR PREAMPLIFIERS

A great new hearing aid for monitor enthusi. asts, these preamplifiers bring up those weak far away signals to useable levels. The incoming signal strength is actually multiplled ten times. Designed for high amplification, braad band for 20 ob on any band. Operates on single 9 volt battery (not supplied) for mobile use or with optional battery eliminator for 117 VAC, fixed use. Complete with mobile mounting bracket and connecting coazial cable with pin plug. $2 \times 31 / 4 \times 43 / 4$. Wt., i lb. Hish Band ( 148.174 MHz )
40 P 13298
Net 29.95 Low and Hiph Band ( 30.50 and 148.174 MHz ) 40 P 13306 No Money Down ${ }^{-1} 39.95$ UHF Band ( $450-470 \mathrm{MHz}$ )

40 P 13314
….......Net 29.9 99 P 602129 V Batt. for above......Net 29.95 Battery elliminator for operating preamplifiers on 117 VAC. Imported. Shpg. wt., $3 / 416$. 99 P 90219

Net 3.99


## 3 Models:

High Band (148-174 MHz) Low and High Band ( 30.50 and $148-174 \mathrm{MHz}$ ) UHF Band ( $450-470 \mathrm{MHz}$ )

SONY TR-8460 PORTABLE AIRCRAFT RECEIVER


With Batteries AC Adapter, and Earphone

- Frequency Range $108-136 \mathrm{MHz}$
- RF Stage For High Sensitivity
- Slide Rule "Cursor Scale" For Precise Tuning
- Squelch Control

Tunes in the most widely used civil aviation Prequencies from arr-to-ground pilot and controller transmissions, VOR omni-range broadcasts, and low rrequency band pilot we ather dala. Operates on 4 " 0 " batteries or 117 VAC. "Instant on" solid state circuitry. Swing away carrying handle and telescopic antenna. $33 / 4^{\prime \prime}$ dynamic speaker. Size: $5^{1 / 21 / M}$ $\times 101 / 2 \mathrm{~W} \times 2 \mathrm{~K}_{6} \mathrm{OD}$. Imported. Shpg. wt.. 4 lbs . 17 P 33070L No Money Down ${ }^{\circ}$...Net 49.95

SHAKESPEARE LOW BANO. HIGH BANO MOBILE FIBER. GLASS MONITOR ANTENNA

$18^{55}$$95 \cdot 25-50 \mathrm{MHz}$ or $148-174 \mathrm{MHz}$ Bands
This dual band troerglass moblle antenna operates in the $5 / 8$ wave mode at high band and the $1 / 4$ wave mode at low band. its replaceable ffexible tlp (whip) Inserts directly into the housing and eliminates the housing and eliminates the need for a base spring. The
pressure molded Poly-Carbonate housing seals the coil agalnst the environment. Peaked and pre-tuned at the factory. Mounts in a $3 / 4^{\text {m }}$ hole. Supplied with $18^{\prime}$ RG-58/U es. ble with both a phono plug and a Motorola plug. Length $47{ }^{\prime \prime}$. Shpg. wt. $11 / 2 \mathrm{lbs}$.
40 \& 27066 ...........Net 18.95 No-Hole Trunk Mount for above antenna. Shpg. wt., 6 oz. 40 P 27074 ........Net 4.95 Gutter Mount for no hole mount. ing of antenna. Shpg. wt., 401. 40 P 27058 ..........Net 2.50 Adapter; Adapts Motorola plug to S0-239 socket. Wt., 4 oz. 42 P 22014 ..........Net 1.29

"Mini" Solid State aircraft radio receiver. Pocket size, covers standard aircraft band 108-136 MHz. Listen to alreraft in flight. or airport towers from up to 10 miles away. Fea. tures varlable tuning, $42 / 2^{\prime \prime}$ whip antenna. and earphone. Includes 2 Mallory MS41 batteries. Imported.
40 P 21002 L Shpg. wt., $1 / 2 \mathrm{lb}$. Net 14.95 Pachage of 6 extra datteries
32 P 46931 Shpg. wt., $1 / 2$ lb. ..Net 2.19

CUSHCRAFT 3-BANO MONITOR STIK ${ }^{\mathrm{man}} 16^{35}$

3 Antennas in 1 - 30-50, 135-175, and $450-470 \mathrm{MHz}$ Bands
The Monitor Stik antenna can be used with any coax inputHI, Low, and UMF, single dual. or three band recelver. Unusual vertically polarized design plus full half.wave ele. ments on Low and $H i$ bands. and multiple half.waves in phase on UHF pull in distant hard-to-receive signals, Unlver. sal support permits mounting on mast, tower, window, etc. Accepts 72 or 52 -0hm coaxial cable with PL-259 connector. With easy-to-follow instrucllons. Overall length $12^{\prime}$; support boom $24^{\prime \prime}$. Wt., 4 lbs. 40 P 19246 W ......Net 16.95

## NEW-TRONICS HI/LO MOBILE MONITOR ANTENNA

## ""1 $16^{35}$

- Trunk Lip Mount
- For 25.50 MHz and 140.174 MHz

An excellent h/fio band trunk tip mount mobile monitor antenna. Covers 25.50 MHz and 140-174 MH2. No holes to drill and easily installed on rear or side of trunk lld. Heavy.duty four section telescopic anten. na with efficient waterproof loading coil. Supplied complete with $17^{\circ}$ RG-58U coaxial cable with all connections factory attached. Wt., 2 lbs., 5 or.
40 P $55166 . . . . .$. Net 16.95

## HY-GAIN TRI-BAND MONITOR ANTENNA

${ }^{\text {only }} \boldsymbol{g}^{95}$

- 25-50. 130-174, plus $450-470 \mathrm{MHz}$
- Plugs Directly Into Receiver

Expertly designed center loaded Low, High and UHF tri-bant direct olug. In antenna. Excellent for use in strong local signal area. Attaches conveniently to the rear of your moni. tor receiver. Furnished with adapters for varlous receiver antenna terminations. Shpg. wt., $11 / 2$ lbs.
40 P 31316 W

# LAFAYETTE Monitor VHF and UHF Antennas 

## DELUXE UFRMEIE Noble

FM VHF ANTENNAS
HIGH BAND MOBILE ANTENNAS


- For 130.174 MHz with 12" Cable •For $450-470 \mathrm{MHz}$

Mobile roof or trunk mount for 130 174 MHz or $450-470 \mathrm{MHz}$ operation Terminates in $3 / 8^{\circ}$ bolt. Whip has set screw-type adapter for easy tuning. Comes with $12^{*}$ RG.S8U cable and PL259 connector pre soldered to the antenna. Length $211 / 2^{\prime \prime}$. Shpg. wt. $1^{3 / 4}$ lbs
40 P 01137
Net 6.95
LOW BAND MOBILE ANTENNA

1295

- For 30.50 MHz - Features "Rapid-Grip"

Less cable Trunk-Lid Mount

3 deluxe new base loaded FM -VHF moblie antennas to choose from$30.36 \mathrm{MHz}, 36.42 \mathrm{MHz}, 42.50 \mathrm{MHz}$. All 3 antennas include "Rapid-grid" trunk lid mounts for simple and easy installation. No holes to drill. Provides Ideal omni-directional signal pattern. Consists of weatherproof phasing tronsformer, stainless steet whip and cadmlum plated "rapldgrip" mount. Overall length $43^{\prime \prime}$. Wt. 2 lbs.
40 P $01145 \mathrm{~W} 30-36 \mathrm{MHz} .12 .95$ $40 \mathrm{P} 01152 \mathrm{~W} 36-42 \mathrm{MHz}-12.95$ 40 P 01129W 42.50 MHz .. 12.95 20. Coaxial Cable Assembly for above antennas Terminate with PL-259 on one end and universal lugs on other end.
12 P 70021
Net 2.95

## LAFAYETTE DUAL BAND FM.VHF INDOOR MONITOR ANTENNA

 895- For 30.50 MHz $130-174 \mathrm{MHz}$

Oual band indoor antenna enables you to operate your VHF FM com munications receiver whthout having to put uD an outdoor antenna, Con sists of 2 section stainless steel whlp with center loaded colls for 30.50 MHz and 130.174 MHz . Ideal for use with Lafayette Models PFI75 PF60, PF 30 FM VHF receivers. Over all length $48^{\circ}$. Lug type connector. Imported. Shpr. wU. 12 oz . 99 P 26106

Net 8.95

## FIXED STATION RG-58/U COAXIAL CABLE ASSEMBLIES



## - For Monitor - For Ham - For CB

 ideat for connection between base station antenna and receiver, RG-58/U coazlał poly: fam cable, PL-259 connector on both ends 50 It. length. Shpg. wt., 2 lbs42 P 09243
100 ft , length. Shpg. wt., $31 / 2 \mathrm{lbs}$.
42 P 09250 ..................................Net 9.50

## LAFAYETTE MONITOR FM.VHF GROUND PLANE ANTENNAS



Model LR- 145 High Band Monitor For 130.174 MHz and $\mathbf{4 5 0} \mathbf{4 7 0} \mathbf{~ M H z}$. Light. weight, omni-directional vertical ground plane antenna. 4 Radials are of stainless steel construction. Radlator is of chrome plated brass and highly corrosion resistant. Coaxial fitting on antenna base directly accepts the standard PL-259 coaxial plug. U-bolts are provided to accept up to $14 /{ }^{-1}$ diameter masts Shpg. wt., 2 tbs.
40 P 01160W
Net 7.50

## Model LR-40 Low Band Monitor

For 25.50 MHz . Omni-Olrectional vertical ground plane antenna, 3 -solid atuminum radials, cadmium plated steel mounting brackets. Lug-Type connector. U-Bolt supplied to accept up to $14{ }^{2}$ masts. Tuning Chart supplied. Shpg. wt., 4 lbs.

Net 9.50

## LIFAYETIE "RANGE-BOOST"TM

2 BAND FM VHF GROUND PLANE

## COMMUNICATIONS ANTENNA

An exceptionally efficient ground plane an. tenna for operation between 30 fo 50 HMz and 130 to 174 MHz (on the high band, maximum antenna cable length to receiver should be 50 ft . for best efficiency). Comprised of 4 easily assembled drooping efements tuned to 30 MHz and a vertical radiator with a matching transformer and a low and high band collinear collector. Ideal for use with Lafayefte FM communications receivers. Constructed of heavy-duty alumnum alloy rods and stainless steel tid section. Antenna comes complete with mounting bracket for $1^{\prime \prime}$ pipe or $11 / 4^{\prime \prime}$ tubing. Shpg. wi., 5 Va lbs. 10 P $01053 W$

Net 19.95


Get exceptionally high performancel Consists of two $1 / 2$ wavelengths, employing both Impedance matching and high $Q$ phas. ing coils, encased in a weatherproof jacket. Precise factory tuning makes cutting unnecessary. All fittings are made of chrome plated brass for rallable operation and longest possible life. Shunt fed OC grounding provides lightning protection. Gain: 4 db over $1 / 4$ wave antenna across entire band;
VSWR: VSWR: 1.5:1 or better; Antenna Power Rating: 100 Watts: Input Impedance: 50 ohms. Use RG-58/U cable wilh PL-259 coaxlaf connector. Shpg. wt., 1 ib .
40 P 01202 W

An exceptionally versatile 3 ob gain. 450 to 470 MHz mobile heavy-duty antenna designed to fit every professional vehicular requirement. 3 db gain doubles effective radiated transmitter power. Phasing colls are shock-resistant, weatherproof, mounted in the center of the radiating element and encased in jackets. Whips are stainless stcel and feature an adapter providing $1 y_{4}$ adjustment for exact fiefd frequency iuning by ralsing or lowering the bottom rod with. out cutting. Input Impedance: 50 ohms; Antenna Power Rating. 100 Watts, W?. 1 is lb .

# LAFAYETTE Base Station Citizens Band Antennas 



## LAFAYETTE "RANGE-BOOST/II"TM END FED $1 / 2$-WAVE CB ANTENNA <br> 

- Heavy Duty Mounting Bracket
- Static Clover Leaf Ball Design Reduces Receiver Noise
- 3.75 db True Omni-Directional Gain
- VSWR-1.5 to 1 or less
- Signal to Noise Improvement of 6-20db

The "Range Boost/II" 1/2 wave CB base station antenna is one of the most popular of Lafayette's. famous line of high perform. ance CB antennas. Specially designed antistatic cloverleaf ball drastically reduces receiver nolse by continuous dissipation of static discharge. OHers a 3.75 db true omnidirectional gain. Tremendous slgnal to noise ratio improvement of 6.20 db giving you very clean reception. VSWR is $1.5 \mathbf{1}$. Includes a phasing transformer, rubber covered for molsture resistance. vertical radiator consists of 3 seamless aluminum tube sections topped by a solid aluminum $108^{* \prime}$ top section. 3 54" radials provide proper transmisslon line decoupling. New heavy duty mounting bracket. Oirect ground lightning profection, 50 ohm. $17^{\prime} 6^{\prime \prime}$ over-all length. Accepts up to $12 / 2^{\prime \prime}$ masts $\mathrm{PL}-259$ cable connector. Shpg. wt., Less mast and coak. 6 lbs . 42 P 01448 W

Net 19.95

## POLYFOAM COAX CABLE ASSEMBLY FOR BASE STATIONS



†LAFAYETTE'S 3-ELEMENT VERTICAL BEAM CB ANTENNA


Made in U.S.A.

- Multiplies Power 8 Times
- Completely Precision Tuned and Ready to Assemble and Install
- Steel Parts Irridite Treated to MIL Specs

An exceptionally high gain, directional antenna system for Citizen's Band communications. It developes a forward galn of B db. Front-toback ratio is $25 \mathrm{db}_{\text {; }}$ front-to-side, 40 db .50 ohm feediline match for maximum efficiency. Comes with bracket for verical or hori. zontal mounting. The $14 a^{" \prime} 0.0$. aluminum boom is 8 feet long. \$" to $\%{ }^{\prime \prime} 0.0$. aluminum elements are approximately $161 / 2 \mathrm{ft}$. long. All steel hardware is irridite treated to MIL specs. Accepts up to $11 / 2^{\prime \prime}$ mast. Completely factory pretuned. Furnished with simple mounting instructions. Less mast and coax cable. Shpg. wi., $7 \neq \mathrm{lbs}$.
42 P 01133 w
Net 18.95


## LAFAYETTE LIGHTNING PROTECTOR



Designed to eliminate statio build up on coaziat cables. Provides a consfant drain off. reducing chances of a direct lightning strike and in many cases eliminating noise problems. Employs one PL-259 pluz and one DKCB connector. Shpg. wt., 1/4 lb.
42 P 20018
Net 3.95

## Steel Mast For Mounting CB Antenna

10 It. 16 gauge Gold Kote steel mast- $12 / 4^{*} 0.0$. Shpe. wt., 4 ths

# LAFAYETTE Mobile Citizens Band Antennas 

## LAFAYETTE STAINLESS STEEL CB MOBILE ANTENNA

- 102" Stainless Steel Whip for Optimum 11-Meter Performance
- Heavy-Duty Cadmium Plated Stainless Steel Spring

Made in

- Aluminum Swivel Ball Jointed Mount Base
U.S.A.

Aluminum swivel mount base designed to be mounted on any surface. Plated steel spring holds rod in properly adjusted position and prevents rod damage from shocts and blows. Stainless steel whip for resiliency and strength. Less cable, Has lug terminals for 42 P 70021 cable assembly. Shpg. wt., 5 lbs.
42 PO1554WX
Net 8.95

## LAFAYETTE BASE LOADED "AUTO-TOP" CITIZEN BAND ANTENNA

- Automobile rooftop application effects ideal Omnidirectional signal patterns
- Mounts neatly from outside vehicle in $3 / 4^{\circ}$ hole
- Base loaded Phasing Transformer completely weatherproof

Only


Made in U.S.A.

- 39- Stainless Steel whip

The Lafayette Base Loaded "Auto-Top" Cltizens-Band antenna ofters the CB'er the ideal omni-directional signal pattern with very low signal to nolse. This quallty antenna con sists of an inconspicuous base loaded, neutral gray weatherproof phasing transformer (only $\mathbf{4}^{\prime \prime}$ high, and $\mathbf{z}^{\prime \prime}$ in diameter), a $39^{\prime \prime}$ stainiess stee! whip, and all mounting hardware In. cluding complete and simple mounting instruction sheets. Antenna mounts in $1 / 4^{\prime \prime}$ hole. Comes less cable. Shpg. wt. 2 lbs .
42 P 01208W
Net 8.95

## DELUXE LAFAYETTE HEAVY-DUTY MOBILE CB-AM ANTENNA

- One Antenna Does the Job of Two
- Low Loss Cables
- All Connections Under Dash

Deluxe Cowl mounted antenna doubles for Citizens Band and broadcast reception. Eliminates two antennas on your car. Sturdy construction with heavy chrome plate. $46^{\prime \prime}$ long collapsing to $31^{\prime \prime}$. Fits the $70^{\circ}$ to $1 \%^{\circ "}$ space left by auto antenna. Includes automatic dividing harness, $1^{\prime}$ cable to AM set, $2^{\circ}$ cable to $C B$ rig and $5^{\prime}$ cable with PL. 259 plug to antenna. Small divider unit itts under dash. Imported. Shpg: wi., $12 / 2$ lbs. 99 R 30603w

Net 10.95

## 20 FT. COAXIAL CABLE ASSEMBLIES

(A)


These cable assemblies are necessary for connection between Citizens Band Transcelver and Antenna.

[^26]
# LAFAYETTE CB BUMPER MOUNT ANTENNA WITH STAINLESS STEEL STRAP 

- Cadmium Plated Bumper Mount with Plated Steel Strap
- 102" Stainless Steel Whip Only
- Heavy-Duty Cadmium Plated Steel Spring


An outstanding lafayette CB antenna featuring a full-size $102^{\prime \prime}$ stainiess steel whip and fully adjustable steel plated mount with a steel plated strap which was specially designed to fit most cars. Heavy duty plated steet spring is bullt for extremely rugged moolle use. Less cable. Shpg, wt., 5 Jos.
42 P01596WX
Net 10.95


## LAFAYETTE BASE LOADED TRUNK MOUNTED MOBILE ANTENNA

- No Visible Holes in Car
- Trunk Groove Mount
- Installs in Seconds
$10^{95}$
- Phasing Transformer Completely

Made in U.S.A. Weatherproof

- 39" Stainless Steel Whip

Exciting mobile antenna from Lafayelle permits the CB'er to mount his antenna without any visible holes on his car. Specias trunk groove mount requires just two tiny $7 / 32^{\circ}$ hales in groove of car trunk lid. Antenna holds securely and is adjustabie to all cars. Features base loaded, weatherproof phasing trans. former (only $4^{\prime \prime} \mathrm{high}, 1^{-\prime}$ olameter) and a $39^{\circ}$ stainless steel whip. Complete with all mounting hardware, simple mounting instructions. Less cable. Shpg. wt., 242 los
42 P 01455
Net 10.95

## LAFAYETTE "RAPID-GRIP" MOUNT BASE LOADED MOBILE CB ANTENNA

- "Rapid-Grip" Mount Provides Permanent Antenna Installation In Seconds Without Drilling Holes


Made in U.S.A.
"Rapid Grif" moblle antenna is espe. cially suithble for trunk mounts. No holes to dritl. Silps over trunk lip. Cable is completely hidden. Neat, trim, professional appearance. Ofters Ideal omni. directional signal pattern. Water resistent body seal. $39^{-}$Stainless Steel whip. Base loaded phasing transformer com. pletely weather prool. Overall rength $43^{\circ}$ Less cable. Has lug terminals for 42 P 70021 cable assembly. Wt., 11 oz. 42 P 01521 Net 12.95


## DELUXE LAFAYETTE BASE-LOADED FIBRE-GLASS CB ANTENNA

- Our Best Mobile Antenna
- "Pultrusion" Fibre Glass Whip

Made in U.S.A.

- Base Loading Coil
- Tapered Shock Spring


# Assorted Lafayette Citizens Band Antennas 

## LAFAYETTE $1 / 2$ WAVE CB MARINE ANTENNA

## LAFAYETTE MOBILE AM TO CB ANTENNA CONVERTER

## only $24^{95}$

With 22 Ft．Coax cable， Connector，and Mounting Hardware
－No Ground Required
－Center Loaded
－Pre－funed
Top performing CB Marine An tenna－can be mounted on a wooden or fiberglass boat．Sin－ gle hole mount－$\%$＂diameter stud， $2^{\prime \prime}$ long．Base cover cap is white polypropylene．Center loaded high elficiency Tuned Circuit．Stainless steel whip． Overall height $581 / 2^{\prime \prime}$ ，Feedpoint 52 －ohms．Shipg．wt．， 3 lbs． 42 P oi612W ．．．．．．．．Net 24.95

## LAFAYETIE CENTER－LOADED CB WHIP ANTENNA

Only

－Weather－Proof
－For Base Station or Portable Use
－Adjustable Whip Stub
Sturdy，attractive，portable chrome plated center－loaded whip antenna， Terminates in a PL－259 connector． Adjustable whip is $11 \% 6_{0}$＂in length Also provided is an additional whip stub， $12 K_{0}{ }^{\prime \prime}$ total length．Genter load－ ing coil is completely weather－proof． Imported．Shpg．wt．， $1 / 2 \mathrm{tb}$ ． 99 P 31890

Net 5.50

## DELUXE LAFAYETTE UNIVERSAL BASE LOADED CB WALKIE－TALKIE ANTENNA


－Replaces Broken Or Existing Recessed Antenna －Instantly Attaches Without Tools

Universal base loaded CB walkie－ talkie antenna．Only 16 ＂In Iength． Replaces broken or existing re－ cessed antenna．Instantly attaches without tools．Can be tuned 10 compensate for antenna length． Made of non－corrosive materials． －Operates equal to long telescoping antennas．
99 P 32187 Wt．，$/ 4 \mathrm{lb}$ ．Net 2.19

－ 1 Antenna Now Does the Job of 2 Antennas
－Converts Any AM Automo bile Antenna to a Highly Efficient Combination CB and AM Antenna
Specially designed Lalayette AM to CB an tenna converter consisting of a weather－ proof loading coll with a universal mount and adjustable matehing 71／4＂stub．Covers entire 27 MHz Citizens Band．Easily attaches to your existing AM automoblle antenna Includes dividing hamess which couples your new combination AM and CB antenna directly to your Citizens Band Transceiver and AM auto radio．Imported．
99 P 31163 Shpg．wt．，3／4 Ib．Net 7.50

## LOW COST LAFAYETTE $1 / 4$ WAVE GP ANTENNA

## 795

－ $360^{\circ}$ Polar Pattern

Made in U．S．A．
Sturdy，High performance－low cost，trouble free ground plane antenna for C．B．High quality sotid aluminum elements－steel mounting bracket． $360^{\circ}$ polar pattern pro－ vides complete 23 channel coverage．Over． all height 106＂．Terminates with 50239 connector．Accepts PL259．SWR 1：5／1 or better．Shpg．wt．， $3 \mathrm{y} / \mathrm{l}$ lbs．
42 P 01620 W
Net 7.95 measurements are in inches．Imported．Average shpg．wt．， $1 / 2 \mathrm{ib}$

## LAFAYETTE CENTER－LOADED MOBILE CB GUTTER CLAMP ANTENNA

## －Easily Snaps on Rain Gutter of Automobile

－Offers Outstanding 11 Meter Performance


Portable center－loaded CB antenna is Ideal for the CB＇er．Easily removable when not in use－prevents theft or damage．Gutter clamp snaps on raln gutter of automobile．Heavy spring assures positive grip．Clamp is heav－ lly plated to resist corrosion．Only 20 Inches In length－outstanding 11 meter perform－ ance．SWR 1：1．Furnished with 12＇of RG58／U cable with PL－259 connector．Imported Shpg．wt．， $11 / 4$ tbs．
99 P 31882
．Net 8.95

## LAFAYETIE CENTER－LOADED FIBER－ GLASS CB COWL MOUNT ANTENNA

$8^{95}$
With $5^{\prime}$ of Cable Easily Mounts On Cowl or Rear Deck
Only $38^{-}$high but performs like 102＂ antennas．Designed for cowl mount． ing，provides an excellent radiation pattern．Substitutes for conventional $1 / 4$ wave whips as well as base－ loaded antennas in the 27 MHz band． The four foot whip eliminates the possibillty of striking overhead ob－ jects．Specially designed rocker sup－ port assures 8 －point grounding and permits mounting up to $35^{\circ}$ angle on lender，cowl or rear deck－Fits any $15 / 16^{\prime \prime}$ to $144^{\prime \prime}$ mounting hole． Complete with 5 ft ．of RG－58／ U cable．Shpg．wt．， 2 lbs．
42 P O1125W
Net 8.95

## LAFAYETTE Citizens Band Walkie－Talkie Antenna Replacement Guide

Desighed for the various Lafayette＂Walkie－Talkle＂portable CB Transceivers in． dicated．Will also fit many of the other＂Walkie－Talkie＂units manufactured by companies other than Lafayette．Chech the specs of the antennas listed on the chart below for the antenna best suited to your present＂walkie－Taluie＂．All

| Antenna Stock No． | Sections | Diam． of Base | Col－ lapsed Length | $\begin{aligned} & \text { Eriended } \\ & \text { Length } \end{aligned}$ | For Lafayette Walkie－Talkie Model | Net Ez． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9才830082 | 12 | V／2 | 6 | 527／4 | HE－29，HE－29B | 1.95 |
| 99 P 31114 | 11 | 13 | 57／4 | $511 / 4$ | HE－290 | 1.95 |
| 99 P 30371 | 11 | 1／2 | 61／4 | $541 / 2$ | HA－60，HA－61，HE－86， HE－100．100A | 1.95 |
| 99 P 30389 | 9 | K。 | 71／4 | 523／4 | HE．75，HE－88，HA－711 | 2.25 |
| 99 P 30405 | 9 | 36 | 57／8 | 43 | HA．70，HA－70A | 1.13 |
| 99 P 31122 | 8 | K。 | 5\％ | $361 / 2$ | HA－708，HA－70C，MA－70D | ． 98 |
| 99 P 31130 | 11 | 78 | 45／6 | 38 | HA－130，MA－130A | 1.75 |
| 99 P 31155 | 11 | \％ 6 | 7 | 58 | HA．99，HA． 303 | 3，25 |
| 99 P 32021 | 8 | $\%_{0}$ | 71／4 | 491／4 | HA． 132 | 1.95 |
| 99 P 32039 | 9 | 3 | 7\％ | 55 | HA－73A，HA－73B | 1.95 |
| $99 \times 32047$ | 11 | 76 | 6 | 49 | HA－73，HA．305，HE－210A，MA－62 HA－310，HA－310A，HE－4 10，HA－420 | 1.95 |
| 99 P 32054 | 10 | 76 | 7 | 55 | Dyna－com 2，2A，3，3A，and 38 | 2.95 |
| 99 P 32070 | 10 | 3 | 87／ | 671／2 | Dyna－com $5 \& 5 A, 6,12,12 A$ and 23 | 3.25 |

## Selected CB Antennas, Rotors and Mounts

## M-168 MOBILE "GRIP.STICK" MAGNETIC ANTENNA

- Ideally Suited for Temporary Emergency, or Permanent Mounting 17 95 - No "Installation" with $15^{\circ}$ Involved coaxial cable No "Installation" involved. Merely place It on the vehicle-center of the rooftop, or back deck, run cable thru window or trunk (under seats) to CB radio. Stainiess steel whip, anodized aluminum base, black phenolic insulator, and grey center loading coil. VSWR under 1.5:1. With 15 ft . coaxial cable and PL-259 connector. Shpg. wt., 2 lbs. 42 P 10480 W

Net 17.95
ANTENNA SPECIALISTS M20 WINDOW MOUNT ANTENNA Only


For apartment installation where other outdoor antennas can not be used. Jointed, 9 ft . aluminum radiator is supported by adjustable heavy-duty cadmium bracket. Will accept either twin or coaxial feed line. Performance will improve with height above ground.
Shpg. wt., 2 lbs.
42 P 10092 W
Net 10.9

## UNIVERSAL LAFAYETTE MOBILE ANTENNA ACCESSORIES

CHROME PLATED SWIVEL BALL MOUNT BASE Can be mounted vertically or horizontally. With lug terminals. Imported. Shpg. WL, 1 lb .
99 P 30306 $\qquad$ Net 3.49 heavy duty
STAINLESS STEEL SPRING. Provide maximum support for long whips and heavy centerloaded whips. Imported
Shpg. wt., $11 / 2$ lbs
99 P 30363
Net 3.25
CHAOME PLATED BUMPER MOUNT WITM STAINLESS STEEL STRAP. Completely adJustable for vertical mounting on most types of automobile bumpers. Highly reliable and durable. Eliminates need of cumbersome Hnk type chain mounts. Imported. Shpg wt., 13/4 lbs.
99 P 30355 ............Net 4.95

## ANTENNA SPECIALISTS ANTENNA MOUNTS


[国MODEL M-t91. Double Chain Bumper Mount. Cadmium plated. Accepts $3 /{ }^{\prime \prime \prime}-24$ thread of spring or whip.
42 P 10183 Shpg. wh., $27 / 4 \mathrm{lbs}$. Net 10.45 (8 Model M147 Stainless Steel Bumper Strap Mount. No holes to drill-easily adjusted.
22 P 10399 Shpg. wi. 24/4 Ibs. Net 11.95
[F] Model M-115 whip hold down clip.
42 P 10191 Shpg. wt., 3 oz. Net 1.25 [0] Model M-161 Quick Grip Mount. Standard trunk-lid mount accepts all 3/8" snap-in-tyge antennas. No holes to drill. Water resistaht body seal.
42 P 10472 Shpg, wt., 1 lb. Net 4.95

## AVANTI "Moonraker" BASE STATION ANTENNA



No Money Down *
Combines $1 / 2$ wave cross dipole elements with the patented PDL UNQUAD design reflector. simple flick of the swich changes mode, for transmitting or receiving, from vertical to horizontal polarization for inter-ference-free communications. Uses only a 15 ft . boom to ellminate efficiency losses inherent in multiple in-line quad designs, thus better sinnal excitation is achieved to provide greater true gain. Designed along the lines of antennas used to pinpoint signals on "moon bounce". 14.4 do gain. 1.2:1 SWR. 50 ohms Impedance. 38 db vertical to horizontal separation. 90 MPH wind survival. All alreraft quality aluminum with cast hubs and extruded clamps. Includes dual switch box for use with standby omni. Shpg. wt., 21 ibs.
42 P 3406 BWXY
Net 129.95

## CUSHCRAFT "RINGO" 1/2 WAVE VERTICAL CB FIXEO ANTENNA

## $21^{50}$

- 3.75 db gain
- Covers All 23 Channeis with 1:1 SWR

A slurdy Citizen Band vertical antenna with power ring tuning for amazing full circle gain. Power ring gives a perfect match between antenna and feed cable to utilize all avallable fransmitter power. Construction is all .049 wall aluminum tubing with solld hold telescope clamps and phenolic base insulator. De. signed for 52 ohm direct coarial feed. Overall helght: $17^{\prime} 10^{\prime \prime}$. DIrect DC ground to ellminate static discharge nolse and lightning hazard. Shpg. wt.. $41 / 4 \mathrm{lbs}$. 42 P 20026 W Net 21.50

## SOLDERLESS PL-259

## LOW-LOSS COAXIAL CONNECTORS

One for elther RG58/U
or RG59/U cable. Quick.
easy connections. No
fuss. no bother, no adapter, no soldering required. Shpg, wt., 4 oz.
Solderless PL259 for RG58/U Cables
42 P69106
Net ea. 79
Solderless PL259 for RG59/U Cable
42 P 69114 ..............................Net ea. . 79

## LAFAYETTE "OUMMY" ANTENNA LOAD FOR CB TRANSCEIVERS



A 52 ohm non-Inductive load for testing and tuning-up Citizens Band transmitters up to 5 watts. Built into PL259 coaxial plug. 42 P 09029 Shpg. wt., 3 oz. ... Net 1.59

## AVANTI "ASTRO PLANE" BASE STATION CB ANTENNA

## 2095



- Packs Maximum

Signal Strength
As Most Efficient
Position

- Full Omni. directional Signal
"Astro-Plane" base station antenna provides full omni-directional communications. Its revolutionary design concentrates signal power
 on top for maximum, efficlent operation Heavy duty aluminum construction with cor rosion resistant fittings, including solderless coax connector, assure a long, trouble free life. Double bracing withstands 120 mph winds. Impedance: 50 ohms; SWR: less than 1.4/1; power gain: 4 db ; length: 12 ' Can be mounted on a single mast up to $11 / 2{ }^{\prime \prime}$. Shpg. WL, 43/4 lbs.
42 P 34019 w
Net 29.95


## CORNELL DUBILIER AR-22R AUTOMATIC ROTOR



- Fingertip Control of Rotation
Heavy-duty rotor unit will handle antennas up to 150 lbs. Simply set the control unit pointer to the desired direction, and the antenna will automatically rotate to this posi. tion and stop. Perfect for TV. Ham or Citizen Band applications. Rotor unit employs 12 heavy duty ball bearings in two $61 / 2^{\prime \prime}$ races. Reversible ciamps on rQtor will talie masts from $7 / 5^{\prime \prime}$ to $2^{\prime \prime} .0 . D$. Control unit is marked in compass points. N.S.E.W.. NW, NE, SW. and $\mathbf{S E}$. Housed in attractive black vinyi steel cabinet. For $110-120$ volts, $50-60 \mathrm{~Hz}$ AC. Uses 4-conductor rotor cable. Shpg. wt. 14 lbs.
42 P B6076W No Money Down Net 36.95 Model AR-33 Solld State Pushbutton Gutomatic Rotor. Same as AR.22R but with deluxe pushbutton control unit that enables you to pre-set the antenna to any 5 -positions. Uses 5 -conductor rotor cable. Shpg. wt., 15 lbs. 42 P E6100W

Net 49.95
100 ft . colls of roter cable.

## 4 Cond.

32 P 89105 Shpg. wt., $21 / 2$ lbs. Net 3.40 5 Cond.
32 P 36312 Shpg. wt., 2y/4 Ibs. Net 4.72

## MOSLEY WEATHER.GUARD antenna coat

Fast drying, clear coating compound protects against corrosive action of salt, water, moisfure, and ultravfolet radiation. will not discolor antenna. Applies easily with a brush. Shpg. wt., 1 lb .


42 P 51112

$$
\text { Net } 1.65
$$

# Antenna Specialists Citizen Band Antennas Base Station Antennas 

NEW! M-400 "STARDUSTER" 5 db GAIN OMNI-DIRECTIONAL CB BASE STATION ANTENNA

## $39^{95}$

No Money Down*

- Die-Cast Aluminum and Seamless Aircraft Tubing Construction
- Waterproof Coax Feedpoint


Provides 5 db gain over a flat ground plane, 100 -mph-plus wind survival. Waterproof coax feedpoint. Handles In excess of 2500 watts. Best signal lobes at the horizon. No up-angle of radiation. Diecast aluminum and seamless aircraft tubing construction. Simple to assemble and install. Static cap at radiator midpoint for best S/N ratio, Can be mounted on 1 . threaded plpe or $11 / 4^{*}$ steel mast. Overall height 18 ft . Parcel Post Shippable. Shpg. wt., $52 / 2$ lbs. 42 \& 10688 W

Net 39.95

## M227 "MIGHTY MAGNUM III" 1/2 WAVE OMNI-OIRECTIONAL CB BASE STATION ANTENNA

## $36^{95}$

No Money Down*


- Power-Tip Radials Lower Radiation Angle
- Phasing Coil Optimizes Impedance MatchVSWR Less Than 1.4:1
- "Stati-Lite Diamond" Reduces Receiver Noise
4 db gin. Increases radlated power to 13 . watts. "Power-Tip" radials lower radiation angle and Increase range. "Stati-Lite Dia. mond" reduces receiver noise. Phasing coil oplimizes impedance match-VSWR less than 1.4:1. Completeiy waterproof transformer facket. Four electrically shortened radials (only $60^{*}$ long) permit easy installation and decreases wind rosistance. Overall height: $17^{\prime \prime} 6^{\circ}$. Takes masts up to $112^{\prime \prime} 0.0$. Parcel Post Shippable. Shpg. wt., 10 lbs.


## 42 P 10563 W

Net 36.95
Super-Magnum M117 $1 / 2$ Wave Base Station Antenna. Shpg. wt., 10 los. 42 P 10019 W .

## wt., 10 los.

Net 32.95

## NEW! MS-119 "SUPER SCANNER" ELECTRONIC ROTATABLE CB FIXED ANTENNA



No Money Down ${ }^{*}$

- Electronically Scans A Full $360^{\circ}$
- Omni-Position for Locating Other Stations
- Includes Separate Scan Control Unit

Multi-element directional antenna system with all new electronics. Increased gain: 4.75 db omni-directional and 8.75 db direc. tional. Electrontcally rotatable for a full $360^{\circ}$ in $3.120^{\circ}$ steps plus an OMNI-POSITION for quickly locating CB stations, particularly mobile. This is accomplished by use of the separate electronic control unit. Compact array of 3 sector-phased $171 / 2^{\circ}$ verticat elements extend less than $3^{\circ}$ from the mounting boom. Resists over 100 mph winds. Requires 4 -cond. rotor cable. Takes masts from $11 / 2^{\prime \prime}$ to $2^{\prime \prime}$. Shpg. wt., 20 lbs. 42 P 10696W

Net 99.95
100 ft , coil of 4 -cond. rotor cable.
32 P 89105

## Mobile Antennas

## M- 180 ADJUSTABLE

 gutter clamp mobile antenna

Easily snaps on rain kutter of car! Swink. away base design permits instant lowering while seated in the car. Heavy duty, chrome plated mount has spring loaded position adjustment for $0^{\circ}, 45^{\circ}$ or $90^{\circ}$ mounting on elther side of venicle. Sleek black fiber. glass center toaded whip is professionally designed for heavy-duty operation. Has all the things a CB'er would want in a mobile antenna: Rurgedness, rellability and high performance. Shpe. wt., 2 los.
42 P 10522 W
Net 18.95

## M-30 4 Ft. TUNEABLE FIBER GLASS MOBILE WHIP

995 Replace Your Oid Mobile Whip
Tapered "Armorweave" construction. Solld copper radiator and loading coll encapsulated within the white fiber glass antenna. Fits any mount with ${ }^{3+1}=-24$ thread. Wt., $1 / 2 /$ los.
40 P 10707
442
Net 9.95

## "OUICK-GRIP" <br> MOBILE ANTENNAS

As Low As $19^{95}$

A(A) Cooxlal Cable "Quick-Grip" Trunk Mount-No Holes to Drill-Simple Instal. lation, Mounted in Seconds.
(A) Model M175. Stainless steel whip. Base Loaded with attractive gray jacket and chrome end fittings. Whip adapter provides $11 / 4^{\prime \prime}$ adjustment for extra fine tuning. "Quich-Grip" mount. Solderless lead connection with PL-259 at set end of 16 foot coaxial cable. Shpe. wi., 2 lbs.
42 P 10498W
Net 19.95
[日] M304-white libre glass whip, tapered stainless steel slim-line shock spring. EKtreme resistance to corrosion. Only $46^{\circ \prime}$ iong. Solderiess lead connection with PL259 at set end of 17 ft . coaxial cable. Shpg. WL, 1\%/ lbs.
42 P 10613 W
Net 23.95

## M. $9096^{\prime \prime}$ FIBERGLASS WHIP MOBILE ANTENNA

A $96^{\circ \prime}$ white fiberglass CB whip antenna designed for use only on the 27-MHz band. Mounting adapter consists of chrome plated brass ferrule with \%/" 24 male thread to til standard base or spring. Wt. 1 1/4 los. 42 P10217WX

N et 10.95
MODEL M-38 $102^{\prime \prime}$ WHIP. Similar to M-90 except staintess steel con-
structlon. Shpe wt. 2 lbs.
42 P 10225 W : Net

## M-410 "Big Momma"

 Mobile CB Antenna

- Heavy Duty $1 \% / 0^{*}$ Diameter Loading Coil
- VSWR 1.5:1
- Ínstant Quick-Grip Mount
- Stainless Steel Spring

Antenna Specialists most powerful mobile CB antenns. Extra heavy duty. Uses professional $1 \%$ loading coll. Hefty whip is made of 17.7 PH stainless steel, coated with copper and nickel for super-conductivity. Radiator length: $391 / 4^{\prime \prime}$. VSWR: 1.5:1. input impedance: 50 ohms. Overall height: $49^{\text {² }}$. With instant quick-grip mount and stainless steel spring. Shpg. wt., 2 lbs.
42 P 10670 W ....Net 29.95

## M-178 "STICK-SHIFT" MOBILE MAGNET ANTENNA

## With 16' Coaxisl Cable

For temporary or permanent mo. bile applications. Powerful mag. net feature lets user shiff position of antenna or change from one vehicle to another. Triple chrome plated metal base. Fine tuning adjustment, VSWR 1.5:1 or better, $38^{\prime \prime}$ stainless steel whip with 16 t. RG.58/U cable termination in Pl 259 connector. Shpg. wt.. 2 ibs.
42 P lo530w
... Net 17.95

# Lafayette... Headquarters for CB Crystals 

A full line of transmitting and recelving crystals for LAFAYETTE CB Transceivers and Walkie-Talkles, the number one line on the market today. These crystals are available for any channel from 1 to 23. Extremely accurate "3rd overtone" crystals are precision made and more than meet F.C.C. tolerance require. ments of $.005 \%$. No crystal required in recelver circult of these transceivers. Shpg. wt., 2 oz.
 appropriate stock number tlsted below; l.e., the correct slock number for Lafayette Model MB. 115 transmit crystal for channel 1 is 46 P 1801 . Ititewise for channel 23 is 46 P 1823.

## CRYSTALS FOR LAFAYETTE CB TRANSCEIVERS

| Model | Stock Numbers Tramsmil Receive |  | Model | Steck Numbers Transmill Recelve |  | Model | Stock Numbers Transmilt Receive |  | Model | Stock Numbers Transmit Receive |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| HB-115, A | $46 P 18$ | - | HE-20T, HA-450 | $46 P 65$ | 46P10 | MB-200 | 46P61 | 46P19 | Comstat 19 | 46P61 | 46 P 17 |
| HE-15,A, B | 46 P 18 | * | HE -43, A, B, C, HE-90 | 46 P 18 | 46P19 | HB-500, 1 | 46P15 | $46 P 16$ | Micro 12 | 46 P 15 | $46 \mathrm{P10}$ |
| HE-20,A,B,C | 46 P 18 | 46 P 19 | M8-111 | 46P61 | 46P19 | H8.555 | 46 P 65 | 46 Pl 13 | Micro 6 | 46P15 | 46 P 10 |
| HE-20 D | 46P11 | 46P10 | MA-150 | 46P15 | 46P10 | Comstat 9 KIt | 46861 | 46 P 17 | Wicro | 46 PIJ | 46 P 10 |

## CRYSTALS FOR LAFAYETTE "WALKIE-TALKIE" CB TRANSCEIVERS

| Model | Stock Numbers Transmit Recelve | Model | Stock Numbers Transmit Recelve | ModelStock Numbers <br> Transmit Rocelve | Model | Stock N Transmil | umbers Recelve |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { HE-29, A, } \\ & \text { HE-29C, } \\ & \text { HA-60 A } \\ & H A-73 \text {, } \end{aligned}$ | 46 P 1846 P 17 | 4. 88. | 46 P 1546 P 10 | 00, A, B 46P11 46P10 | Dyna-Com, 3, 36 | 46P15 | 46P10 |
|  | O.A 46P15 46P10 | HA. 130 A , | 46 P 15 46P10 | 303, HA-305 46P15 46P10 | Dyna-Com 3a | 46P11 | 46P10 |
|  | A 46P15 46P10 | 1A-135., | 46 P 15 46P10 | 310, HA-310 46P15 46P10 | Oyna Com5,5a. 6 | 46P15 | 46P10 |
|  | 75 46P15 46P10 | HE-210, | 46 P 1546 P 10 | 410. MA-420 46P15 46P10 | Oyna Com 1212 A | 46 P 15 | $46 P 10$ |
|  |  |  |  |  | $1 \text { 195 }$ |  |  |
| Now ... Any transmit crystal or any receive crystal for any CB transreceiver that uses a separate transmit crystal and a separate receive crystal for each channel. NOT APPLICABLE TO <br> FOR CRYSTAL CERTIFICATE |  |  |  |  |  |  |  |
| Applicable to Any Communications Service other |  |  |  |  |  |  |  |
| Than CB,SENO filled-out certifit |  |  |  |  |  |  |  |
| erystal, to erystal manufacturer. You will receive the crystal directly from the manu- |  |  |  |  |  |  |  |

## Hy-Gain and Shakespeare CB Base Station and Mobile Antennas

| HY-GAIN MOBILE HELLCATS | HY-GAIN CLR/II BASE STATION ANTENNA <br> - Electrically Extended 5/8 <br> Wave Length Radiator <br> - Delivers 8 DB Circuit Gain <br> Deluxe colinear ground plane antenns. Rugged base mounting assembly insures survival in winds up to 100 MPH. Maximum ( 20 fL ) Radiator develops greatest possible gain, 3.4 db in measured field strength intensity plus improvement in signal/nolse ratio resulting from vertical element being at OC Eround. Total circuit gain In excess of 8 db . of ground feature protects antenna and equipment from lightning damage. Element material too quality aluminum tubing $11_{4}{ }^{\text {" }}$ to $3 / 8^{\prime \prime}$. All seamiess lubing. Mount on mast $1^{" *}$ to 1 劣". SWR less than 1.2:1. Fed with 52 ohm coax. Shpe. wt.. $81 / 4 \mathrm{lbs}$. 42 P 35016W No Money Down ${ }^{*}$ |
| :---: | :---: |
| A B C D E | SPEARE FIBER-GLASS |
| (A) "hellcat 2" poof top mount antenna. Base loaded, and almost impervious to damage. The extremely short, strong, lightwelght stainless steel tip rod provides a very liexible capability to withstand garages and low hanging obstacles. Only 23 Inches high. Complete with $22^{\prime}$ of coax and connector. <br> 42 P 35164 W shpg wt., 2 los. <br> Net 16.95 | CB MOBILE WHIP ANTENNA <br> - Mounts On Standard Ball. Cowl, or Bumper Mount <br> - Power Rating: 200 Watts |
| (B) "hellcat 3" magnet antenna. Magnetically mounted in an inslant and requires no holes or tools. You'll taik loud and clear with a low SWR on all 23 -channels. Complete with $16^{\prime}$ of coax and connector. Overall helght is $34 \mathrm{~s} / \mathrm{s}^{3}$ <br> 42 P 35172 W Shpg. <br> wr., 2 lbs. <br> Net 18.95 | 10-3. Deluxe 96 " quarter-wave fiberglass whip is ht-weight, non corrosive and anti-static. Fiberglass conuction utilizes Shakespeare's exclusive orlented fiber |
| C) "hellcar 4" TRUNX mOUnT ANTENNA. Mounts easily and quickly on the lip of your trunk lid. Is base loaded with an etched copper coil, giving a very low SWR on all 23 channels. With $22^{\prime}$ coax and connector. Overall height 47". <br> 42 P 351 sow Shpg wt., $31 / 4$ lbs. <br> Net 21.95 | Vertically polarized to conform with typical mobile to mobile or moblie to base operation. Matched to RG-58 or other 50 ohm coaxial cable. Thread size: $3 / 8.24 \mathrm{Shpg}$. wt., 1 tb .6 oz. <br> 42 P17006W $\qquad$ Net 9.95 |
| (D) "hellcat 6" Camper and traller antenna. Installs quickly and easily on all types of campers and house trailers. Mounting bracket is complete with low profile base and chrome plated brass automatic fold-over, providing necessary mechanical protection. With $22^{\prime}$ coax and connector. Overall height 47". <br> 42 P 35206w Shpg. wt., 31/4 lbs. <br> Net 22.95 | $36^{95}$ NEW SHAKESPEARE "BIG STICK" CB BASE STATION ANTENNA <br> Professional hall-wave, fiberglass antenna. Tathes hurricane winds, ice, salt water and severe corrosion. Preluned for |
| E "hellcat $\boldsymbol{y}$ " the fold-over rooftop antenna. Tension loaded base provides rigid support at alf time, yet folds when struck by an obstacle or when the vehicle is garaged. Complete with $22^{\circ}$ coax and connector. Shpg. wt., 3 lbs. <br> 42 P 35214W <br> Net 19.95 | low SWR. No ground radials. Omni-directlonal and works anywhere, with any leng th cable. Two sections form 181/2 length. U-botts supplied for $11 / 4^{\mathrm{N}} \cdot 11 / 2^{-}$mast. Standard 50 239 connector. Shpg. wt., $71 / 2$ lbs. <br> 42 P 17014 W No Money Down* <br> Net 36.95 |

# Improve Your Citizen Band Performance 

## AMECO CB Transceiver RF Preamplifiers



## As Low As <br> $66^{95}$

- On the Air Sign No Money Down*
- Improve Receiver Sensitivity AM or SSB
- FET Transistor Amplifier
- Connects to CB Transceiver No Modification Required
Model CB- $\mathrm{u}^{\prime \prime}$ solld-state preamplifier improves sensitivity, increases galn of recelver section of transceiver over 20 db . Improves signal-to-noise ratio. Automatic switching bypasses preamplifier when transmitting. Built-In gain control increases immunity to front-end overioad. "ON THE AIR" sign automatically lights when transmitting base station or mobile. Size: $71 / 2^{\prime \prime} \times 31 / 4^{\prime \prime} \times 41 / 2^{\prime \prime}$. Shpg. wt. $41 / 4 \mathrm{lbs}$.
42 P69098 No Money Down Net 66.95 deluxe Madel PCB-Senior. In addition to the above, contains power switch to control entire station. It can feed a second receiver and automatically mutes second recelver white transmitting. Has double tuned preselector stage. For base station 117V AC only, Shpg. wt., $31 / 4 \mathrm{lbs}$.
42 P 69130
Net 78.95


## LAFAYETTE Auto-Marine Engine Noise Suppressor Kit



- A must for Mobile CB and Ham Operators
- 13 Components Plus Shielded Cable Bonding Strap and All Mounting Hardware

Easily installed kit will effectively suppress noise and interference created by the operation of electrical equipment in your car or boat such as spark plugs, circult breakers, coils, generators, regulators, or distrlbutor assemblles. Consists of 8 -spark plug suppressors; 1-distributor suppressor; 12ff . shielded cable; 18 -inch bonding strap, $1 / 4^{\prime \prime}$-wide, 4 -coaxial capacitors. All necessary hardware and complete insfructions for installation are included. Shpg, wt., $13 / 4$ lbs. 42 P 09052

Only Emergency Call System for Cars

## Solid-State CB


#### Abstract

$44^{95}$ with mike/speaker - Complete CB Transceiver Operates on Channel 9 - Combination Mike and Speaker Saves Space

Monitor Channel 9. 24 hours per day in your cap. Just pick up the push-to-talk mike and cali for help in an emergency. Mike also Includes buili-in speaker, Comes with Transmlit and Receive crystal for Channel 9 installed. Powerful solld-state circuitry includes 7 Iransistors, 4 dlodes, and 1 IC.


## DRAKE TV42LP Low Pass Filter

765


- Avoid TV Interference

EtHectively reduce TVI which may be eminating from your CB transmitter and interfering with TV sets. This four section filter is designed with a 43.2 MHz . cut-off and extremely high attenuation in all TV channels for citizens band and other trans. mitters 30 MHz . and lower. Rated 100 watts input. $\$ 0.239$ connectors bullt-in. Wt. 3/4 lbs. 40 P 65132 .Net 7.65

## E. F. JOHNSON <br> Solid-State In-Converter

## $22^{95}$

Converts: 6 VOC to 12 VDC 6VDC to 18VDC 12VDC to 24 VDC


Permits you to match voltage and polarity from any 6 or 12 volt DC power source to your citizens band equipment. Converts 6 volts DC to 18, 12 volts DC to 24 . Inverts polarity from positive to negative to positive. Select any combination of connections in seconds by merely changing one jumper cable. Size: $534^{\prime \prime} \mathrm{L} \times 21 / 2^{\prime} \mathrm{H} \times 334^{* W}$. Shpg. wt., $24 / 4 \mathrm{lbs}$.
42 P 39190 ...............................Net 22.95


Includes mounting bracket for easy under dash installation. Power input 5 watts. RF Power Output. 3 watts. Requires mobile $C B$ antenna. For 12 -volt Negative ground systems. Size: $15 / 3 \mathrm{H} \times 3 \mathrm{z} / 2 \mathrm{~W} \times 7 \mathrm{~L} / \mathrm{a}^{\prime 2}$ L. Shpg. wt., $21 / 2 \mathrm{ibs}$. Imported.
42 P 66052 No Money Down" Net 44.95

## Transistorized CB Compressor Amplifier

 Bracket
Talk closer or farther from your mike without varying the output signal or over-modulating. Operates on inexpensive 9 -volt battery (not included). Amplifier has volume control. Gain: $27 \frac{1}{2}$ db @ 1 kHz . Freq. Re. sponse: 300 to $20,000 \mathrm{~Hz}$. Complete with handy mounting bracket. Shpg, wi.. 1 lb .
42 P 21115 ................................Net 19.95 9.Volt Battery for above.

99 P 60212
Net ea. . 31

## LAFAYETTE <br> CB Phone Patch



- Ideal for Emergency Phone Calls Using Your CB Transceiver

Talk anywhere in the world from your car or truck. Simple installation allows your tele. phone to be connected to your CB communications system. For use with 3-16 ohm speakers and high impedance microphone inputs. Modulation gain control to compensate for varying line levels. On-off swith disconnects patch when not in use. Dimensions: $41 / 4 \mathrm{Wx} 17 / 8 \mathrm{Hx} 2^{*} \mathrm{D}$. Shpg. Wi., $14 / 4 \mathrm{lbs}$. 42 P 01638

## CB Transceiver Auto-Mount



- Adjustable-Fits all Transceivers

Screws firmly to floor. $1^{\text {" }}$ strap holds transcelver firmly in place. Easy access to all controls. Steel construction. Size: $10^{1 / s^{\prime \prime}}$ to $143 / 4^{\prime \prime}$ wide, $103 / 4^{\prime \prime}$ lang. Rear height: $51 / /^{\prime \prime}$, front height $9^{\prime \prime}$. Shpg. Wt., $43 / 4 \mathrm{lbs}$. 42 P 68009 W

## Lafraverte-Headquarees for CB Accessonies \& Equimenent <br> \section*{LAFAYETTE CB Transceiver Multitester}

## Measures

- RF Power Output
- \% Modulation
- Relative field Strength
- Crystal Activity
- SWR
- DC Volts Up To 15 V
- OC Amps Up To 1A
- RF Power Up To 8 Watts


## Generates

- Crystal Controlled RF Signal
- 1 kHz Audio Signal
- Modulated RF Signal

Provides

- In-Circuit Connection To Antenna Without Removing Cables From Transmitter


## Permits

- Aural Monitoring of Local Transmitters
- Visual Transmitter Monitoring with Oscilloscope Features sensitive O'arsonval meter, jacks for aural and visual monitoring, audio generator output and RF signal generator output; ceramic jacks for standard miniature
crystal sockets. Controls include
$8 \rightarrow 00$ onition sele Strength, OC Amps 0.100 ma , AC Amps 0.1 . oC RF Power/SWR. 4 lever switches for: RF Gen Audio 0.3 Ve . AC Volts 0.15 V . Modulation, Forward. Antenna-External and Internal Aiso Audio Gen./Modulator Power-SWR and Adjust Control, Modulation Calibrate Control. So-239 sochets accept standard Meter connectors, sturdy attractive metal case with brushed aluminum tritandard PL-259
 wt., $51 / 4 \mathrm{lbs}$.
99 P 32195 No Money Down*


## Antenna Coaxial Switch

## $5^{95}$

-2.Position

- Rated At 1 KW AM, 2 KW PEP SSB CBer's and Hams can stop reaching behind their rigs, wasting time and missling calls switching antenna leads. With this quality coaxial switch-just turn the knob and in. stantly change from one antenna to another. Shre: $21 / 2 \times 11 /{ }^{2}$.". Shpg, wt., 6 oz 42 P 21024

Net 5.95

## CB INLINE WATT METER

- Rated at 5.Watts Continuous
Easy to use and very accurate! Tells you how many watts your CB rig is delivering. Reads true output power in watts when in. serted in a 50 ohm lline. Stays in lline for constant monltoring. Negligible insertion loss. Reads true output power and not rela. Uve power.
42 P 21065 Shpg. wt. 5 oz. Net 14.95


## Low Pass Filter

## 649

Avoid TV interference. Feduce TVI coming from your rig and interfering with TV sets by inserting a LP filter in your line. Rated at 100 watis input. Attenuation starts at 39 MHz , is 20 do down @ $40 \mathrm{MHz}_{2} 26 \mathrm{db}$ @ 45 MHz and above. Impedance: 50 ohms. Insertion loss: $1 / 2 \mathrm{db} @ 27 \mathrm{MHz}$. Shpg. wt., $1 / 4 \mathrm{oz}$. 42 P 21123

Net 6.49

## CB Antenna Match



Gives a perfect antenna/transmission line match of 1.1:1 VSWR for full power. RE quires no special tools for installation Simply insert the CB MATCHER between the transmitter and antenna lead-in. Adjustable tuning knobs permit precise matching un der various operating conditions. 42 P 21032 Shpg. Wt., 6 oz. ....Net 9.95

## E. F. JOHNSON Antenna Meter

## $14^{95}$



Model $250-49$ Antenna Metor. Effectively minimizes power loss through your antenna system. Get maximum communication range from your transceiver. Olrect reading an tenna meter measures SWR up to $10: 1$ anexternal power needed size. 41: in 230 $2 \mathrm{~K} \mathrm{~K}^{\prime \prime}$. Shpg. wt. 14 oz . Size: $41 / 2 \times 23 / 4 \times$ 42 P 39133

Net 14.95

## Twin Rig Coupler

## 995



[^27]
## 1195

moder 250.45 CB Matchbor, Compact self contained antenna matching unit enables maximum energy transter to antenna sysmaximum energy Iransier to sitenna sys-
tem. Simple adjustment of "Tune" and "Load" controls correct SWR up to $5: 2$ to give almost perfect $1.2: 1$ antenna match. Requires no external power source. Size: $4 \mathrm{x} 31 / 4 \mathrm{x} 2 \mathrm{H} \mathrm{\prime} \mathrm{\prime}$. Shpg. Wt., $1 \mathrm{t} / 2 \mathrm{lbs}$. 12 P 39141

Net 15.95
A/S M-250 Antenna Switch Only 23 a " long by $13 \mathrm{~m}^{*}$ high by $13 / \mathrm{m}^{"}$ wide, yet, wiff handle a full 500 -watts average power with negligible insertion loss. Glves stable meter readings of SWR plus an additional scale shows relative output an ader. Designed for 52 -ohm Impedance Ilines. Supplled with universal mounting brachet for inline applications. Shpg. wt., 8 oz.
42 P 21040
Net 13.25

## E. F. JOHNSON CB Matchbox <br> ox

## $15^{95}$



Only $45^{69}$
with batteries

## CB and Ham SWR Mini-Bridge

## 13 25



- Handles A Full 500-Watts Average Power


Four position coaxial switen with no insertion loss. This unit allows the use of horizontal, vertical, auxiltary or horizontal/vertical antenna systems. Shpg. wt. 2 los.
42 P 10639

# Lafayette CB Replacement Parts \& Accessories 

12 VOLT DC POWER CABLE


Consists of one hot red lead and one black ground lead. One end of assembly terminates in a rugged 3 confact female plug, ready for mating with chassis power socket. The opposite end terminates in lugs for solid cannections to the battery point and ground. Midway in the line is a durable plastic holder contalning a protective fuse. Features well soldered connections, strong wire. Overall length approximately 6 feet long. For HB500 , A. HB-555. HB-525 Series, HB-625 H8-23. Telsat 150 , Telsat 50 . HA 750 , PB-50, PB-150. HA-39, 42, 45, 46, 153, 155, HA-159. 99 P 31106 imported. wt., 4 oz . Net 2.89

## DC POWER CHASSIS JACK



Mounts on chassis rear and accepts plug of 12 volt OC power cable 99. 31106 above. Used in HB-500, A. HB525 series, HB 625. HB-23, HA $750, \mathrm{~PB}-150$. PB-50, HA-39, 42, 45, 46, 153. 155, 159, Telsat 150 and Telsat 50 . etc. imported.
99 P 63638 Shpg. wt. 2 oz. Net .89 CABLE ASSEMBLIES


FOR COMSTAT 23, 25, 25A, 25 B
$A C$ Cable Assembly. $53 / 4 \mathrm{ft}$. of durable cable terminating in dual orong power plus on one end and in 8 -prong octal socket on other. Shpg-wt. 502.
99P 32401 imported
Net 2.15
OC Cable Assembly. $42 / 2$ it. fused DC Cable tinned on one end and terminating in octal socket on other. Shpg. wt., 5 oz.
99 P 31825 Imported
Net 2.50
For Comstat 23 MK V \& MK VI
AC Cable Assembly. Shpg. wt., 5 oz 99 P 32419 Imported Net 1.95 AC CABLE ASSEMBLIES FOT ME-20. A, B, C HE-43, $A, B, C: H E-45, A, B ; H E-50, A, H B-$ 333. Shpr, wt., 5 oz .

## 32 ค 09327

Net 1.95

> HEAVY DUTY CB MICROPHONE CABLE


- 3 Conductors Plus Shield

A durable coiled cord, retractable microphone cable with 3 insulated conductors, one of which is shielded. Extends to 5 feet and retracts to 10 inches. Is used with lafayette HB-500.A. 525 series. HB-625. Telsat 23. Telsat 50 , Telsat 150 , Micro-12. etc. imported.
99 P 63620 Shpg. wt., 4 oz. Net 2.49
MOBILE MOUNTING BRACKETS

Complete with top mounting holes, and with adjustable side mounting holes for knurled screws. Used in Lafayette MB-525 Series. HB.625, HA.750, PB.50 and PB-150, Telsat 50. Telsat 150 . efc. $63 / 4 \times 2 x^{3 / 4} "$. Imported. $99^{\circ}$ P 6358 Shpg. wt., 5 oz. Net 1.49 Same as above but for Lafayette MB-555, HB23. HA-39, 42, 45, 46. 153. 155. HA-159. $61 / 4 \times 21 / 4 x^{3} 4^{\prime \prime}$. Imported.
99 P63596 Shpg. wt., 4 oz. Net 1.49

## 27 MHz WALKIE-TALKIE TELESCOPING ANTENNA


Attractive and highly effici. ent 12 sectlon chrome plated brass telescoping antenna for "walkfe tathie" trans. ceivers. Measures 52 " fully extended and $5 \%{ }^{\circ}$ " retracted. Has "8.32 threaded stud and nut at bottom for easy mounting, and soldering lug for electrical comnection. ShpR. wt., 5 oz. Imported. 99 P 30082 Net 1.95

## LAFAYETTE MINIATURE

 MICROPHONE CONNECTORS
(A) Microphone Plug for CB and Amateur Microphones. Precision engineered and sturdity constructed. Plug takes any 4 conductor (or 3 conductor with shield). coiled cord or straight cable Features threaded retaining ring for positive locking, Integral cable retalning clamp. and polarizing keyway. Size: $11 / 4^{\prime} \mathrm{L} \times 1 / 2^{\prime \prime} \mathrm{D}$. Used with microphone in Comstat 23, MKV. MKVI. Comstat 25, 25A, 25B, HB-444, HB-444 125. HB-444/254. Comstat 19. Imported. 99 P 62630 Shpg wt., 3 oz. Net 1.59 (B) Microphane Chassis Socket Mounts on equipment chassis or panel and mates with 99-62630 plug. Size: $3 / a^{-\prime \prime} \times$ ho" Dia. Re-
 quires " 5 " mounting hole. Used in Comstat 23. MKV. MKVI. Comstat 25A. 25B, HB-444/ 25A. Comstat 19. Imported. Wi. 3 ot. 99 P 62648

Net .99

## MICROPHONE PLUG

Attractive, sturdy piug used with HB-555. HB-600. HB-600A. HA-650, HE-20D, HB-525 Series, HB-625, HE-201. HB-23, HA-750. Tel. sat 23. Telsat 150 . Telsat 50 and Miero-12 microphones. Four male prongs on one end with retaining cable clamp on the other end. Sturdy molded plastic body with plated metal housing. Size: $5 \mathbf{b}^{\prime \prime} 00 \times 11 / 2^{\prime \prime}$ overall. Imported. Shpg. wt., 407 .

## 99 P 62838

Net 1.09


MICROPHONE CHASSIS

## SOCKET

Mounts on chassis rear of equipment. Accepts and mates with microphone piug 99 P 52838 above. Used in HB-555, HB-600, A, HA-650, HE: 20D. HB-525 Serles, HB. 625, HE-20T, HB-23, HA-750, Telsat 23, Tel sat 50 Telsat 150 and Mirro-12. Imported. 99 P 63646 Shpg. wt., 2 oz. ... Net .99 ILLUMINATING PILOT LAMPS
 5 Meter llluminating 1 amp. Operates on 6 volts $A C$ or DC. Used in Lafayette Comstat 23, MKV, MKVI, Comstat 25. Comstat 25A, 258, HB444/25A. Imported. Shpg. wt. 3 oz.

## 99 P 62622

Net 34 Channel Selector Dial Inaicator Lamp. Used In Lafayette HB-500. MB-525Series HB-625. H8-600, HE-20D, HE-20T. HA-39, 42, 45, 46, 153, 155, HA-159, HA-750, Telsat 150. Telsat 50. PB-50, PB-150, Micro-12. Imported.

99 P 63612 Shpg. Wt., 2 oz.... Net 29
CB CONNECTOR ADAPTERS

A) Adapts from an auto antenna plug (MotorOla trpe) to an SO-239 socket. Wt. 4 oz .

## 42 P 22014

Net 129
[B. Adapts from PL. 259 plug to a standard auto radio antenna jack (Motorola type).
42 P 22022 Shpg, wt., 402 . Net 1.29
gENERATOR NOISE FILTER

- Freq. Range 3.30 MHz
- Simple to Install
- Adjustable


Enables quiet receiver operation for Citizens Band, Amateur and industrial frequencies. Slandrial irequencies. Siand25 amps. Imported. 99 P 601 BB Shpg. wt., 5 oz , Net 2.60 VOLTAGE REGULATOR FILTER


- will Operate on 6-12. 24 s 32 volt Systems at all Frequencies

Eliminates nolses in communication recelv. ers caused by points in vollage regulator. Not voltage or frequency critlcal-no funing reguired. Shpr. wt.. 5 oz.

## 42 P 89013

Net 3.95

## ALTERNATOR NOISE FILTER



A highly effective filter for alternator equipped automobiles. Attenuates alternator nolse by 50 db . Can operate up to 32 volts DC. Results in quilet mobite recelver operation, Shpg. Wt., 4 oz.
42 P 49009
Net 3.49

## NEW! DELUXE 60-AMP ALTERNATOR

 AND GENERATOR FILTER

- Range 2.2 to 400 MHz
$7^{95}$
An effectlve ferromagnetic filter that wipes out annoying nolse. Easy to install. No need to tune since circuit attenuates noise at all radio trequencles.
42 P 21131 Shpg. wt., 1 lb Net 7.95
NEW! FEED-THRU
SUPPRESSOR FILTERS
As Low 50
Extremely effective Rf filters above 2 MHz suppresses noise due to regulators and generators at 27 MHz . Rated at $.5 \mu \mathrm{fd}, 50$ working volts. Shpg. wi., 6 oz .
42 P 21149 Rated at 40 amps Net 2.50 42 P 21156 Rated at 60 amps Net 3.25


## TRANSISTORIZED VIBRATORS



Shpg. wt., 802
For Vibrator Sockets with pin \#1 Positive. 42 P 79006

Net 9.95 For Vibrator Sockets with pin \#1 Negative. 42 P 79014 .................. 95


KNURLED SCREW
For mounting moblie bracket onto Lafayette HE-525, A. B, C, HB.555, HB-625, HB-23, HA-750, Telsat 50 , Telsat 150. PB-50. PB-150 and Micro-12. Imported. Shpr. wt. 302. 99 P 63604
For Lafayette Comstat 23, MKV, MKVI, Comstat 25, Comstat $25 \mathrm{~A}, 25 \mathrm{~B}, \mathrm{MB}-444 / 25$. 99 P 31833 Shpg. wt., 2 oz. .....Net . 45

# Lafayette Economy CB 2-Way Radio Systems 



## MICRO-23 ECONOMY 2-WAY RADIO SYSTEMS



## MODEL HB-525F 23 CHANNEL 2-WAY RADIO SYSTEMS



## LAFAYETTE Economy CB 2-Way Radio Systems



MOBHE SYSTEMS
Consists of: Lafayette H月-625A 23-Channel Solid.State C8 Transceiver with Integrated Circult ignition Noise Silencer; stainiess steel Body Mount Antenna: 20' RC.58/U Coaxial Cable Assembly. Shps. Wt. $131 / 4 \mathrm{lbs}$. 42 P92439wxM ........................Net 201.50 Same system as above exceot with Bumper Mount instead of Body Mount Antenna. Shpg. wt., $131 / 4 \mathrm{lb}$.
42 P92447WXM

## LAFAYETTE Economy CB 2-Way Radio Systems



## SAVE $\$ 10.35$



BASE SYSTEMS Consists of: Lafayette HB.600 23-channel crystal-controlled CB 2 way radio with 2 channels for industrial communications. Meavy-duty Cround Plane Antenra and 50 ft . RG.8/U coaxial cable assembly. Shpg. wt. $25 \mathrm{t} / 2 \mathrm{lbs}$. 42 P 92090WXM

Net 258.95 Same system as above except with "Super Range boost $1 I^{\prime \prime}$ deluxe $1 / 2$-wave end.fed an tenna. Shpg. wt., $291 / 2 \mathrm{lbs}$. 42 P92108WXM
You Save 14.05 from Individual Cata log Prices!
from Individual Catalog Prices Only 75450

Consists of: Lafayette H8-600 23-channel crystal-controlled CB 2 .way radlo with 2 channels for industrial communications, stainfess steel Body Mount Antenna, 20 ft . RG-58/U Coaxial Cable Assembly. Shpg. wi., 211/4 lbs.
42 P92116WXM
Net 251.50 Same system as above except with Bumper Mount Antenna. Shpg. wt., $211 / 4 \mathrm{lbs}$.
42 P92124WXM
Net 253.50


Cable


You Save 10.35 from Individual Catalog Prices!

## TELSAT SSB-25A 23-CHANNEL SSB/AM 2-WAY RADIO SYSTEMS



SAVE $\$ 16.05$
From Individual Catalog Prices
Only 3050
No Money Down*

BASE SYSTEMS
Consists of: Lafayette TELSAT SSB-25A AM/ SS8 23-channel crystal controlled CB 2-way radio; heavy-duty Ground Plane Antenna; and 50 ft . RG-8/U cable assembly. Shpg. wt., 241/4 lbs.
42 P92454WXM sysiem as above except with "Super Range soost $1 I^{\prime \prime}$ deluxe $1 / 2$-wave end-fed antenna. Shpg. wi., $281 / 4$ lbs. 42 P 92462WXM
You Save 16.60 from log Prices!

MOBILE SYSTEMS
Consists of: Lafayette TELSAT SS8-25A AM/ SSB 23 -channel crystal-controlted CB 2-way radio, stainless steel Body Mount Antenna. 20 ft . RG-58/ U coaxial cable assembly. Shpg. wt., $211 / 4 \mathrm{lbs}$.
42 P92470WXM $\qquad$ Net 302.50
Same system as above except with Bumper Mount Antenna. Shpg. wt., $211 / 4 \mathrm{lbs}$.
42 P92488WXM
Net 304.50
You Save 9.35 from Individual Catalog Prices!

SAVE $\$ 9.35$
From individual Catalog Prices
Only $3 \int 50$
No Money Down



LAFAYETTE Industrial Pocket Pager
Reach Your Man On The Move Instantly, Quietly, Privately!

EXCELLENT for: Factories, Hospitals, Warehouses, Farms, Research Compounds, Department Stores, Sports, etc.
CONTACT: Doctors, Nurses, Plant Engineers, Supervisors, Maintenance Men, Security Personnel, Oepartment Heads, and other Key Personnel.

- Save Busy Switchboard Time and Money!
- Minimize Disturbing Non-Private Paging!

Lafayette's Industrial Selective Pocket Pager introduces a new concept in realistic, economical local communications with vital personnel normally on the move. By Inserting or clipping the Pocket Pager into your shirt pocket you can easily be reached by your superior who operates a Lalayette solid state 27 MHz transceiver to which is connected a Lalayette selectlve Encoder-Decoder. With the Priva-Com IIIC Encoder-Decoder up to 23 different people can becalled vocally with a private message. The selection of the transceiver channel corresponding to the frequency of the individual you wish to call, followed by the activation of the call button on the Priva-Com unit breaks the Pager's silence with an audible tone and permits the message to be heard through the pager. Activation of the reset switch returns the Pager to silent standby. This amazing little Pager features an 18 -transistor, $\mathbf{5}$-diode superheterodyne circuit with RF stage for $0.7 \mu \mathrm{v}$. sensitivity, mechanical filter for superior selectivity, an internal ferrite bar antenna, an earphone/external speaker jach. etc. It is supplied complete with channel 6 crystal, plus 2 dummy filters required for operational check prior to actual use. It requires the insertion of any 2 of the tuning fork filters listed below. The Pager uses one $\$ .4$-volt mercury battery of one 5 -volt nickel cadmlum rechargeable battery. Size: $51 / 2 \mathrm{H} \times 25 \mathrm{hW} \times 1 / 400$. Shpg. wt., $11 / 2$ lbs. Less Tuning Filters and Battery. Imported.
99 P 35602L No Money Down*
Alternate Recelve Crystal For any CB channellt 46 Phan 10
tsee Page 443 on How to Order Crystals.
S.4 Volt Mercury Battery (1 required)

ACCESSORIES


32 P 67010
Nicad Battery Charger. Wi., 14i lbs. .....Net 19.95
40 P 79018 Earphone for Pager ................................Net $\begin{aligned} & \text { N }\end{aligned}$
LAFAYETTE Recommended Economy Pager Systems


HE-201
Priva-Com HIC
12 CHANNEL PAGING SYSTEM

- Lafayette Model HE-20T 27 MHz Transceiver Plus Channel 6 Transmit Crystal
- Lafayette Priva-Com IIIC Encoder-Decoder
- $1 / 2$ Wave Indoor Antenna with cable and connector
- Lafayette Industrial Pocket Pager Plus Tuning Fork Filters
Recommended for systems requiring private communication with up to 12 different individuals or with any number of people using up to 12 different channel frequencies. The Pager channel irequencies are pre-determined by the frequencies of the crystals in the HE-2OT which is supplied initially with crystals for channel 9 . Eleven additional pairs of crystats are required for 12 channel ooeration. Crystal frequency in each pager must match the associated HE-201 channel. A channel 6 transmit crystal for the HE-20T and 2 tuning fork filters for the pager are supplied for complete compatibllity. Complete system; 5 hpg. wt., $22 \mathrm{y} / 4 \mathrm{lbs}$.
42 P 92173 WXM No Money Down* $\qquad$ Net 221.50 See Page 443 for additional crystals for HE-20T. 450 Lafayette Cat. No. 730

23 Channel paging system

- Lafayette HB-600 27 MHz Transceiver
- Lafayette Priva-Com IIIC Encoder-Decoder
- $1 / 2$ Wave Indoor Antenna with Cable and Connector
- Lafayette Industrial Pocket Pager Plus Filters

Recommended for systems requiring private communication with up to 23 different individuals, or with any number of people using up to 23 different channets. The HB-600 is supplied complete with all crystals required for the 23 different channels. The crystal frequency of each pager must match the transceiver's channel it is supposed to receive. Shpr, wt. 23 los. 8 or.
42 P92181wxM No Money Down* $\qquad$ Net 355.95
-Sec Page 23 for Full Details on Easy Pay Plan

# Lafayette Priva-Com Encoder-Decoders 



Real Tiny: $11 / 4 \times 3 \% / 2 W \times 61 /{ }^{*} 0$

Using an ingeniously designed ceramic and resonant tuning fork circultry instead of conventional reed relays, the diminutive Priva-com IIC is exceptionally adaptable for reliable mobile as well as fired station performance. Its dual tone signal minimizes the possibility of the transceiver speaker being turned on by stray ignition and power line signals. The Priva-com Ilic mutes the receiver. When its call witch is activated, elther at base or moblle stations, the CB receiver is activated and the indicator light goes on. This light stays on untll

## PRIVA-COM® IIIC SOLID-STATE ENCODER-DECODER

## For Lafayette 12 Volt Solid State CB Transceivers

- 9 Transistors plus 2 Diodes
- Dual Tone Minimizes Stray Signal Interference
- Mates Directly with Lafayette HB-555, HB.525A. HB-525B, HB-525C, HB-600, HE-20T, and Telsat 23 CB Tranceivers that have a Built-in Priva-Com Socket
- Compatible with Lafayette

Priva-Com III, IIIA, IIIB, IV and Priva.Com 10
manually reset. The Priva-Com IIIC features simple-to-operate pushbutton switches for Slandby, Normal (Reset) and Call; a Volume Control; Indicator Light; and a sturdy mobile bracket for mounting under dash, under transceiver, etc. Supplied with 2 plug-In selective ceramic and resonant tuning fork filters, one for 817.5 Hz , and one for 997.5 Hz . Pone frequencies. Size: $11 \mathrm{aH} \times 35 \times 6 \times 6 / 14^{\prime \prime} \mathrm{D}$. Imported. Shpg. wt. ${ }^{21 / 2} \mathrm{lbs}$
99 P 32427
Net 39.95

PLUG.IN TUNING FORK SELECTIVE FILTERS for LAFAYETTE PRIVA.COM IIIA, IIIB and IIIC
Choice of any two different Irequencies listed below for those wishing to vary their Priva-Com IIIA. IIIB and IIIC frequencies. Shpg. wt., 202.

99 P 35545 For 922.5 Hz
99 P 35552 For 967.5 Hz
TUNING FORK FILTERS FOR PRIVA-COM
99 P 35560 For 997.5 Hz
Each Net 4.95

99 P 31189 For 817.5 Hz
99 P 31197 for 862.5 Hz
99 P 31205 For 922.5 Hz
99 P 31213 For 967.5 Hz

## PRIVA-COM V ENCODER-DECODER



This highly dependable encoder-decoder mutes the CB receiver untlf Priva Com dual tone signal is recelved. Upon receipt of this signal the incoming call indicator light goes on, the horn or external alarm, if connected to the Priva-Com is operated and the receiver speaker is activated for audible communications. Both base stations or mobiles can initiate calls. Is not compatibie with Priva-Com IIIA, IIIB,

42 P 01497 For Tube Transceivers
Net 29.95

- 10 Dual-Tone Frequency Capability
- Incoming Call Indicator Light
- Operates Horn or External Alarm
- Mates Directly with Lafayette Comstat 25 and 25A
Tube Type CB Transceivers: and with HB-525, A, B, C, HB-600, HE-20T, and Telsat 23 SolidState CB Transceivers When Used With Adapter Below


## ADAPTER FOR PRIVA-COM V FOR SOLID STATE CB TRANSCEIVERS.

Adapts Priva-Com $v$ for direct mating and efficient performance with Lafayette M8-525, A, B. and C, HB-600, HE-20T, and Telsat 23 sotid state CB transceivers with built-in Priva-Com socket 42 P 01570 Shpg. wt., $11 / 2$ Ibs.

## with Moblle Mounting Brachet

- Converts Any CB Radio To An FM Monitor Receiver Plugs into antenna circuit for simple installation and operation. Requires 12 VDC for operation. Will not intertere with normal $C B$ operation when switched oHf. Features 2 -channel operation. Works thrrugh Channel 9 . Squelch circuit.. CB transceiver mutes bachground nolse between signal reception. Comes complete with mobile mounting bracket, hook-up wire. Separate antenna jacks (not included in Low Band model) for proper monitor antenna to allow professlonal quality reception in fringe areas. Sensitivity .5 mv for 20 db of quieting. Ideal for use on boats to monitor U.S. Weather Bureau stations on 162.40 or 162.55 mHz . Size: $4 \mathrm{w} \times 13 / 4 \mathrm{H} \times 43 / 4 / \mathrm{D}$. Specify exact operating trequency. Comes less crystal (see listing below). Allow 3 weeks for defivery. Shog. wt., 2 lbs.
42 P 10712 Low Band $30-50 \mathrm{MHz}$ to CB
Net 39.95
42 P 10720 High Band $14 \mathrm{~B}-174 \mathrm{MHz}$. to CB Net 39.95 42 P 10738 UHF Band 450470 MHz to CB Net 39.95
crystal Certificate for Ascom Converters. Send filled out certificate, one for each crystal, to the manufacturer. Mfr. will ship crysiai directly to you, postpaid, within 30 days. Specity Exact Monitoring frequency.
40 P82103r No. C.O.D.'s


#  <br> WALKIE TALKIES by LAFAYETTE 

## LEADER IN 2-WAY CB RADIOS

No LIcense Required, F.C.C. Regulation Part 15
(A) "Astro Commander" CB Walkie-Talkie HA-70d

- Not a Kit-Completely Wired
- Interstage Transformer for More Sound

Compact 3-transistor walkie-talkie features a sensitive superregenerative receiver for minimum noise pick-up when voice signal is being received. Crystal controlled transmitter provides range up to $1 / 4$ mile. Has push-to-talk button, off-on volume control, and efficient speaker/mike. Supplied with
telescoping antenna, crystal, and battery. Size $51 / 2 \times 21 / 2 \times 1 \frac{1}{2} 9^{\prime \prime}$. Imported. Wt., $11 / 416$. 99 P 32138 L HA. 700

Net ea. $\mathbf{5 . 9 5}$ 99 P 60212 Replacement Bat. Net . 31 Optional 9 V Lead-Acid Eattery plus Charger Imported.
99 P90169 Sheg, wit 5 oz.
Net 3.29

## ~B-EEEP~ <br> (B) 2-Channel, 7 Transistor Superhet CB Walkie-Talkie HA-73B



Power boost reflex circuit utilizes 7 Silicon transistors to achieve higher sensitivity plus Pi-network antenna matching for extended range. 2-channel operation permits greater flexibility. Call alert system sends or receives a pleasant alerting tone for convenlent calling. Case features beautiful die-cast chrome nighlighted front panel. Supplied with carrying strap, telescoping antenna. battery and plug-in crystals for channel 15. Size: $5 \frac{1}{6} \times 11 / 4 \times 2 \frac{1144^{\prime \prime}}{}$. Imported. Shpg. Wt., $11 / 4$ lbs.
99 P 32542L HA-73B

- All Sílicon Transistors
- Powerful Push-Pull Audio
- Built-in Call Alert
- Pi-Net Output

Extra Transmit Crystal (Specify Channelt)
46 P 15 Net 2.25 Extra Receive Crystal (Specify Channel $\ddagger$ )
46 P 10 .................. 25

99 P 60212 Replacement Bat. Net . 31
Optional 9 V Lead-Acid Battery plus Charger. Imported.
99 P 90169 Shpg. wt., 5 oz. .....Net 3.29
Eattery Eliminator.
99 P 31429 Shpg. wt., 7 oz. Net 3.15
$\ddagger$ See Page 443 for "How To Order Crystals"

## (C) 3-Channel 10 Transistor Walkie-Talkie

## With 1 1 1 / BEEEP~ <br>  <br> Call Alent

## Model HE-410

- Built-In Tone Alert Initiates Call
- "Range Boost" for More Effective Talk Power
- 3 Channels for Greater Versatility
- 10 Silicon Transistors for Dependable Power

Shpg. wt., 24/4 lbs.
99 P 32344 L HE-410

Complete hand-held portable 2 -way communications for everyone, everywhere: Hunting, fishing, boating, construction, warehouse, office and on the farm. Features a powerful Range Boost modulated transmitter and efficlent superheterodyne receiver in a lightweight, 16 ounce package. Call alert system sends or receives an alerting tone to initiate a call. Styled in a professionally designed black and brushed aluminimum metal case. Supplied with antenna, 6 penlight batteries, and a pair of plug-in crystais for channel 10 . Size $6 \% \times 2 \% \times 1^{1} / 6{ }^{\prime \prime}$. imported.

## Extra Crystals (Specify Channel $\ddagger$ )

46 P 15 Transmit
46 P 10 Receive Net 2.25

## Replacement Dry Cell Batteries ( 6 req.)

99 P 62580
Net ea.
Alternate Alkaline Batteries ( 6 req.)
99 P 63828 Net ea.
Battery Eliminator. Shpg. wt., 702.
99 P 31429 ... .... Net 3.15
\#See Page 443 for "How To Order Crystals"


## SUPER POWER LONG RANGE WALKIE TALKIE For Industry, Public Safety, Sports, etc.

## 3 Watts

Lafayette Dyna-Com 3b

* 3 Switchable Crystal Controlled Channel Positions * 7 Stage Transmitter with Range Boost for Greater Range * Superheterodyne Receiver plus RF Stage with $1 \mu \mathrm{~V}$ Sensitivity
- Extemal Microphone/Speaker Jack
- Ceramic If Filter for Superior Selectivity
- Variable Squelch and Aulomatic Noise Limiting
- Battery Condition/Relative R.F. Power Output Indicator and Signal Strength " 5 " Meter
- Jacks for External Earphone/Speaker, External Antenna, External Battery Eliminator, and for Charger.


## Only

6495
No Money Down*
FCC Type Accepted (26-28 MHz.) Parts 95(CB), 91 (industtrial), 93 (Transporta sion) D.O.C. Approved
L.afayette's newest and finest version of the popular Dyna-Com 3 walkie-talkie series is a veritable powerhouse teaturing 3 full watts of power with the flexibility of 3 erystal controlled switchable transmit and receive channels. Its 12 transistor 7 diode circuitry incorporates a sensitive supertet receiver with RF amplification stage. lightning surge protection. and a highly selective ceramic filter for effective adjacent chamnel rejection. Its automatic gain control, automatic nolse Jimiter, and variable squelch combine to achleve qulet operation. The 7 stage transmitter uses Range Boost modulation for nigher average talk power and greater effective range, and incorporates a TVI trap for minimum IV interference. The Dyna-Com 30 includes a combined battery condition, rela. tive RF power output indicator and recelved signal strength "s" meter. The external microphone/speaker jack permits the use of an optional plug in microphone/speaker while it is efther shoulder carried or belt carried with the optional leather carrying case. Actlvation of the wathie-talkie Push. lo-Talk switch is required for transmission when the external mike is used. acks are also provided for external earphore or speaker, external antenna, bat-
tery ellminator or external DC power and battery charger. Complete with battery holder with batteries, carrying strap, set of crystals for channel 10 . and FCC license
 99 P 32450 L Shpg. wt., $41 / \mathrm{l}$ Ibs. Net 84.95 Extra Transmit Crystal $\ddagger$ 46 P 15

Net 2.25
Extra Recelve Crystal 46 P 10
99 P 25413 Earohone
Net 2.25 Net 1.29

Dyna-Com 3b Special Frequency Modifications 26.620 MHz . (C.A.P.)

99 P 32583 YL
27.575 MHZ . (U.S. Gov't)
27.575 MHZ . (U.S. Gov't)
99 P 32591 YL
27.585 MHz . (U.S. Gov't)

99 P 32609 YL
FOR IMDUSTRIAL AMD TRANSPO Parts 91 and 93) $99 P 32617 \mathrm{YL} 27.235 \mathrm{MHz}$. Net 74.05 99 P 32625 YL 27.245 MHz ... Net 74.95 99 P 32633 YL 27.255 MHz 99 P 32641 YL 27.265 MHZ 99 P 326
99 P 32658 YL 27.275 MH

### 1.5 Watt 3 Channel WALKIE TALKIE

## Great for Industry, Farm, Boats, Sports

- 3 Switchable Crystal Channels
- Jack for Internal Charging
- Superhet Receiver with Less than $1 \mu \mathrm{~V}$ Sensitivity
- Battery Condition Indicator
- Push-Pull Modulator with "Range-Boost"
- Jacks for External Battery Eliminator, Earphone and Antenna

LAFAYETTE HA-420

No Money Down*


#### Abstract

Lafayette's HA-420 is a lightweight power ful walkie-talkie that features 3 -channel operation and 1.5 -watt transmitter input for lexible and dependable communications. The efficient superhet receiver Incorporates an RF amplifier for extra sensitivity, It's 13 transistor, 4 -diode circult features a bullt-in battery indicator, a high level push-pull modulator with RANGE-BOOST for greater range, variable squelch and automatic noise limiting for quiet communications, and 117 VaC operation with optional battery eliminator/charger. With telescoping antenna, battery holder (less batieries), set of crystals


for channel 10, FCC License Form 505. Size:
 ported.
99 \& 32674 L
Net ea. 37.95 Alkaline Batteries ( 8 required) 99 P63828 Wt., ea. 2 oz. Net ea. 45 117 Volt AC Battery Eliminator and Battery Charger. Shpg. wi, $31 / 2$ los.

99 P 25413 Earohone 46 P 15 transmit Crystal 46 P $10+$ Receive Cryst 46 P $10 \pm$ Receive Crystal Net 2.25
tsee Page 443 for "How To Order Crystals"



## LAFAYETTE DYNA-COM 23

## 23 Channel Crystal Control 5 Watt Walkie-Talkie

## ALL CRYSTALS SUPPLIED!

## 5 WATTS Portable Power

## 23 CHANNELS CRysial 23 Giannels CONTROLLED

## For Public and Personal Safety, Industry, Farm, Marine, Sports, etc.

* Unique Crystal Synthesis Circuitry For Dependable 23 Switchable Crystal Controlled Channels
$\star 5$ Watts FCC Maximum Permitted Input Power-In the Palm of Your Hand!
* Dual Conversion Superheterodyne Receiver with RF Stage for $0.7 \mu \mathrm{~V}$ Sensitivity
* External Microphone/Speaker Jack
$\star$ Automatic Compression Range Boost for more Average Talk Power and Greater Range
* Operate Mobile with Optional Adapter Cable

[^28]The ultimate in walkie-talkie design and performance, the Dyna-Com 23 features ingenious dependable synthesis circuitry resulting in 23 crystal controlled transmit and recelve channels with all crystals supplied; 5 watts FCC maximum allowable input power; and an attractive professionally designed sturdy lightweight housing for unexcelled versatility. In addition, Its 455 kHz mechanical filter assures razor-sharp selectivity with excellent adacent channel rejection. Its dual conversion recelver features excellent sensitivity, RF overload protection in the RF stage, automatic noise limiting, variable squelch and push-pull audio amplification. The transmitter of this hand-held portable powerhouse provides full 5 .watt legal limit input and "Range Boost", circuitry for greater average talk power and transmitting range.' The Dyna-Com 23 operates on 12 Nickel Cadmlum rechargeable batteries or 10 alkallne or dry cell batteries and may also be connected to your auto, boat, truck, or tractor 12 -volt battery and to an external antenna for efficient 23 channel moblle communications. It can also be used on 110 volt 50 Hz . AC with the optional battery eliminator/charger, and with a base station antenna for reliable 23 channel base station com. munications. One of the unique features of the Dyna-Com 23 is the external microphone/speaker jack which permits use of the optional plug-in microphone/speaker while the Dyna-Com 23 is either shoutder carried or bell carried with the optional leather carrying case, Includes shoulder carrying strap and FCC license application form 505. Size: $91 / 2 \mathrm{H} 31 / 4 \mathrm{Wr} 2 \mathrm{~K}_{1}{ }^{\prime \prime} 0$. Imported. Shpg. wt., $37 / 4 \mathrm{lbs}$. 99 P 32567 L Less Batteries

Net 129.95 99 P 25413 Earphone

Net 1.29

# LAFAYETTE Telsat SSB-25A CB 2-Way Radio / TRUE SINGLE-SIDEBAND plus AM 2-WAY RADIO 

 23 CRYSTAL CONTROLLED AM ChANNELS...Plus 46 CRYSTAL CONTROLLED SINGLE SIDEBAND CHANNELS (Upper plus Lower Sidebands)- Suppressed Carrier on Sideband for Greater Talk Power
- "Range Boost" and Automatic Modulation Control
- Dual Conversion Superheterodyne Receiver with Sensitivity of $0.5 \mu V$ on $A M$ and $0.15 \mu V$ on SSB
- Built-in Product Detector for Outstanding SSB Reception
- Continuously Variable Fine Tuning for Clarifying SSB
- Rf Noise Silencer Circuitry Plus Variable Squelch
- Large Illuminated ' $S$ '" and P-RF Meters
- RF Gain Control for Reduction of Overloading on Strong Local Signals and for Optimum SSB - Automatic Burglar Alarm Switch

MORE FEATURES


1. Large Illuminated Signal Strength " $\$$
2. Illuminated Channel Selector Dial Large lluminated P-RF Output Meter.
3. Volume, On-Off 8. RF Gain Controt 9. Variable Squelch Control.
4. Public Address External Speaker
5. External Auxiliary Input lack for Input Jack for
Tuner. Tape, Phono. Etc. (Rear) 12. Tape Record

Output Jack (Rear).
13. External Remote Speaher/Headphone lack (Rear)
14. Adjustable An. tenna Loading Coll Output. (Rear)
15. Ad justable TV Filter Network for Minimum TV inter. ference. (Rear)


## Compentible with AUL AM, DSE, and SSB CB Yranscaivaral <br> Onily <br>  <br> No Money Down*

- 15 Watts P-E-P SSB Input Power
- Crystal Lattice Filter
* For Base and Mabile Operation

Lafayelte's new Telsat SSB-25A AM-True Single Sideband Solid-State 2-way Radio has baen designed and engineered for outstanding citizens features thet result in addition to conventional 23 channel crystal-controlled AM transmission atn seceutivi, the Telsot CCO ESA inoorporatoo True-single Sideband features that result in the addition of 46 more channel modes of operation with much greater effective transmit power, as with a milnimum uf hoterferetice. Its tuwerful true" slisk sluebalid tiansmitter, instead of dissipating its power in the carrier and duplicate sideband, concentrates all its power in the single selected upper or lower sideband ... You get $100 \%$ taily power with far greater effective output and range! The transmitter aso reatures internal RANGE.BOOST circuitry and adjustabl antenna loading for maximum Rr outout. the 23 crystas controlled AM channels, the the 23 crystas controled AM enversion superheterodyne receiver receives 46 frequency modes on single sideband ( 23 on upper and 23 on lower sidebands) and reatures a multicrysta attice filter that providee maximum signat-tonoise ratio resulting in far greater usabie sensiivity while rejecting adjacent channe built-in ference. detector for superior reception of SSB transmissions, continuously variable fine tuning to clarify reception of SSB transmissions and to improve reception of AM stations, as well as enique multi-stage RF noise silencing circuity to minimize ignition type noise interference. Supplied complete with Push-to-Talk Dynamic Microphone, AC and DC FOWer Cables, Mabic 505. Mounting ara 117 VAC and mobile on 12.6 VDC. Negative or Positive Ground, Size: $91 / 5 \mathrm{w} \times 37 / 4 \mathrm{H} \times 11 / 4^{\circ} \mathrm{D}$. imported. Shpg. wt., $15 \mathrm{~L} / 2 \mathrm{lbs}$
99户32559wUX

## A Citizens Band 2-Way Radio plus A Police and Fire Monitor Receiver

VHF FM MONITOR RECEIVER
Tuneable Receive Plus 2 Crystal Positions

- Monitors 150 thru 174 MHz or 30 thru 50 MHz
- Manual Tuning Plus Two Switchable Crystal Positions for Optional Crystals
- Less Than $1 \mu V$ Sensitivity
- Telsat 150 Receives Weather Reportst


## CB TWO-WAY RADIO

- 23 Crystal Controlled Channels... All Crystals Supplied!
- 5-Watt FCC Max. Rating
- Dual Conversion
- $0.7 \mu \vee$ Sensitivity

MONITOR $150-174 \mathrm{MHz}$ OR $30-50 \mathrm{MHz}$ AND COMMUNICATE ON 23 CB CHANNELS


- 1-Integrated Circuit + 1 -FET +25 -Transistors +9 -Diodes
* Ideal Size For Car and Home
- 12 VDC Neg. Ground
- 117 VAC with Optional Power Supply
$2 \begin{gathered}\text { solu. Sinte } \\ \text { Unirsin... } \\ 1\end{gathered}$ For Volunteer Firemen, Auxiliary Police, etc.


#### Abstract

This exciting Lafayette innovation in the field of communications permits you to be. come an alert and informed citizen in your community! Now you can monltor the police and/or fire frequencies and immediately communicate with your family and with members of your volunteer fire or auxiliary police squad. The Latayette Telsat 150 and Telsat 50 are unique compact combinatlons of a 5 -watt 23 channel solld state CB transelver (all crystals supplied) and a VHF These units are expertly engineered for outstanding CB and VHF performance in outtruck, and boat. as well as in an office or home (with optional AC power supply). Complete with moblle mounting bracket and FCC icense application form 505. Less monitor crystals. Size: $21 / 2 \mathrm{H} \times 61 / 2 \mathrm{~W} \times 8 \mathrm{ml}$. Imported. shpg. wt. 7 lbs. elsat 150 (150-174 MHz) 99 P 32153 W Telsat 50 ( 30.50 MHz ) 99 P 32179 w 99 P 32179 W Net 149.95 Net 149.95


## ACCESSORIES

Model H8-5028 Matching AC Fower Supply for operation in the home or in the office 99 P 32088 W shpg. wi. $41 / 2 \mathrm{lbs}$. Net 23.50

Model HB-506A Portable OC Power fact. At taches to Telsat 50 or 150 to permit portable OC operation. Includes telescoping antenna and shoulder strap. Snpg. wt., $3 \frac{1}{2}$ lbs. 99 P 32336W Net 23.50 Batteries for HB-506A. Alkaline. ( 8 required.) 99 P 63802 Shpg. wi., 4 oz . ea. Net .52 Monitoring Crystal Certificate. Send filledout certificate, one for each crystal, to man ufacturer. Mir. will ship crystal to you, post age prepaid.
40 P B2103Y Specify Monitoring Frequency
No C.O.D Net 5.95
VHF Monitoring Antennas for Telsat 150
Roof or Trunk Mount Mobile Antenna
40 P 01137 Shpg. wt., $13 / 4 \mathrm{lb}$. Net 6.95 Base Station Antenna
$50^{\circ}$ Base Station Ant 2 lbs. 42 P 09102 Shog wi Cable Net 9.65
tconsult local weather bureau about reception on 162.55 MHz

# LAFAYETTE Deluxe HB-625A Solid-State Mobile 2-Way Radio 

## 23.Crystal Controlled CB Channels . . ALL CRYSTALS SUPPLIED!



##  <br> - Mechanical Filter for Superior Selectivity

- 12.Volt Mobile DC Operation; Portable
and 117 Volt AC Operation
with Optional Power Supplies
- Selective Dual Conversion Superhet Receiver
- 3-Position Delta Tune for Accurate Tuning

The M8.625A incorporates a highly selective 455 kHz mechanical Fitter to virtually eliminate adjacent channel splatter. It utilizes a nultistage RF noise silencer to keep Ignition noise interference from zetting into the recelver's audio without cutting the incoming signal strengit. Range Boost audio system uses revolutionary new IC microircuits for increased effective talk power. Variable squelch and standard ANL comblne with noise silencer to provide quiet, pleasur. $\rightarrow$ ble reception. Other quality feafures include built-In public address 3 mplifier facilitles with rear panel jack for hi-fi tuner or tape recorder nput. Operates instantaneously from 12 -volts OC positive or negative zround with low battery drain or on 117 volts AC with optional power supply. Supplied with mounting bracket, power cord, PTI dynamic

- Front Panel Transmit Mode Indicator Light
- Range Boost ${ }^{\text {TM }}$ Circuitry for Added Talk Power
- Built-in Public Address Amplifier Facilities
- With RF Overload Protection
microphone with colled cord, and FCC Form 505 CB License Applica. tion. Slze: $2^{3 / 4 H} \times 51 / 4 \mathrm{~W} \times 8^{2} \mathrm{D}$. Imported. Shpg. wt., $7 \mathrm{lbs} ., 8 \mathrm{oz}$. 99 P 32468 W No Money Down "....................................Net 199.95 Model HB.502B AC Power Supply for base station operation and Nicad Battery Charger.
99 P 32088 w Shpg. wt., $41 / 2$ lbs.
Net 23.50
Model MB.506A Portable OC Power Pack. Aitaches to HB-625A to permit portable DC operation. Includes battery pach (tess batteries), telescoping antenna, and shoulder strap. Shpg. wt., $3 \mathrm{l} / 2 \mathrm{lbs}$. 99 P 32336 W .
Batteries for HB-506A Portable Pack. "C". Alkaline ( 8 required). 99 P 63802 Shpg. wt., 4 oz. ea. ............................Net ea. . 52
runique RADIO FREQUENCY
10 Cu

Super quiet RF Noise Silencer utilizes a revolutionary integrated circuit. Unlike other simple ignition noise reducing circuits which operate in the audio stage to merely limit the noise, the RF noise silencer employs a receiver circuit to actually silence the receiver for the briel duration of each noise impulse-eliminates it before it even reaches the audio stages! You get spectacular reduction of ignition noise without distortion, audible holes or ignition noise withour disten and you'll know what really quiet reception is!

# LAFAYETTE HB-6OO Business and CB Solid State Two-Way Radio 



# 23 Crystal Controlled CB Channels ... All CB Crystals Supplied PLUS Choice From 5 Business Band Frequencies ! 

- 5 Stage RF Ignition Noise Silencer!
- Ultra-Stable Circuit Uses A Separate Crystal for Each Trans-mit-Receive Channel . . All CB Crystals Supplied!
- $0.5 \mu \mathrm{~V}$ Dual Conversion Receiver with 3-Position Crystal "Delta" Fine Tuning
- Mechanical Filter for Superior Selectivity and Adjacent Channel Rejection
- "Range Boost" for Greater "Talk-Power" and Range
- Draws 1 Amp. Max. on Full Transmit
- RF Overload Protective Circuitry

The "CB Commander" offers every feature you'll ever want in a 2-way CB radio-PLUS provision for Business Bandt operation! You get 23 crystal-controlled CB channels plus 2 extra Business Band channel positions--lets you choose from 5 Business Bandt frequencies$27.235,27.245,27.255,27.265$, or 27.275 MHz . Range Boost circuit increases average modulation and lets your voice cut through nolse to reach further! A dual conversion receiver provides high sensitivity -pulls in even the weak signalsi A unique 5-stage RF ignition Noise Silencer (Pat. Pend.) provides excellent Ignition nolse reduction, literally "chops out' ignition noise-even really weak signals become perfectly intelligible under severe ignition noise conditionsyou learn what quiet operation really means! Other top features in-

- Built-In 117 Volt AC and 12 Volt DC Power Supply for Base and Mobile Operation
- Noise Limiter Provides Choice of Audio Noise Limiter or Audio Noise Limiter Plus RF Noise Silencer
- Plug-in Dependable Sealed Relay Switching
- Pi-Network Output with Low Pass Filter
- Operates As a PA Amplifier with Optional PA Speaker
- Plug-In Facilities for Lafayette Selective Call Unit
- Phone Jack for Headphones or External Speaker
clude a mechanical filter for razor-sharp selectivity, Delta tuning, Variable Squelch, effective Automatic Nolse Limiter, Push-Pull audio, plus provision for Public Address operation with optional external speaker. Built-In solid-state AC and DC power supply permits low drain operation on 117 V AC of 12V DC (Neg. or Pos. Gnd.). Supplied with push-to-talk dynamic microphone with coiled cord and bracket, AC and DC power cables, "quick.release" moblle mountling bracket and hardware. Dimenslons: 4Kı" high. $1111_{1} "$ wide, $8^{\prime \prime}$ deep. Shpg. wt., 15 lbs., 4 ot. Imported. With all CB crystals; Less Business Radio crystals.

99 P 30710w
Net 249.95

## BUSINESS BANO CRYSTALS† (OPTIONAL)

The same crystal has both transmlt and recelve functions. Only one crystat required for each frequency listed.

| 42 P 42558 | 27.235 MHz | Net 3.95 | 42 P 42582 | 27.265 MHz | Net 3.95 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 42 P 42566 | 27.245 MHz | Net 3.95 | 42 P 42590 | 27.275 MHz | Net 3.95 |
| 42 P 42574 | 27.255 MHz | Net 3.95 |  |  |  |

TFCG Type Accepted Part 91 (Business Radio) Canadian D.O.C. Approved (Spec S-136) Separate Licenses Required for CB and Business Radio

# LAFAYETTE Comstat 25B 23-Channel Crystal Control Two-Way Radio 



## CB's Best Selling Tube-Type Transceiver!

Crystals Supplied for All 23 CB Crannels!

No Money Down*



- With Standby Switch for Low Current Instantaneous Operation
- Built-in 117 VAC, 12 VDC Solid-State Power Supplies for Base and Mobile Operation
- Dual Conversion Receiver Features $8 / 10 \mu \vee$ Sensitivity
- Range Boost Circuitry for Added Talk Power
- P Network and Low Pass Filter for Maximum Power Output
- Vari-tilt Mounting Bracket
- 11 Tubes, 2 Transistors and 11 Diodes

The pace-setting Lafayette Comstat 25B, with its high performance circuitry for exceltent mobile and base station operation. features a handsome mid-night-black and contrasting brushed aluminum front panel with complemertary multi-colored illuminated "S-PRF" meter and attractive controt knoos. A 2.5 kHz total spread fine tuning vernier facilitates accurate reception. Highly selective circuits greatly suppress adjacent channel interference ( $-5 \mathbf{5 d b}$ ). Variable squelch quiets receiver between calls. Crystal frequency synthesizer enables operation on all 23 CB channels with crystals supplied. No extra crystals are necessary! Built-in dual purpose power supply allows 12 VOC mobile and 115-VAC base station operation. Front panel switch converts transceiver to a handy 4.5 watt public address amplifier. A convenient front panel lack for headphones or external extension speakers for CB/PA is provided. Comstat 25 B also features push-to-talk relay switching and plug-in ceramic microphone with colled cord. Complete with varitilt mounting bracket which facilitates both easy mounting and optimum positioning of set as well as serving as an adjustable table top base. With FCC License Application Form 505. Size $12 \mathrm{~W} \times 81 / 2 \mathrm{D} \times 5^{\prime \prime} \mathrm{H}$. Imported, Shpg. wt., $191 / 2 \mathrm{lbs}$.

99 P 32146W ........................................................................................ 169.95

## LAFAYETTE HB-525F Solid-State Mobile CB 2-Way Radio <br> 23 CRYSTAL CONTROLLED CB CHANNELS . . AII CB Crystals Supplied!



## The CB Mobile Favorite!

- Dual Conversion for High Selectivity
- Variable Squelch Plus Series Gate Automatic Nolse Limiting
- Pi-Network for Optimum RF Output
- Mechanical 455 kHz Filter
- Large Automatic S/Prf Illuminated Meter
- Advanced RF Overload Protection (Pat. Pend.)
- 3-Position Crystal Delta Tune
- Transmit and Receive Indicator Lights
- Advanced AGC for Outstanding Audio
- Range Boost ${ }^{\text {TM }}$ Circuitry for Added Talk Power
- P.A. Amplifier When Used with Optional External Speaker
- 12 Volt DC Operation (Neg. or Pos. Ground)
- 117 VAC Operation with Optional AC Supply

Lafayette's most advanced model of the famous HB-525 series of CB transceivers. With all the great features including large Illuminated automatic S/Prf meter, recelve indicator light and simulated leather front panel. Crystal controlled synthesizer provides 23 channel transmit and receive operation..all crystals supplied. Dual conversion receiver incorporates 455 hHz mechanical filter plus revised If stage for high selectivity, superior adjacent channel rejection, and exceptional Automatic Gain Control and audio characteristics. Variable squeich quiets receiver when no signal is being received. 3-position crystal delta tune permits easy copy of off-frequency stations. Powerful 5 watt transmitter features range boost modulation clicuit for greater effectlve range. Large illuminated automatic S/Prf meter indicates signal strength on receive and RF output on transmit. Full public address provisions include audio input jack for tape recorder, tuner, etc. Also features Indicator lights for transmit and recelve modes. Supplied with PTT dynamic mike, mobile mounting bracket. DC cable. and FCC Iicense Form 505. Size: $2 \geqslant \times 61 / 4 \times 8^{\circ} 0$. Imported. 99 P 32492W Shpg. wt., 7 Ibs. ........................................ 159.95

## MOOEL H8-5028 AC POWER SUPPLY/CHARGER

For 117 VAC base station operation of HB-525F; also charges HB-506A Nicad batteries. Shpg. wt., $41 / 2$ lbs.
99 P 32088W
Net 23.50

## MOOEL HB-506A PORTABLE OC POWER PACK

Attaches to MB.525F for convenient portable operation. Shpg. wt., $31 / 2$ lbs.
99 P 32336W Less Batteries
Net 23.50

## $1759^{95}$ <br> No Money Down*


"C" Long life Dry Cell (B req.) for MB-506A. ShDg. wt., 402. 99 P63687 .......................................................... 25 ; 10 for 2.10 "Co" Alkalline, Alternate MB-506A Battery ( 6 req.)
99 P 63802 Shpg. wt., 402 oz. .........................
32 P 48887 Shpg. wt., 5 oz.
Net ea. 52
Net ea, 3.90

# A 23-Channel Crystal Control CB 2-Way Ruafio 

 PLLEAn Emergency Channel 9 Monitor Receiver!


## LAFAYETTE TELSAT-924

- Dual Conversion 23-Channel Receiver
- Single Conversion Channel 9 Monitor Receiver
- $7 \mu \vee$ Main Receiver Sensitivity
- 3-Position Crystal Delta Fine Tuning
- Individual Variable Squelch for Each Receiver
- Public Address Facilities
- R.F. Overload Protective Circuitry


## ONLY <br> 

No Money Down*

- 455 kHz Mechanical Filter
- "Range Boost" for Greater Effective Range
- Built-in 115 Volt AC and 12 Voit DC Power Supplies for Base Station and Mobile Operation
- Illuminated " $S$ "/PRF Meter
- Tape Record Output
- Adjustable TVI Trap
- Phone Jack for Private Listening


## Crystals Supplied for All 23 CB Channels!

## For Base Station and mabite aperation

A true milestene in the finest tradition of Citizens Band applications, the Lafayette Telsat-924 features a separate recelver for monitoring Emergency Channel 9 and superb 23 channel crystal control synthesis type transmit and receive CB two-way radio in one attractively designed compact unit. When a channel 9 Emergency transmission is received, the emergency monitor light blinks without Interfering with regular communications. Activate the Normal/ Monitor pushbutton switch to the Monitor position and listen to the message. You can immediately try to summon help via phone, etc. If further information is required, push the Normal/Monitor switch to the Normal position, switch to channel 9 on the channel selector switch, and communicate directly with the person reouiring help. The Telsat-924 Is excellent for base station and moblle business or personal communications and incorporates an outstanding trans. mitter with FCC maximum allowable input power and highly efficient power output., It includes "Range Boost'" circuitry for high average talk power and greater effective range, adjustable antenna loading for maximum RF output to the antenna, a T.V.I. trap for minimum TV interference, and a modulation indicator Hght .

The Telsat-924 features two superbly designed receivers. The main 23 channel recelver is dual conversion with $.7 \mu \mathrm{v}$ sensltivity at 10 $\mathrm{db} \mathrm{S} / \mathrm{N}$, image rejection of $42 \mathrm{db}, \pm 1.5 \mathrm{kHz}$ crystal delta fine tuning for hearing "off channel" stations. Individual variable squelch plus noise Jimiting, a 455 kHz mechanical filter for excellent selectivity, and R.F. overload protection. The channel 9 emergency monitor receiver features individual variable squelch, and a visual recelve Indicator light. Additional desirable features are output facks for external public address speaker, for tape recorder and for headphone for private listening. An llluminated front panel meter monitors "S" units on receive and relative power output on transmit. Supplled complete with dynamic push-to-talk microphone, mobile mounting bracket, DC cable for negative ground vehicles, and FCC license application Form 505. For 115 VAC and 12 VDC operation. Size: $41 / \mathrm{hH}$ $x 11^{1 \%}, W \times 8^{-0}$. Imported. Shpg. wt., $131 / 4$ lbs.
99 P $32435 W$
 Net 159.95

OC Cable for positive ground vehicles. Shpg. wt., 4 ot.
99 P 31064
Net
1.75

# LAFAYETTE Model HE-20T 5-Wott Solid-State Citizen Band 2-Way Radio 



## FCC Type Accepted

## For Base Station and Mobile Operation

- 12.Channel Crystal Controlled Transmit and Receive
- 23.Channel Tuneable Receive
- 455 kHz Mechanical Filter
- Priva-Com Private Tone Caller Socket
- "Range Boost" for Extra Talk Power
- Also a PA Amplifier When Used with Optional External Speaker

Only
$105^{55}$

- For 117 VaC Base Station and for 12 VOC (Negative or Positive) Mobile Operation
- TVI Trap
- Spotting Switch for Accurate Reception
- with RF Overload Protection (Pat. Pend.)

Newest addition to the popular ME-20 series of CB transceivers. This 13 transistor, 10 diode Solid State transceiver is ideal for fixed and mobile communications. Solid-slate circuitry features tow battery drain and provides instant operation; full 5 -watt transmitter input with efficient push-pull audio modulator plus 'Range Boost' for greater talk power, and an extra-sensitive supemeterodyne receiver with sensitivity of $.7 \mu v$ for 10 ab signai-to noise ratio. Fine seiectivity and adjacent channel rejection is obtained through a 455 kHz mechanical filter. Receiver also incorporates automatic floating series-gate nolse limiter and variable squelch control resulting in virtually no background noise between calls. Other features: dustfree transmit/receive relay, earphone jack for headphones or external extension speaker for CB/PA application, Hluminated " 5 " and relative power output meter, mobile mounting bracket and front panel-mounted $4^{\text {" }}$ speaker. Also features Priva-Com private tone caller socket. Complete with fused DC line cord for negative ground battery push-to-talk mike and set of crystals for channel 9 . Includes
 Shpg. wt., 15 lbs.
99 P 30884W No Money Oown ${ }^{\text {- }}$
OPTIONAL ACCESSORIES
99 P 11064 Positive gad. fused 12 VDC cord, Wt., 4 oz..Net 1.75 46 P 65 Extra transmit crystal (specify channel)t....... Net 2.25 46 P 10 Extra receive crystal (specify channel)t........Net 2.25 HE-20T Modified for $\mathbf{2 6 . 6 2 \mathrm { MHz } \text { (C.A.P.) operation }}$ 99 P 31023WXY $\qquad$ Net 115.95 HE-20T Modified for 27.575 MHz (U.S. Gov't) operation 99 P 31031 WXY ........................................................N HE-20T for 27.575 plus 27.585 MHz (U.S. Gov"t) operation 99 P 32385 WXY
tsee Page 443 for "How To Order Crystals."

Base Systems


SAVE $\$ 6.60$
From Individual Catalog Prices
121.95

No Money Down*

Consists of: Lafayette Model ME-20T 23 channel tuneable plus 12 channel crystal-controlled base and mobile solid-state CB transceiver: heavy duty Greund Plane An. tenna; $50^{\prime}$ RG-8/U low loss cable assy. 42 P 91639WXM Wt., $24 \mathrm{~L} / 2 \mathrm{lbs}$. Net 121.95 Same system as above except with "Range Boost $11^{\prime \prime}$ deluxe $1 / 2$ wave end-fed antenna. 42 P 91647 WXMWt., 26 lbs... Net 128.95

## Model HE-2OT ECONOMY 2-WAY RADIO SYSTEMS

Mobile Systems



* Full 5-Watt Maximum Input Power
* Dual Corversion Superheterodyne Receiver
* Full 23-Channel Crystal Control Capability
* "Range Boost" for Greater Range
* Burglar Alarm Switch
- Operates on 12 Volts DC Negative or Positive Ground and 117 VAC with Optional AC Supply
- Portable Operation with Optional Battery Pack
- Simulated Leather Front Panel
- 455 kHz Mechanical IF Filter
- Variable Squelch Plus Automatic Noise Limiting
- Large 5x3 inch Speaker for Superior Audio
- With RF Overload Protection (Pat. Pend.)

Solid-state ultra compact synthesis CB transceiver teatures superior automatic gain control and sensitivity, greatly Increased dependabitity, and lower current drain. Synthesis type frequency control section permits econcmical addition of 2 channels with each additional plug. in crystal. Carefully tuned 455 kHz mechanical IF filter assures razor sharp selectivity with excellent adjacent channel rejection. Oual conversion receiver with RF stage, reatures $0.7 \mu \mathrm{~V}$ sensitivity, automatic noise limiting, variable squeleh, and push-pull audio amplifier. Transmitter provides full 5 watt legal limit input and "Range Boost" circuitry for areater average modulation and transmitting range. II. luminated front panel meter monitors " S " units on receive and "PRF" output during transmit. PA Speaker/Earphone jack for silent listening or public address operation. Complete with automatic burglar alarm switch, dynamic push-to-talk microphone, power cable, mounting bracket, fixed crystals for channels 9, 13, and 19, and FCC application Form 5025. Size $6 \mathrm{~W} \times 80 \times 2^{2 \mu} \mathrm{H}$. Imported. Shpg. wt., $61 / 4 \mathrm{lbs}$. 99 P 32351 wx No Money Down*

Package of 10 Pluz-In Crystais, Converts HB-23A to full 23 -channel operation.
99 P 31742 Shpg. wt., 1 Ib. 2 oz. ..............................Net 19.95
HB-5028 Solid State 117 VAC Power Supply/Charger. Enables operation of HB-23A as a table top 117 VAC base station, also charges nickel cadmium batterles used in the HB-507.
99 P 32088W Neti23.50
Model HB-507 Portable Battery Pack. Adapts HB-23A for convenlent portable operation with shoulder strap. Less "C" batterles
99 P 31551 Shpg. wt., 3V/4 10s. .....................................Net 21.95
"C" Alkaline Battery for HB-507 (8 req.)
99 P 63802 Shpg. wt., ea. 5 oz. Net ea.

52
Alternate Nickel Cadmium Battery. Shpg. wt., ea. 5 oz. ( 10 req.) 32 P 48887


## The World's Smallest 5-Watt 12-Channel Two Way Radio!



# 12-Channel Crystal Control 5-Watt 2-Way Radio For: Car, Truck, Trailer, Boaz, Tractor, Plane, Snowmobile, Cycle, Etc. 

- 5-Watt Maximum FCC Legal Input Power
- 12-Channel Crystal Controlled
- Highly Sensitive Receiver with RF Stage
- Full-Time "Range-Boost" for Greater Effective Range
- Variable Squelch for Silent Standby
- Automatic Noise Limiting Minimizes Noise Pick-up

A boon to 5 -watt mobile communications! The Lafayette Micro-12 miniature trail blazer embodies exceptional versatility and flexibility. Designed and buitt for extra rellable performance, its compactness and size make it ideal for moblle and portable communications. In addition to the outstanding features listed above, the Micro. 12 in cludes a 3 -stage transmit circuit with up to $\mathbf{1 0 0 \%}$ modulation capability, an antenna matching adjustment for maximum radiated power, and a highly sensitive receiver with Rf stage for $1 \mu V$ sensitivity at 10db $\mathrm{S} / \mathrm{N}$. The Micro-12 also features superior zener diode voltage regulation, very low current draln that permits continuous mobile operation-even with the motor off, a TVI trap for minimizing N interference, an illuminated channel indicator diat, and an 8-16 ohm external earphone/speaker jack for private or remote listening. Supplied complete with push-to-talk dynamic microphone with retractlle cord, "quick-release" mobile mounting bracket, channel 10 crystals. DC power lead, and FCC form 505. size: $5 \mathrm{~W} \times 1 \mathbf{N}_{4} \mathrm{H} \times 71 / 2^{\prime \prime} \mathrm{D}$.
99 P 31957 W Shpg. wt., 41/3 lbs
5.......................................

Net 89.95
46 P $15+$ Extra Transmit Crystal (specify channel) ..........Net ea. 2.25
46 P $10+$ Extra Receive Crystal (specify channel) ..........Net ea. 2.25

- Mechanical IF Filter for High Adjacent Channel Rejection - Operates on 12 Volts DC Negative Ground (Easily Convertible to Positive Ground). on 117 VAC with Ontional AC Supply. and with Optional Portable Battery Pack
- Very Low Current Drain: Less than 0.7 Amp. on Transmit

Micro. 12 Modified for $\mathbf{2 6 . 6 2 0} \mathrm{MHz}$. C.A.P.
99 P 3231 owXY No Money Down*
Net 99.95
Micro. 12 Modified for $\mathbf{2 7 . 5 7 5}$ plus $\mathbf{2 7 . 5 8 5} \mathbf{~ M H z}$. U.S. Gov't. 99 P 32328 wXY No Money Down*

Net 109.95 micro. 12 Modified for 27.980 MHz . (Coast guard Auxiliary). 99 P 32393 WXY No Money Down*

Net 99.95
H8-509A Portable Battery Pack. Attaches to Micro-12 for conversion to portable operation. Supplied with telescoping whip antenna, battery condition meter, microphone ellp and shoulder strap.
99 P 32260 Less Batteries. Shpg. wt., 3 lbs. 5 oz .
Net 23.50 Alkaline Battery for HB-509A (8 rea.)
99 P 63802 Shpg, wt., 302.
Net ea.
.52
Alternate Nicad Battery for HB-509A ( 10 req.)
32 P 48887 Shpg. wt., $50 z$.
Net ea. 3.90
HB-512 aC Power Supply. Permits 117 VAC operation of Micro-12 and charges optional nicad bateries used in HB-509A. Shpg. Wt., 43/4 lbs. 99 P 32278 tSee Page 443 for "How to Order Crystals."


## The World's Smallest 23-Channel 5-Watt 2-Way Radio



All 23 Channel Crystals Supplied!. . . Goes Where You Go!


Mobile: For Car, Truck, Trailer, Boat, Plane.

Portable: For Hunting, Cycling, Sports, etc. With Optional Pack.

Base Station: For Home and Office with Optional AC Power Supply.

Sensitive Dual Conversion Receiver.

* Powerful 5-Watt Range Boost Transmitter.
* Miniature Size. . Only $5 \mathrm{~W} \times 13 / 4 \mathrm{H} \times 71 / 2^{\prime \prime} \mathrm{D}$.
afayefte, long-standing CB leader, brings you the exciting featurepacked, minlature Micro-23, 23 channel crystal controlled $C B$ transciver with all erystals supplled at a sensational low price. Meticulously englneered and bulit for extra reliable performance, its compactness and size make it ideal for mobile and portable as well as for base station communications. This highly dependable solldstate ultra compact synthesis CB transceiver has excellent sensitivity, superior automatle galn control and low-current draln. Channel selection is achieved through activation of a single convenient channel selector switch. The Micro-23 features a transmitter that provides full 5 watt legal ilmit input, "Range-Boost" circuitry for greater average modulation and transmitting range, and a TVI network for minimum TV interference, Its outstanding dual conversion recelver with RF stage features 0.7 uV sensitivity, variable squelch and automatic noise limiting, efficient push-puli audio amplifier, and a caresully tuned 455 hMz mechanical fitter for rapor sharp siectivity with ancellent adjacent channel rejection. Its sealed transmit-receive plug. in relay assures highly dependablo lone-tasting trouble free opera-


## - Operates on 12 Volts DC Negarive or Positive Ground <br> -117 VAC and Portable with Optional Packs

## LAFAYETTE Telsat SSB-50 Mobile Two-Way Radio



23 Crystal Controlled AM Channels... Plus 46 Crystal Controlled

> Compatible with all AM, DSB, and SSB CB Transceivers! our $289^{95}$

$\star 15$ Watts P.E.P 'SSB Input Power

$\star$ Crystal Lattice Filter

- Suppressed Carrier on Sideband for Greater Talk Power
- "Range-Boost" and Automatic Modulation Control
- Dual Conversion Superheterodyne Receiver with Sensitivity of $0.5 \mu \mathrm{~V}$ on AM and $0.15 \mu \mathrm{~V}$ on SSB
- Built-in Product Detector for Outstanding SSB Reception
- Continuously Variable Fine Tuning for Clarifying SSB

In addition to the deluxe features that result in exceptional conven. tional 23 Channel crystal-controlled AM transmission and reception, the Telsat SSB-50 Incorporates True Single-Sideband features that result in the addition of 46 more channel modes of operation with much greater effective transmit power, as well as in low noise, highly sensitive reception with a minimum of interference. Its powerful "true" single sideband transmitter, instead of dissipating its Dower in the carrier and duplicate sideband, concentrates all its power in the single selected upper or lower sideband... You get power the single selected upper or lower sideband ... You get transmitter also features internal RANGE-BOOST circuitry and adjustable antenna loading for maximum RF output as well as an adjustable TVI filter for minimum IV interference. In addition to the 23 crystal controlled AM channels, the dual conversion superheterodyne recelver recelves 46 frequency modes on single sideband ( 23 on upper and 23 on lower sidebands) and features a crystal lattice filter that provides excellent signal-to-moise ratio and selectivity resulting In far greater usable sensitivity while rejecting adjacent channel

- Automatic Burglar Alarm Switch
- Multi-Stage RF Noise Silencer Circuitry plus Variable Squelch
- Large Illuminated Front-Panel "S"/PRF Meter
- Built-in PA Facilities
- Input Jack for Tuner, Record Player, Tape Player, Etc.
- External Speaker/Headphone Jack
- Built-in 12.6 VDC Power Supply

Interference. The receiver also feafures a bulltin product detector for superlor reception of SSB transmissions, continuously variable fine tuning to clarify reception of SSB transmissions and to Improve reception of AM stations, as well as unique multi-stage RF noise si. lencing circuitry to minimize lgnition-type nolse interference, Its small size makes it ideal for mobile operation in cars, boats, tractors, trucks, etc. The Telsat SSB-50 also includes output jacks for external speaker or headphone, tape recorder, and PA remote speaker; and input jack for tuner, record player, tape player, etc. Supplied complete with Push-to-Talk Dynamic Microphone, DC Power Cable, Mobile Mounting Bracket, and FCC License Form 505. Operates mobile on
 Imported. Shpg. wt., 121/4 lbs.
99 P 32666W No Money Down*
Net 289.95
Model PS-50 AC Power Supply for Telsat SSB-50. Matching 117 Volt AC power supply that permits base station operation of Telsat SSB-50. 99 P 32682 Shpg. wt., $71 / 2 \mathrm{lbs}$. No Money Down* Net. 34.95

## 4-CHANNEL STEREO AT A PRICE YOU CAN AFFORO!

NEW! LAFAYETTE SQR-40 4-CHANNEL AM/FM 8-Track Modular Systam


LAFAYETTE'S 2 NEW 4-Channel MODULAR SYSTEMS Features

1) SQ 4-Channel Circuitry
2) 4 Separate Solid-State Amplifiers
3) "Composer" Circuit for Derived 4-Channel Stereo
4) Convenient Sllde Controls
5) Magnetic or Ceramic Phono Inputs
6) 4 Wide Range Speaker Systems


LAFAYETTE RADIO ELECTRONICS

IIT JERICHO TURNPIKE, SYOSSET. L.I., N.Y. 11791


[^0]:    LA-524 and 2 Criterion 50 Speaker Systems See Page 53 for description of Criterlon 50 A speaker systems. Shpg. Wt., 54 lbs .

[^1]:    Szitem Response: $30-20,000 \mathrm{~Hz}$ : Wooter: $10^{-}$acoustic suspension high compliance with long excursion cone and $2 \mathrm{ib} \mathrm{t}^{6}$ oz. magnet structure and $114{ }^{\prime \prime}$ copper edge wound voice coll; Mid. Ranse/ Tweeter: Cone Type $3^{-}-1 / 2^{*}$ volce coll, 4 oz. magnet; Super Tweetor: Direct Radiator type: 1/2\%; Cressover Netwert: Electrical (L.C) enery transfer circuit; Crsesever Frequencles: 1600 it $10,000 \mathrm{~Hz}$; Power Capacity: 40 Watls; Impeterce: 8 ohms.

[^2]:    New addition to Lafayette's series of poly. styrene acoustic panel type speaker systems. Only $1^{\text {" }}$ deep. Its unique construction makes it impervious to extremes of temperafure. humidity, shock and vibration. Shallow depth permits mounting on doors, walls, ceilings or ordinary speaker enclosure. Speclfications: Power Cap.: 10W; Freq. Range: $\mathbf{4 0 - 2 0 , 0 0 0 ~ H z}$; Power Cap.: 10 M ; Freq. Impedance: 8 ohms; Size: Voice Coil: $8^{\prime \prime}$ dia., $1.05^{\circ} \mathrm{D}$. Shpr. Wt., 1 it. 21 P 56065

[^3]:    Low in price, high in quality provides eqcellent reproduction of the entire audlo range, $32 \cdot 19,000 \mathrm{~Hz}$. Uses the dual cone design-high compliant woofer and efficient tweeter cone. Solid die-cast metal frame keeps the 1 -inch voice coil and other moving parts in precision alignment with the 12 or. magnet, thus pre. venting distortion. Spring loaded, finger tip terminals are color coded for easy phasing in stereo systems. Resonant frequency 55 Hz , Impedance 8 ohms. Outside diameter $8244^{" ،}$ oepth $3 \%{ }^{\circ}$ ". Shpg. Wt., 5 lbs. 21 P01780W

[^4]:    SPECIFICATIONS:
    Free Air Resonance: $25 \mathrm{~Hz}_{2}$; Overall frequency Response: $20-$ $19,500 \mathrm{~Hz}$.; Flux Density: 9,000 lines per sq. cm.; Crossover: Mechanical at $1,000 \mathrm{~Hz}$., electrical at $3,500 \mathrm{~Hz}$; Power: 35 Watts program, 70 watts peak; woofer voice coil: $2^{2 \prime}$ dia.; tweeter, $3 / 4$ " dia.; Impedance: 8 ohms; Outside oiameter: $12 \mathbb{V a n}_{4}$; overall Depin: 61/2"

[^5]:    Terminates in 3 spade.lug terminals instead of phone plug. Imported. Shpg. wt., $1 / 410$.
    99 P 01695

[^6]:    - Sce Paer 23 for Full Defails on Easy Pay Plan

[^7]:    Magnificent performance from 2 -speaker system featurng a large $5^{n}$ wooter and a rich-sounding cellular horn tweeter. Besides highly sensitive FM and AM radio recep. tion, the 9245 features input mixing facilities in its cas. sette recorder for simultanequs recording of 2 separate sound sources. Other deluxe features include buili-in condenser mike, 3 digit tape counter with reset button, battery/record levet meter, built-In FM and AM antennas, tery/record tovet metic tape head cleaner, variable sound monitor tone automatic tape head cienat-in andomatic shut-on system. Operates on 4 selfcontained "D" batteries (included) or 117 VAC. 60 Mz . Includes batteries, earphone, and demo tape: size: $84 / 2 \mathrm{H} \times$ $12^{4} / \mathrm{W}$ a $37 / 4 \cdot \mathrm{D}$. imported. Shpg. wt., 10 lbs.
    27 P 780091
    .Net 99.95 99 P 62564 Extra " $D$ " Batteries ( 4 req.) Net ea. 19

[^8]:    - Records 2 Channel 8-Track Stereo Tape Cartridges

[^9]:    A quality low cost addition to your home music system. Just plug in to the tape or auxlliary input jach of your system, and you are ready to play back all pre-recorded 2 -channel 8 -track stereo tape cartridges. Cartridge slot door keeps out dust, improves performance. Iluminated track indicator fights tefls you which track is playing. Pushbutton selector changes tracks instantly. Frequency response 50 to 8 kHz . S/N Ratio better than 44 db . Attractive black and silver brushed aluminum front panel. Size: $87 / \mathrm{iW} \times 4 \mathrm{y} / \mathrm{H} \times 8 \mathrm{H}^{2} \mathrm{D}$. For $120 \mathrm{VAC}, 60 \mathrm{~Hz}$. imported. Shpg. wi., 9 Ibs.
    99 P 16107 W No Money Down*

[^10]:    ACCESSORIES for SONY 720U, 740, 920U, 940, 110 V , and 112 TV's
    Model BP/7 564. Shoulder rechargeable Dattery pach
    17 P 32296 Shpg. wt., $77 / 4$ lbs.
    Net 22.95
    Model OCC-2AW. Car battery cord. Net 15.95
    17 P 32601 Model VCA-1M Car window antenna. wt. 2 Va $^{2}$

[^11]:    17 P 24269

[^12]:    MOOEL M62Y "Level Loc" Audio Level Controller, now with a varlable indut level control. Automatically locks the volume level of a sound system, virtually eliminating annoying volume chonges. Dlasting. fadeout, etc. Level is predetermined by setting a single switch. Frequency Response: $20-20.000 \mathrm{~Hz}+2 \mathrm{dO}$. Input Impedances: 100K and 500 ohms: output approntmately 500 and 10 ohms. Cannon-tvpe connectors. Gain: low imped. Input to low output is $\mathrm{O}_{\text {; }}$ to hirh out. put is +22 ; high imp. Input to low output is +22 ; to high output is 0 . Battery operated, $21 / 2=117 \mathrm{~m}=51 / \mathrm{a}^{\mathrm{m}}$. ShDg. wh. 4 lbs .
    Complete with battery.
    44 P 75976 No Money Down *
    Net 80.00
    99 P 60212 Extra 9 volt battery
    Net . 31

[^13]:    This complete laboratory kit contains 135 precision engineered components required to do over 140 constructions and experiments except for 4 inexpensive " $C$ " cells not supplled. Components are used over and over again in assemblies that are bult on the two functional consoles and provide a meaningful insight to the world of electricity. The fully Illustrated 112 -page manual supplies a theo retical background for the experiments performed. You assemble electrica! circuits and make an electroscope, electromagnet, telegraph system utlizing Morse Code, a tripolar electric motor, burglar alarm system, and electrical generator. Voice transmission is ac complished by building a microphone, amplifier and speaker, and assembling a complete working telephone system. Provides an excellent perspective of the modern uses of electricity. This wit has much to offer in creativity, sound sclentific knowledge, and enjoyable exching experimentation with electrics most fascinating science. Imported. Shpg. wt., $31 / 2 \mathrm{lbs}$.
    19 P 23028 Complete Electrix Kit, less batteries...Net 16.95 99 P 62572 " "C" Cell ( 4 required) ....................t ea. 17

[^14]:    40 P 59291 Spade and pin tip
    Net .67
    40 P 59309 Pin tip both ends Net .67
    40 P 59317 Pin lip both ends Net. 60
    Heavy plated tips. Takes up to No. 18 wire, 1 " long, 2 ox. Net 50

    32 P 85244
    Pkg. of 10, Net 25

[^15]:    A small $\mathbf{1}^{-\quad}$ diameter camera tube for televising live scenes in many Industrial closed circuit TV systems. Its high sensitivity produces high quality pictures under normal room or industriat area lighting conditions. Has 600 to 900 tine resolution. Size: $61 / 4-1 \times 1=\mathrm{da}$. imported. Shpg. wt., 5 oz.
    92P 36022L

    No Money Down ${ }^{*}$ Widely Used in Concord. Panasonic, Unimetric and Other CCTV Cameras

[^16]:    

[^17]:    32 P21272 $31-012$ C UG260U *Plug 59U, 62U, 710 .

[^18]:    No. 302 Solderless Test Prod Type
    32 P 65063 Red
    Net .30
    32 P 65071 Black
    Net . 30
    No. 317 Phone Needle Test Prod
    32 P 65089 Red
    Net .33
    32 P 65097 Black
    Net. 33

[^19]:    In Seconds

    ## Folds

    437 - Ideal for Trailers, Mobile Homes, CampersModel LPV-TLT. Enjoy home living room TV/FM Stereo reception
    wherever you travel! Kit includes sensitive 9 -element gold-colored
    alodized VHF/UHF/FM 82-chansel color-TV antenna with manual
    rotator, gold-colored alodized aluminum mast. VHF/UHF/FM signal
    splitter, and $25^{\circ}$ of 300 -ohm loam twin lead. Famous patented all.
    channel log periodic antenna design performs where others fail.
    Pullis in vivid color and sharp black-and-white pictures. You can aim
    the antenna right at the station for ghost-free pictures with the
    unique JFD $300^{\circ}$ manual rotating mechanlsm that operates from
    Folds tenna into locked traveling position. When you're ready to watch TV.
    simply open it up.
    18 P 39315 W Shpg. wt., 10 lbs

[^20]:    Conventional male interlock socket. Standard type used on all television receivers. Heavily plated contact pins. $1 / 4^{\prime \prime}$ mounting centers. Shpg. wi., 30
    18 P 27187
    Net .19

[^21]:    Permits thruthe door identification without being observed. One way viewing only. Provides wide-angle view. Installs qulchiy. Requires $1 / 2^{\prime \prime}$ in diameter to fit any standard door thickness up to $17 \mathrm{~m}^{\prime \prime}$ thick. Cannot be removed from the outside. Rust-proof. Zinc die cast. Shpg. wt., 402.
    die cast. Shp
    14 P 65020

[^22]:    Finely crafted chrome and walnut desk is designed to blend with any decor. Perfect for the home study or office. Two storage drawers and a large extended desk top provide plenty of functional work space. Constructed of durable pressedwood Permaneer. Walnut-grained finish has the look and feel of rich. lustrous hardwood and is stain, heat, and seratch resistarit. Easily wipes clean with a damp cloth. Keeps lts beautlful woodlike finish with no special polishing care. Desk stands $29^{\circ}$ high on 4 sturdy chrome-plated legs. Oesk measures $48^{\circ}$ wide $\mathrm{z}^{20} 20^{\prime \prime}$ deep. Easily assembled with just a screwdriver. Shipg. wt., $53 \mathrm{l} / 2 \mathrm{lbs}$.
    20 P 16020 WX $\qquad$ .Net 29.95
    OPTIONAL CHAIR, has contour back with black vinyl fully padded seat. Walnut wood finish matches above desk. 20 P 23059 W Shpg. wt. $91 / 4$ Ibs.
    .Net 12.9 S

[^23]:    Net 8.95

[^24]:    Net 24.95

[^25]:    Same monitor receiver as Micro P-50A and P-100A except for 450 . 470 MHz . Has sensitivity of $1 \mu \mathrm{~V}$ or better, and operates on 12 VOC (neg. ground) as is, or 117 VAC 60 Hz with an optional AC supply. In

[^26]:    TYPE A-Consists of 20 ft . RG-58/U cable with PL-259 plus UG-175/u on both ends. Required for Ground Plane and Mobile Antennas termInating in a coasial lack. Shpg. wt., 12 oz.
    42 P 70013 Type $A_{i} 20 \mathrm{ft}$. length
    Net 3.25
    TYPE \&-Same as Type A encept one end is terminated with PL-259 plus UG-175/U and other end with universal ring type terminal lugs for mothile antennas. Shpg. wt. 11 ot.
    42 P 70021 Type $B_{;} 20 \mathrm{ff}$. length
    Net 2.95

[^27]:    Monitor 2 transceivers with one antenna, Transmit on either up to 5 watts. Efficient line splitter and coupler. impedance: 50 ohms. Frequency: 2.5 to 220 MHz . Insertion loss less than $1 / 2 \mathrm{db}$. Shpg. Wt., 6 oz .
    42 P 21107

[^28]:    - Public Address External Speaker Jack with PA Switch

    455 kHz Mechanical Filter for Razor-Sharp Selectivity and Adjacent Channel Rejection

    - Varfable Squelch plus Automatic Noise Limiter
    - Battery Condition and Automatic Relative RF Power Indicator/ " S " Meter
    - External Antenna Jack for Base Station and Mobile Antennas
    - Input Jacks for External Battery Source, Moblle Battery and Battery Charger/Eliminator
    - Push-Pull Audio Modulator Circuit
    - TVI Trap To Minimize TV Interference

