

## BARGANSI

# Nent 

 ompact TAPE RECORDER THAT HAS-. at aprice thats almost nothing!
Equal in quality and reproduction to any of the larger
and MUCH more oxpansive recorders-but cohsiderably and MUCH more oxpensive recorders-but cohsiderably
smaller, lighter, and ot a fontostic low price that's even hard for us to believe!
COMPLETE with Microphone, Reel of Tape and Extra Reel: Cholce of 2 Models $\left\{\begin{array}{c}\text { Model } 903 \ldots 33 / 4 \text { Inches per Second }\end{array}\right.$ Model $907 . .7^{1 / 2}$ Inches per Second

CHECK THESE FEATURES:

- Dual Track Recording
- Fast Forward and Rewind-Full 7" Reel Rewinds in 80 seconds
- Frequency Response Essentially Flat from 70 to 8500 CPS at $71 / 2$ IPS and from 90 to 6000 CPS at $33 / 4$ IPS
- Wow and Flutter Less than $1 / 2$ of $1 \%$ - Handles up to 7" Reels
- Two Hours Recording Time on One 7" Reel at $33 / 4$ IPS Using Standard Tape - 3 Watt Amplifier
- Inputs-Mike and Radio-Phono
- Outputs-3.2 Ohm for Speaker Plus High Impedance for External Amplifier
- Controls-One Operating Control for Record and Play and One Control Each for Tone and Volume
- Size—8 $8 /$ " " $^{\prime \prime} \times 10^{3 / 4} \times 11^{1 / 2 "}$
- Case-Aqua \& Beige Leatherette - Weight-Only 20 Lbs., Complete - Current-110-120 Volt, 60 Cycle A.C. - Price-Includes Ceramic Mike, Reel of Tape and Extra Reel


## $\square$ <br> -ace sccaca <br> HERE IS WHAT YOU GET! <br> CA ESPEY 512 C FM-AM Tuner BELL 2122B 10 Watt Amplifier WEBCOR 3-Speed Changer with. G.E. RPX-050 Triple Play Cartridge <br> G.E. 12" PM S12010 Speaker <br> $\square$ N

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## NEW BOOKS NOW AVALLABLE



No. UHF-1
136 Pages, 51/2 ${ }^{11 \times 81 / 2 "}$

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Fact-Packed to Give You all the Answers on These Vital UHF Subjects:

UHF Antennas - Transmission Lines Matching Natworks -- UHF Installation Practices - UHF Converters - UHF Tuners.
This book keeps you ahead in TV. makes you a UHF expert, brings you extra busi-, ness and profits. Get your copy today.

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VOL. 3. Covers 60 echassis, over 90 models used in 1948, 1949 and 1950 auto radio receivers. Each receiver is completely covered in uniform format, including schematic diagrams. chassis photo views, raplacement parts data. service hints, etc. 288 pages, $81 / 2^{\prime \prime} \times 11^{\prime \prime}$ ". illustrated, $\qquad$ No. AR-3
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## DESIGNED TO SPEED AND SIMPLIFY YOUR WORK



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 Here"s the radlo-TV service dita that saves and used dally by thousands nt Radio and TV siervice Techarcians. Complete, accur-ate-based on analysis of the actual equipment Uniform trwatment for each moilel. ncludes standard Notation schematics; uit maslysis and replacement parts data wave rorms; alignment data; record changet analysls-everything you need forquith, prontable servicing.

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three to four sets per month. S 175 Per Set.
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## TV TUBE LOCATION GUIDES

 VOL. 3. Shows the tube mostilons andfunetions in hundreds of important
TV recelvers. Wherever alternate tubes ure ased in a chassis their type and circuit sube fallure is the cause. and these clear, accorate dlagrams quickly locmte the raulty ubbe. All new deagrams continue data


WOL 2 Gives tube positions and fuvoLons in hundreds of TV receivers. Covers


Vot. 1. Covers hundreds of TV receivers


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TV TEST INSTRUMENTS. Tells how each test inst fument operates; describes funcuons of each cuntrol and shows proper meters, AA Suspai Gicuerators. Sweep Signal Generators, Oschltoseopes, Video Generators, Field Intedsity Meters,


TELEVISION ANTENNAS. 2NO EOITION. Describes all TV antenna types. Tels how to select and inst all satennas, of antenna prinelples and construction,
 Ne. 224 dages

SERVICIMG TV IN THE CUSTOMERES HOME. Shows how to dlagnoge trouble using capacitor probe and VTVM. Describes "tube-puling" method of trouble diagnosis. pertormance tests by means of plcturetest pattern. adjustment techniques


MAKING MONEY IN TV SERVICING. dhows how to start and operate a proatble scrvicing business. Covers: overall planning; initial investment; selection of budget and control; work control; overhead; service charges; purchasing; service ontracts; customer relations; collections;


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THE RECOROING AND REPRODUCTION OF SOUND. Enlarged 2nd Edicion New, completely revised and vastly enarged. Biggest selling volusie on the entire recording, with full nnalysis of recordert and techniques. Complete dats on ampliDers. speakers, microphunes, phonograyh equipment. P.A., etc Authoritative work Cusely Illustrated.

5785
AVDIO AMPLIFIERS. VOL 3. Provides UDIO AMPLI RRS. VOL 3. Provide portant audio smplifers, and full coverage of $\$ 2$ FMi dind AM tumers produced during 1950. Ansi;yes are trased on study of the actual equipment in the iaboratory. in
 10. Proluse

Vol 2 Covers 104 well-k nown audio amplifiers and 12 important tuners pro-


VOL. 1. Covers audlo equipment produced aler the war, throug


## RECORD CHANBER MANUALS

VOL. 4. Provides clear, easy-to-use elecrectard and mechangers, wire and on 38 differen made during 1951. Features exclumive "exploded" view diagrams, profuse photoraphic illustrations, full change ce. data; information on adjustments; service pars lists. All data is based on anaiyxis of the actual equipment. 288 pages, 8 . $x$ 11. 11 Custrated.
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VOL. 3. Covers 44 models made in 1949 and 1950 , including wireand tajue recorders. No. CM-3.
VOIL 2. Covers 45 changer models made in 1948 and early 1949, plus leading wire

YOL. 2 Covers 41 post-war record changers and wire, ribbon, tispe and paper disc

$5{ }^{5286}$

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# Greatest Najues <br> on the electronic market todar! <br> PLASTIC BASE <br> 1200 ft.-7" Reel <br> Homey Inter-Coms For and Business Use <br> Use as Baby Sitter 

 RECORDING TAPELafayette made a terific deal with one of the leading manutacturer ouality of the lead the country. Highest quality; ing tape in thermance for thousands af optayings. The finely pulverized sed base playticles are securely bound lo freqnency particies smooth, uniform coating. Freqnency response 40 , 15,000 cycles. Flacing in. At this pr Ancluded.

PER 1200 H . Roll.
Inter.0ffice
Communication
House to Garage Basement to Upstairs Farmhouse to Barn


## ONLYS7795

The handiest, most practical Inter.C
Laffyette offers voice communication in your home System you've eve Complete with modest budget. units at LOW, LoW and office
Operates on both AC power cord. 50 ft . of wire.
on both AC and DC. Handsome wire.
any linish plastic cabinet.

## 111 I $11] 5$

highme control and outlet box and two pairs of for use with television receivers. Does not afied picture in any way, but restricts the sound port for use during particularty headphones. Ideal grams. Excellent for the hard children's proothers, heavides audio portion of proaring -hard-of-hearing listeners control box permit ment. Consists of outlet box with equal enjoyance head phone sets with cable, 2 low feet of and standard phone plug, and instructiond loudspeakes rontains two phone jacks, a remote volume contron. Size of outlet and heariphone $11 / 4$. Shpr. wt., 5 lbs. of outlet box: $31 / 4 \times 21 / 1 \mathrm{x}$ 9.96

## sILENT TV VIEWING

TRIMM 632 HEADSET KIT For TV Sound Reception











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Loray Radio NEW YORK 13, 100 Sixth Ave. BCSTON 10.110 Federal St.


## UHIF <br> VHF FM



## Finco 400-A

## UHF-VHF antenna

## ALL-CHANNEL

## -Perfect Pictures

 120-150 Miles
## from Station

The patented Finco Co-Lateral An fenna is performance engineered for extreme fringe areas. Laborafory and performs two-bay yogi on low bend and four.bay Yagi on high chan nels. This gain is min high chan. both complete bands giving the ventage of "one antenne the adtransmission line", plus no worry over possible channel changes or future new low or high band stations and it's completely preassembled. Luss mast. Shpo wh preassembled.
MODEL 400-A Fince TY Antenna, List 55580
NET 32.34
S2L

FOR ALL CHANNELS 2 TO 83
The JeT2e3 combines the renowned JeTennd for conical with the latest UHF bowtie dipole for powerful dil-channel reception with only
one transmissicn line. Includes the sensational one transmission line. Includes the sensational lates the VHF prined circuit coupler which iso. use of one transmission sections and permits use of one transmission line. Hermetically into precise position elements fan instantly struction insures struchon insure everlasting corrosion resist. JeT2e3 shpg
List 1909 . wt. 7 lbs.
JeT2835, 2-8ay for fringe erea, motehine ransformer and Jelie coupler. shpg. wt. 12 lbs., List 39.60........NET 23.28

NET 22.50


Six element - wide spaced design. Suits every fringe and remote UHF ocation. Combines sharp directivity and ultra high goin. Picks up group of 10 channels on high end of UHF band. Receives 6 adjacent channels on low and of UHF spectrum. Assembly mount. ed forward of mast promotes superio gain and directivity. Excellent 300 ohm impedance match. Specify UHF channel desired. Shpg. wt. 5 lbs. Less mast.

Here is one of the most zutstending broadband UHF antennds ever perfected. Its uniformly high gain and exceptional directivity characteristics make it ideal for locations troubled by ground reflections and undesired sig. nals. The new JFD JeT Corner Reflector also enjoys a sharp forward unidirec. tional response with zero rear radiation plus o high frontoto bock ratio. A massive boom brackef employing hedry: duty bolts grips the mast over d $21 / 2$ of reflector and dipole assembly rigidity of reflector and dipole assembly. Elim. $90^{\circ}$ reflecting andion sustains perfect $90^{\circ}$ reflecting angle necessary for sharp, steday pictures. Less mast. Shpg. JeT No. UHF411 CORNER
FLECTOR, List 11.75 Net 6.91
AAA AnA AAXAN
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## JFD UHF BOWTIE-FLECTOR



Completely preassembled, it is capable of sharp. bright pictures on channels provides the highest average gaingle provides the highest average gain ond transmission line A vibrationy flector aathers and focusws maximum eneray on the bowtie dipole eliminates back reception thus reiecting reflec tions. Model UHF600 delivers everen gain of $71 / 2 \mathrm{db}$ across the UHF bend Edeh unit supplied with half wave matching transformer for easy stacting. Less mast. Shpg. wt. 3 lbs.
MODEL UHF611, List 7.50
NET 4.41

## JFD UHF JeT CORNER REFLECTOR



## HI-LO

INDOOR
UHF $\qquad$ VHF

Seconds to install. Receives clear picture immediately. Tuned to high and low. TV channels. No switches or rods to adjust. High signal gain. Height $20^{\circ \prime}$ width $32^{\prime \prime}$. Glaming gold appearance. Bakelite base. Aluminum bars. Modern desion to blend with bars. Moder. design to blend with any furniture Model 202 U.V. L

## UHF-VHF Antennas



VEE-D-X ULTRA Q-TEE







 Vee-D.x Ulera Q-Teo Antenne .... NET 8.38 Ulers a. Tee Denble. a 1 winhay array for merar
 Utire $\mathbf{a}$. Tee qued. a fuibr-hay array fire frluze Vee-D-x Uitra kalit wet qued lnotiop NET 36.10


UHF ALL CHANNEL "V'
Superior broadband characteristics across en tire UHF speetrum. 角ugged all-aluminum en struction. simple mechanical design. The criticat engle of the " $V$ " entenna is designed to give ancellent gain and directivity over the
Stock No. AN-13.
Model VR-L. singly, ec
. 51.65
In lofs of 3
...............1.49 E $^{\text {e }}$
simple universal mounting bractel. Permit VMF installation of UHF antenne to esisting
Stock No. AN-14, Model At, eo. 90
In lofs of 3............................... 81 ea Vee.D.X MM.3II "Mighty Metch", Printed cir cuit network permits using single 300 ohm antennas. Also permits single teansmission line to set or converter hoving seperate UHF and VHF antennes. Weatherproof polystyrene case Stock No. AN-15. Model MM-30. singly, ea. ....t............................... $\$ 2.40$
In lots of 3...............................2. 16 e.
UHF " $\mathbf{V}$ " stacting harness. Permits stecking
stoch No. MM 16
stoch No. AN-16
Model VRH, singly, eo.................. 48t

RADION
INDOOR
UHF ANTENNA

# I at ict $/ /$ BOOSTERS, CONVERTERS, ROTATORS \& ACCESSORIES 

NIW REGENCY DE-820 EOOSTER


New, hishly stable, compact TV booster. FeaNure: husclut are circuit zunbilizer-give maximum stability on all 12 TV channels by proliding inductive and capacitive neutralization, Incorporate higuah-puil thilede in benanced ceay oper tion Of-on wwtech controla both boopter and TV mef. Expellent tracking acf curacy. Has broad-band response on all Tiv both picture and wound for zreater TV enjoy both picture and mounding for optim um impednnce match-meparete tnputa and outputa for
72 and 300 ohm lines. Houoed in attractive 72 nnd 300 ohm lines. Houoed in attractive



NEW BOGEN UCT UHF CONYERTER


The Bogen Mode! UCT converter permits reception of the now UHF television stations (channels 14 to ${ }^{\text {a }}$ ) on present-
day YHF telavision sets. Installation of the converter requires no internal changes in the $T V$ receiver, and does not interfere with reception of VHF stations on channels 2 to 13 . Connects to antenna channels ${ }^{2}$ input of VHF NV sets for reception of all UHF TV stations. Completely selfcontained and easily installed. Incorpocontained and easily Mallory Inductuner for continuous single:knob tuning over entire UHF band. Torminals at rear for connection of
VHF and UHF antennas.
Handsomely VHF and UHF antennas. Handsomely styled brown plastic cabinet with gold markings. Supplied complate with tubes, instructions and $300-0 \mathrm{hm}$ (twin. load. Frequancy range 6AF4, 6897 , IN82 crystal selonium rectifier. Dimensions $8^{\prime \prime} \times 4 / 0^{\prime \prime} \times 434^{\prime \prime}$. Shpg. wt. 6 lbs .
gogea UCT UHF Converter, list $\$ 42.50$
Net 31.25
NEW UHF CONVERTERS
MALLORY UAF CONVERTER


Figs. A and Emedel DIR. Rugged antenna rotalang mechanism (Fig. E) and remate control unit with direction indicator (ibs. Provides full $360^{\circ}$ rotation; automatically, arops at ether end. Remote control unit has 3-position ywitch: start-stop-reverse. Direction is pointing. Rotating unit and wear train mounted in zinc die-tant water-proof houaing. For $110-1120$ volta 6 26.43

Figs. A and C Model ATR. Like Model DIR
 Figs. A and $D$ modai HIR. Similar rotating Wichanigm (Fig. E) as above but with automerely set control knob- antenna turns to se-
 Stock No. 16064,-4-Conductor Flat Cable, ${ }^{3}$ lbs. per 100 ft.
PER FOOT ........................................... 34
and TV cabinets inonize with fine furniture
and TV cabinets. Uscs special Mallory (nduc tuner in RF and qucillator stages
continuous tuning of all UHF channels. Slidecontinuous tuning of all urf channels. Shide rule dial for easy station selection. Frant dane control turnm TV set on and off. Has antenna operation, Broadband output permits use of channela 5 or 6 of TV aete as IF. Marcon plastic cabinet. $9 \times 7 \times 61 / 4^{\prime \prime}$. With tubes. For $110-12$



REGENCY MODEL RC-600
The Rezency converter is extremely simple to connect and use. Tecraina yard on UHF of chaskis has connections for line to UHF and VHF antennas, and for line to


## RADIART ROTATOR

TR-11 CDR Radiart Rotor the all-purpose rotor that has everything. Designed to fit all standard towers and masts up to $11 / 2^{2}$ OD. Completely weather proofed with no loose parts to assembie. Rotates in 45 seconds with high torque. Instantly reversible and locking, will not drift. Mahogany plastic control cabinat attractivaly designed, has electric moiner scale. dicate direction with a pogging seale. Control ever is ringer ip 4 wpe ontrols, ceble not supplied. TR-1I CDR Rotator.
26.44

TA-S Thrust Eearing to permit heavier antanna loads when using TR-II rotator. TA-S 2

POPULAR BOGEN BOOSTERS

modEL BAl-A. New, advanced circait features insure improved picture and sound reception. Two 6j6 dalin ( 18 db ) push-pull circuits provide high gain (18 high
with broad bandwidth $(6 \mathrm{mc})$ and high signal-to-noise ratio. One control tunes continuously from channel 2 to 13. "Off" position connects TV set directly to antenna for channels not requiring booster. Turns "on and off" automatically with the TV set. Inputs for 75 -ohm coax and 300 obm twin line. Housed in attractive decora-tor-styled brown plastic cabinet. $8 x 4^{1 / 1 / x}$
$41 / 4^{*}$. For $110-125$ volts. 60 cycle AC. U. ${ }^{2}$. $43 / 4$. For $110-125$ volts. 60 cycle AC. U. $L$.
Approved. With $2-6 \mathrm{~J} 6$ tubes, selenium Approved. With $2-6 \mathrm{~J} 6$ tubes, selenium rectiher $2 n d$
Shig. wt.. $41 / 2 \mathrm{lbs}$. mooti mal-A. List

## SUPER SONIC TV BOOSTER

 Reg. Price 32.50 9.95 ea.In lots af $3,9.45$ ea. Oeceiver. A aingle froat-panel codiate change-Oir-Operation, provides immediate changeaver between MrlF and positive-no other adjustmenta are necessary. Unit is selfpowered. Housed in an attractive mahogapy plastic cabinet. of exceptionally fine y plastic cabn. Has easy-to-read slide-rule giadern design. Has easy-to-read sice-rut and output impedanoes, 300 otms. Supplied complete with all tubes. ready for immediate ingtallation and use.
 tion from $110-120$ volts. 60 cycles AC. Shpg. wt., 7 lbs. List. Sthes. MODEL RC-600
36.71

SEC BOOSTER-CONVERTER


COMBINATION VHF BOOSTER AND UHF CONVERTER

The SEC booster-converter is a combina. tion YHF booster and a UHF converter in one compact unit. The unit enables any ${ }^{\text {N }}$ receiver now being manufactured to receive UHF signals and also have the booster necessary for VHF in fringe areas. It employs its own power supply a crystal mixer and two tubes, a $6 A F 4$ and a GUb. The boostar employed is slug-tuned and has a 75 -300 ohm input and output SEC Booster-Converter, list $\$ 59.50$

MASCO BOOSTERS


SKY-CHIEF MODEL
A two tube version of the above. Automati cally turns itself on or off with set by means of a magnat type relay. Uses two bab tubes and selenium rectifier. Exceltent signa to noise ratio, with broad bandwidth. Single control all channels. 300 or 50 mm . AC . operation wire. For Josins hamertone finished cas Baked mahogany hammertooe finished case wh. 7 lbs. Sky-Chief

NET 20.58

## SUPER SKY-CHIEF

More powerifil than above, 4 -tube plus rectifier. List Price $\$ 62.50$. Shpg. wt. 7 lbs Super Sky-Chief .............NET 36.75

300 OHM TWIN LEAD LINE

High quality low-loss lead-in for all TV and FM installations. Polyethylone
Stock No. $17140-100$ \%. 1.75

500 ft. 12.95

## HEAVY DUTY 300-OHM LINE



Extra high quallity. Heavier gauge wire and thicker insulation. 31/2C Per 100

Ft.
OPEN WIRE LEAD LIHE , aroe instaliations. poluntyrione
low.loss. high tonsile strength. insulatori, stock No. WR-10-100 tt. .4 .90
250 f.

## 5 AND 10 FT. ANTENNA MASTS

## Cormern Now corrosion-resist. ant 5 ft . steel mast made to fit all antapered with specially tasigned "Jam Fit" locking. Key, so masts fit into each

pher. $1 / 4$
O.D.
$89 c$
P21968-10 FOOT MAST-Similar to above but single 10 ft . length.............. 1.76 P22779-M101 Anfenna Mast. Same as above excepl seamless steol con-


I-TWISTUBE 300 OHM LINE
A romarkable, now UHF-VHF tubular twin lead. 20 gauge conductors are transpossed around pure polyethylene 5 point star thyyed core and covered wing outomati cally reduces interference pickup. Low loss stable, all weather construction. WR-19—Per 100 H... 6.50 Per ft. 7e 2-FENTUBE-AIRSPACED LEAD-IN
Now, at last a VHFUHF oval 300 othm twin lead with really mothing botweon con. ductors to interfore with their concentrated fiald of energy. The 20 gauge conductors are supported by helical polyethylene covering polyethylene tube. Nowhere there direct contact between the conduc tors and shield, thus reducing dielectri losses to the vanishing point.
WR-20—Per 100 f...5.15 Per H... $51 / 2 \mathrm{C}$

## HERE YOU ARE, SERVICEMENY SNAP UP THESE SPECIALS ON TV ACCESSORIES



## SAVE THAT TV TUBE

installed in minutes Performs for years!
$80 \%$ OF TUBE FAILURES ARE DUE TO LOW EMISSION! PICBOOST restores them to their orig. imal brilliance!


## YOKE EXTENSION

## harness

 Used in coniunction with the tube harness and the anode harness to faci servicing Provides extension assambly to chassis. Wired for RCA sets and coil STOCKsingly, No


## TV CRT

EXTENSION CORD
Permits testing of picture tube outside of chassis Fits any duodecal based tube. 5 color coded leads. $40^{" 1}$ long. Male and female bakelite sections. 1.06 stock No. TS-45, lots of 3, ea. singly, ea.


## RCA 240A1 TV

## SET COUPLER

Operate two or more sets from a single antenna. Eas to install Tood serew. There's no need to cut or splice the lead because connections are duto matically made when the serew caps are tightened installation is a matter of minutes.
RCA 240A1

TV SECOND ANODE


For TV picture tubas. silver ploted snap button. $11 / 2^{\prime \prime}$ diam eter rubber protected cap. Supplied with $12^{10}$ wire loads.
STOCK No. ${ }^{2} 5-47$. STOCK No. T5-47,
Lots of 6, 0.
Singly, eo.

## 甲t CONTACT CLEANER



RONICS "KINE TEST"
 milstithtion method-no
nerel to remove pither picture tulse or chassis
from cabinet. Junt reanolle lrad from pirture tube and plug - Kine electron ray tube to dynamkally check fila ment voltage, bias voltage. first anode volt liance control action. A valuable time-saver in service kerviceman. Fits almost anywhere Sixe. $41 / x^{x 1} 1 /{ }^{2}$ dia. Shpg;
Stock No. T5.55, NET 4.85


## HORIZONTAL REFRAMERS



Compensate for low live voltage, or any condition which leads to horizontal picture shrinkage! These units can be installed in a few minutes without remor ing the chassis from the cabinet.
Model A:-for optimum swaep and minimum change in high voltage.
Model 8 :-for use where centering is sccomplished without a centering potentiometer. Results in gain in horizontal sweep. increase in high voltage and STOCK No. TS-60. Modeal A
1.95

STOCK No, TS-61, Model B
1.50

## STAINLESS STEEL STRAP KIT

Replacement kit. Consists of 2 12-ft. stainless steel straps, stainless steel seals, triangular eyebolts. lockwashers, hexnuts. Puts an end to rust and corrosion.
STOCK No. T5-53, lots of 3, ea. ............. 1.34 Singly, ea.

## CHIMNEY and WALL MOUNTS

Adjustable mounting bracketa to at any ehimney. Oan be installed without
tools in 5 to 10 minutes. Over 80,000 pounds tensife strength. Complete with strapping. (A) Made of corrosion-resiat ant alloy.

Stock No. TS.42- Shpe. Wt. 4 lbe
3.30

This wall mount holds poles from "1" to $1 \%$ " in diameter,
and provides a 6 -linch clearance between the mast and the and proridea a 6-inch clearance between the mast and the is supplied complete with coll necessary inetructions and the hardware required to mount it. Shipping weight 3 poundn.
Stock No. TS-43,
$98 c$


## 

## MOUNTING AĊCESSORIES

Leg scraw oxpansion
STOCK No. TS.so
.................................NET . 09 ea.. 10 for .81 STOCK Na. TS.51
shank. $1 / 2^{"}$ long. Star drill. $1 / 2^{\prime \prime} \times \mathrm{x}^{5}$ for drilling in concrate..................... 04 eari, 10 for .36 STOCK No. TS-52

NET . 49 ea

1 TV serviceman to simulate fringe area signals when for the load is mancated near atrong local atation. A nearly constant 300 in mismatch of antegna lead to pet. Easily mounted on gabists caused by Slotted shaft for acrewdriver adjustment sum on cabinet or chasaid bracket and instructions. $7 / 2^{+}$dia., $1^{t}$ deep. Shapt: $1 / 4^{\text {a }}$, with mounting Stock No. Qj-3, NET.
I. 94

## VIDAIRE TEL-ATTEN

For all TV sets troubled with excessive signal. Reduces buzi in intercarrior sets. Vernier edjustmant for all signal areas. Poor sync., multiple images, beats in picture, atc., are easily eliminated with Tel-Atten. Simple mounting, simple installation
STOCK No. Ts-49, lots of 3, ea....



Singly, ө0, ............................................ 3.23

LIGHTNING ARRESTER For Reruler or Oral Jumbo Twin Lad. Doderwriters Lab oratoriee Approved. No Wire necepping or spreading of line easy mountins - Anywhere - inside or outaide. Complete with groand lug and complete with or pindow aill mountine fall

# Favorite of <br> TV Buyers, 

## Telewisian Accessories

 Dealers and Installers
## the Country

## Over

SUTERNAILS FOR TV LEAD-INS Orive-in type TV lead-in standoff. nsulator, wood. 2nd peren most con.mortar. Molded, low-logs. dielectric, pluk has universal type "key-hole slot to take fat twin-iead rast coucable. Makes an excelle ther and drive supernail through joint. $33 / /^{\circ}$ long. $63 \mathrm{c} . . . . .74$ Stock N
steEl guy WIRE ix strands of number 20 high. tensile strength galvanized seel wire Can be used for an of the ing prost quality guying wires your money can bus. P24927-50 ft. roll


J.F.D. Loom-up Mast

Iinc-plated seamless, 16 gauge stesl. toloscopint antenna motit. innulation
with guy rings. clomp! and in with guy lings, clampla)
hardware (lasi guy wife)
zU12-20 20 ft.mast $\$ 7.35$ XU123-30 30 ft . mast 12.98 zU1234-40 40 tt. mast 20.41
zU12345-50 50 ft. mast 33.38 Supplied with Base ZUB-2 ${ }^{1 / 4}$ -21/4. UNIVERSAL BASE A Typor TUOUNT. Heavy duty. O.D. mast. Shpg. List, $\$ 3.95$. Net.... 2.32 Stock No. TS-3

bected in minutes: without an be erected in minutes; wistable. pecial tools or design permils unIlmited spacing for maximum Complete with two
 bsnds snd bardware.
Stock No. 22046.
Lots of 3, ea................9996 Singly, ea.

ALUMINUM GROUND WIRE Fleary gange. high tensile Ftrength aluminum gronnd wire for use with lightning arresters and similar 59 proses. 1826 ft. coil. 1.59 P21935-500 ft. coil. . . 7.50

STEEL TURNBUCKLES
(1) $\Longrightarrow-\infty$ Takes up guy-wire slack. Rustprof vanized steel. Size
P24839. 10 for

MAST GUY CLARP ally a must for all telerision The mast guy clamp is prackas 6 guying woints. Will acinstallers and rep in the tonl kit and one-half inches in thing to keep masts up to diameter. Shpz. Wt. 2 dismeter. Shpe.
P 22782 - Model SRGC-1.

21 c
$\qquad$ -
GUY WIRE RING AND COLLAR
${ }_{\text {mast. Will }}$ Wit masts up to $18 / 4$.


"GRIP" GROUND CLAMP -ise-like grip on pipe. sharp pointed makes perfect contact. . . . . . . . . 15 c


3/8" PLATED GROUND RODS For use mhere gipe ground

 ${ }_{\substack{\text { P2 } \\ 10 \\ \text { Ofor }}}$


One of the mast popular and practical Ontenna mounts. Securely grips of rust.re.
 sistant itas. MS-13, singly, a.... 544
Stock No. M.
stock No. T5-29

CONXIAL STAND-OFF
TWIN LEAD STAND-OFF
ginale perep eye for coaxlal esble up
to
dismeter. Anchors cable
Hipes mecurely
10 $6969-31 /$
$10691-8{ }^{2} 1$
10 for $-\cdots 7{ }^{-10}$
10 fo

## ADJUSTALE

 STAND-OFFSFit any fize mast.
P16927-UT360, 3/5 LRAD
 MSOR COAXIAL, CABLE Pis924-Un360. 34 ......Ea. 114



Highly efficient. U/L approved. Re. quires no lead stripping. Size $17 / \mathrm{B}^{\circ \prime} \times$ $2^{\prime \prime} \times 3 / 4^{\prime \prime}$. Shpg. Wt. 6 ox.
Stock No. TS.11.
Lots of 10, ....................45c ea
Singly, ea. ............................... 50 e


Excelient for TV anteane昭itching. Reavy metal plite base. Double pole double throw, 2K, hong. pisaz3..........33¢


This clip provides a simple, speedy method of attaching antenna leadin to TV set Can be instantly conrected or discon. nected. Can't short out. Works in ony position. Shpg. Wt. 6 at.
Stock No. TS.10. Net, eo Lots af 10 ,..................................29e. 25

UHF-VHF JFD AT103 LIGHTNING
ARRESTOR

AT103. For tubular and oval Jumbo twinlead. Underwriters Laboratories Approved. Wroterproof porcelain with $4^{\prime \prime}$ aluminum Stock: No TS-27, List \$2.25 NET 1.32

don of A1197. Liphtning Arreater. For protec tion line:̈. Spacing lyetwern cantare transmigfioctly destenading io ketween contact teeth, peropen wite fonductoxh, Line insulator fiti in indented triove in Hrester kody. Grounda Jightnimg , that. tatic chargesmeliminated ple. ture suneirfit Lowilass cogstruction does not affect signat streneth or lower impredance: ta sealed agsinit humidity and temperature wire Sixe $2 \times 3 \times 182^{\circ}$. Surfile mamiaum groung Stock No. TS 28 , List, s3.50. Wet... 2.06

## ..tested, tried and proven

 for every reception area,near or far! wanar mun uren uma mea
## MUERLOCK LNH CORD-a

URHVERSAL $\boldsymbol{V}$ LLAD-lN socien an uitra-oompaptit truly unilyerul conv stant impedance socket thes searvicemes
 bench, pealer diepiryl ete, The frep


 begobound socket or mol
$47 c$
tecis in prown.
trems
UNIV'MSAL TWINHEAD PLUO


The plus of ome chotumd inee Site

 piderion.

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. Por BaA. Philica, GE, Admpracement ound other. Ti hut repitar moldad plivig ma one end nat speotial mober pret laborz-
 P1831] in fto hrown roin sockit -

INTERIONE Conventional male intarlocik wocket.
 PY) todic


MOSLEY ANTENNA CONNECTOR

TYPR 3e4 Moir nuick, wolderieal comjoce
 72-709 notzet at left; Low-lous poly spacing.


 Ts-34 lvory platiciene.

2 2



Modol $s$ Whbe Ogerater boomive Roporimp




 mittar eane for fto-t of




2.91

$\mathrm{Each}_{\mathrm{Any}}^{\mathrm{Mode}}$
3.55

## DON GOOD TELEPASS TV FILTERS





signa etc. All TV clannela are pasged with mifimum loss and unwanted
 P12585- For 300 ontennit termínals. $2 \% \times 14 \times 4$
-12530-For 72 ohm line.

## AUTOMATIC IMPEDANCE MATCH

"AlM" is designed to give o perfect match impedance botween antenna, lead line and re-
ceiver in YHF and UHF ranges, Chanch 83. Easy, simple installation at. Channels 2 through ghosts - increases OB gain - balances Eliminatos system! Shpg. Wt. I lb
Stock No. TS-24, Net, eo


## TWO SITT COUPL部

Operate two sets from one antenna. Twoinductive coupling produces highly einelent can be couping. Compact construetion, can ${ }^{2} x^{\prime \prime} \times 1 / 1 / 2$, instelled bohind sot. Only ingle sot No dummy loed noeded for Stock No. MS-1E,
Model AM-62, slagly, ea..... 2.06 In lofs of 3 $\qquad$ 1.89
"JETIE"
COUPLER


Stock No. TS. 20

## Net, eo.

A silver printed circuit coupler in a hermetically sealed Butyrate case. The first coupler of its kind that Can ioin either aHF and enfas, or 2 VHF 2 VHF an UHF antennas. Ideal con. ductivity - moisture resist ant, dust proof - clear transpare.t face. Simply at-
tached to any TV mast One tached to any TV mast. One eo. ................3.12 Shpg Wt. 1 lb.

## GRAYBURNE "CLEAR-PIX"

## TV INTERFERINCE FILTERS

The four filters listed be-
low are designed to elimlow are designed to elim-
inate the conmon typeg
 ence clused by Amateur tranamittera
21.45 in the 21 to
meracyclo Also minimadze interfer: ence from diathermy-
FM. ignition and other high irrequency sond other berore it reaches TV set. don-free pictures for bet ter TV enjoyment. In many cases these filters will completely eliminate the interference. Do not affect signal strength. Quickly and easily or internal adiusiments neceamary. Mount alding antenna terminals behind television receiver -brass luge attach to same screwz that hold antenna connectiona. These filters may be hoid
 ence.
TSER-32- Type CPD. For diathermy inter-TS.33- Type CPF. For FM interference TS-34- Type Cpl. For tenition and once WPEer or hich frequency interference. ....I.I7

## ACME TYPE T8394M

## VARIABLE VOLTAGE ADJUSTER

 Efficiont 300 -watt conly operated varlable transformer. Adjusted by turning rotary lap switch. May be used as step-up or step. down. Calibrated voltmater Indicates sec. ondary voltage. Pri100, 105, 110, 115, 120 and 125 volts, ot 50.60 cycies. Secondary autput, 115 V. Non-aging,silicon steel laminations tested imprognated colls for tharoughly 8.4 ft . cord and plug. Size, $44^{3 / 2} \times 4^{11}{ }^{10} 5^{51}$ Stock No. TR-14. hat line cord into resulator. Shpe. Wt. 1 ib,

| Rook Mo. | JFD Type No . | Watts | Eer |
| :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 94-4-5 \\ & 94-5 \\ & 98-7 \end{aligned}$ | $\begin{aligned} & \text { 200 } \\ & \hline 200 \\ & 300 \\ & 300 \end{aligned}$ |  |



## PRICISION CLARIFIE

New televiaion plature Jdated to remove any an tenna-fed interference
cauming picture ditor
 SW, isnition. amateur adiacent chinnel, ete. Soea not attenuate sig.
nul. Actually tunes out mwonctualiznal. Manes out any antenne. Metal cose. With inatructions. Sixe, $4311 / 4 x i y$, inatalled. Stock No. 7606, Llat, 87.50, NET ...4.41

L-Z-I LIOHT AND HILIVISION CLOCX At Now Low Price


Placed on top of TV cabprovkeen proper amount of vacherround limt for tele-
viming. Accurte. rotaning
nimeral bumeral type clock. Walnut
 Stock No. ML.11, - inch exclee tax. 8.17

## Servicemen:



Exact replacements for controls in most $T$ receivars. Cantrol Replacement Manual ba low gives complete listings; Clerostat con Sams Photofact Manuals. Types not listed below avollable en special order. Contro code numbers: 1-single carbon: 2-single wirewound; 3-dual concentric carbon; shpg. wf. 4 or

| TYPE NO. | code | PRICE EACH |
| :---: | :---: | :---: |
| RTV. 1 | 3 | 2.18 |
| RTV- 2 |  | RTV-65 |
| RTV. 3 | Us | RTV-98 |
| RTY-6 | 2 | 1.18 |
| RTV-7 | 3 | 2.18 |
| RTV-8 | 3 | 1.82 |
| STV-9 | Use | TV.319 |
| RTV-10 | 2 | 1.09 |
| RTV-11 | 3 | 2.18 |
| RTV-12 | 3 | 1.82 |
| RTV.15 | 2 | 1.09 |
| RTV-18 | 3 | 1.82 |
| RTV-20 | 2 | 3.44 |
| RTV-21 | 3 | 1.82 |
| RTV-24 | 3 | 2.18 |
| RTV-34 | 4 | 2.65 |
| RTV.36 | 3 | 1.82 |
| RTV-40 | 3 | 1.82 |
| RTV-42 | 3 | 2.25 |
| RTV-43 | 3 | 1.82 |
| RTV-45 | Use RTV-42 |  |
| RTV-46 | 3 | 2.26 |
| RTV-47 | 3 | 2.26 |
| RTV-49 | U | RTV-50 |
| RTV-50 | 4 | 2.65 |
| RTV-51 | 4 | 2.53 |
| RTV-52 | 1 | 1.09 |
| RTV-55 |  | RTV-245 |
| RTV-65 | 3 | 1.82 |
| RTV-68 | 3 | 1.82 |
| RTV-72 | Use RTV-325 |  |
| RTV-82 | 3 | 2.18 |
| RTV-83 | 3 | 2.18 |
| STV-87 | 3 | 2.17 |
| RTV-88 | 4 | 2.17 |
| RTV-90 | 3 | 1.82 |
| RTV-91 | Use RTV-324 |  |
| RTV-97 | 3 | 1.82 |
| RTV-98 | 2 | 1.09 |
| CTV-100 | 3 | 2.17 |
| RTV-111 | 4 | 1.82 |
| RTV-112 | 3 | 2.18 |
| RTV-116 | 3 | 2.18 |
| RTV-11 | Use RTV-319 |  |
| RTV-129 |  |  |
| RTV. 133 | 3 | 1.82 |
| RTV-139 | 3 | 1.82 |
| RTV. 140 | 3 | 1.82 |
| RTV-146 | 3 | 1.82 |
| RTV-147 | 4 | 2.17 |
| RTV-150 | 3 | 1.82 |
| RTV-156 | 3 | 1.82 |
| RTV-160 | Use RTV-274 |  |
| RTV-177 | 2 \| 3.44 |  |
| RTV-191 | 31.82 |  |
| RTV-193 | 32.65 |  |
| RTV-194 | $3 \quad 2.65$ |  |
| RTV-212 | 4 2.17 |  |
| RTV-213 | $3 \quad 2.17$ |  |
| RTV-214 | 3 2.26 |  |
| RTV-230 | 3 |  |
| RTV-232 | 3 - 2.17 |  |
| RTV-238 | 4 - 1.82 |  |
| RTV-245 | $3 \quad 2.53$ |  |
| RTV-262 | 3 1.82 |  |
| RTV-267 | 42.17 |  |
| RTV-269 | 31.82 |  |
| RTV-275 | $3 \quad 2.53$ |  |
| RTV-28: | $3 \quad 2.53$ |  |
| RTV-31: | 3 | 2.53 |
| RTV-319 | 2 | 1.09 |
| RTV.323 | $4 \quad 2.53$ |  |
| RTV-324 | 4 2.88 |  |
| RTV-330 | $3 \quad 2.53$ |  |
| RTV-345 | $4 \quad 1.82$ |  |
| RTV.347 | 3 1.83 <br> 4 1.82 |  |
| RTV-359 |  |  |

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| :---: | :---: | :---: | :---: |
|  | 19.75 | 2.25 | 17.50 |
|  | 22.95 | 3.25 | 19.70 |
| 17BP4A thaty fart | 22.95 | 3.25 | 19.70 |
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## RADIO BATTERY TESTER wv-37A

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$$
\text { When ordering " } A \text { " a "'b" packi, deduct } 5 \% \text { ln lots of } 3_{\text {, }} \text { assorted, }
$$

| Durgess Type | RCA Typ: | Volts | Size Inches LxW×H | Wh. | Net |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $27 \times \times 40$ |  | $11 / 2 / 60$ | 2-13/32x1-11/32x7 ${ }^{\text {d }}$ | 2. | 2.31 |
| $4 \mathrm{CA42}$ | Y 5053 | $11 / 2 / 63$ | 7x $2 \times 43 / 4$ | 5 | 3.14 |
| SDA60 | $\checkmark 5043$ | 11/2/90 | $5{ }^{16} \times 2+4 \times 6 \%$ | 5 | 3.85 |
| $17 \mathrm{GD60}$ | $\checkmark 5022$ | 11/2/90 |  | 22 | 3.21 |
| 6 TA60 | V5054 | 11/3/90 | 10x21/4 $\times 14$ | 51/4 | 4.05 |
| 47260 | VS064 | 11/2/90 | 7\% $\times 21 / 6 \times 31 / 4$ | $33 / 4$ | 3.68 |
| F4ASO |  | 6/75 | $9{ }_{1}^{1} \times 2+153 \%$ | 5 | 3.66 |
| T5350 | V5050 | 6, 71/2/75 | $8{ }_{1} \times 3 \times 21 / 32 \times 2-11 / 32$ | 4 | 3.68 |
| G5442 | Y5033 | 71/2/63 | $91 / 1218 \times 4.11 / 32$ | 5 | 3.15 |
| E460 | VS019 | 71/2,9/90 | $98 / \times 2 / 8 \times 4 / 2$ | 6 | 3.96 |
| G6M60 |  | 71/2, 9/\% | $10.5 \times 31 \times 4-5 / 16$ | 7 | 4.17 |
| T6240 | VS057 | 7/2, 9/\% |  | 4 | 4.03 |
| 6640 | Y 5047 | $9 / 6$ | 13-29/32x2-27/32x4+1 | $81 / 4$ | 4.36 |
| P6A60P | V 058 | 9/\% | $9+62-23 / 32 \times 4+5$ | $1 / 4$ | 4.14 |

PORTABLE "A" BATTERIES

|  |  |  | Stiog | shpg. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Trpess | Typa | Volts | $\xrightarrow{\text { Inchas }}$ LTWx | Lbs. |  | Sole. | St. |
| 2 F |  | $1 / 2$ | 2.17/32x1 $+{ }^{4}$ d ${ }^{1}$ | 1. | \% | ${ }^{6}$ | . 48 |
| ${ }^{\text {4F }}$ | V5004 VS036 | $1 / 2$ | 21/ $\times 2 \times 1 \times 4$, | 2 | 6 | . 74 | . 70 |
| ${ }^{2 \pi}$ | VS036 | $11 / 2$ | 2-25/6xi-21/4 Dia. | 40 oz . | 4 | . 08 | . 075 |
|  |  | 1/2 |  | 3 | 3 | 1.05 | 1.00 |
| 4.1. | Ys005 | $11 / 2$ | 3-27/32x\| $\mathrm{s}^{5} 5-17 / 32$ | 3 | 6 | . 71 | . 67 |
| $\frac{1}{2}$ | - | $11 / 2$ |  | 4 \%8. | 12 | .08 | . 075 |
| 2 D | V 5069 | $1 / 2$ |  | ${ }^{3}$ \% ${ }^{1}$. | 24 | . 065 | . 06 |
| 21R | V 5236 | $11 / 2$ | 1744) Dia. | $1 /$ | 24 | . 21 | . 37 |
| ${ }^{0} 3$ | vs072 | 41/2 | 31/x1 $1 \times 2+1$ | 3 | , | . 49 | . 46 |
| ${ }_{\text {F3 }}^{63}$ | vS067 | $4 / 1 / 2$ | 3t $\times 1 \times 12 \times 1$ | 11/2 | 6 | . 57 | . 54 |
| FAPI | vs009 | $6^{1 / 2}$ | ${ }^{4 \times 1} \times 1 \times 4+1$ | 2 | 6 | ${ }^{63}$ | . 60 |
| 2F4L | Vs011 | 6 | 3-27/32x\| $r_{1} \times 10+1$ | 4 | 2 | 1.40 | 1.33 |
| 24 | vso68 | 6 |  | 1/4 | 12 | . 42 | . 1.40 |
| ${ }^{85}$ | Ys129 | 71/2 | 31/027 ${ }^{2} / 32 \times 2 \mathrm{t}$ | $1 /$ | 6 | . 77 | . 73 |
| ${ }_{15}$ |  | 71/2 | (1) | 17/4 | 4 | . 70 | . 91 |
|  |  | PO | RTABLE ' ${ }^{\text {B'' }}$ | TTE | IES |  |  |
| 430 | Vs014 |  | 3rix ${ }^{2} 1 / 4 \times 4 \%$ |  |  | 1.71 | 1.62 |
| ${ }^{\text {M }} 30$ | VSO13 | 4 | 4/1/92-19/32x5\% | 4 | 2 | 1.71 | 1.62 |
| W30PI |  | 45 | 2-31/32x1, $\times 3.29 / 32$ | 1/2 | 6 | 1.72 | 1.82 |
| 230 | vs015 | 45 | 3 $\times 2 \times 2 \mathrm{x} 4$ 5 | 2 | 2 | 2.00 | 7.90 |
| xx30 | V5055 | 45 | 2.17/32x $11 / 32 \times 3.21 / 32$ | 3/4 | 6 | 1.32 | 1.25 |
| K45 |  | $67 / 2$ | 2-21/32x1.9/32x2.7/32 | 1/2 | 6 | 1.75 | 1.6 |
| ${ }^{\text {P4S }}$ | vs216 | $671 / 2$ | 2-21/32x1-9/32x3\% |  | 6 | 1.75 | 1.46 |
| N60 | Vs090 | ${ }^{10} 12$ | 3-21/32x ${ }^{\text {a }}$ / $/ 4 \times 3+1$ | 11/4 | 6 | 2.30 2.28 | ${ }_{2}^{2.15}$ |
| XX64, U200 | v5093 | $11031 / 2$ | \| $1.11 / 32 \times 1.11 / 32 \times 11.23 / 32$ | 11/4 | 6 | 3.40 | 3.23 |
| 0200 | rsoys |  | 23/4x2-9/32x $31 / 6$ |  | 6 | 7.85 | 7.46 |
|  |  |  | FLASHLIGHT C |  |  |  |  |
|  | Y5035 $\mathbf{Y} 5036$ |  |  |  |  | . 08 | .075 .075 |
| $\frac{2}{7}$ | vs034 | $11 / 72$ |  |  | 40 | .085 | . .075 |
|  |  | $11 / 2$ | 13/4x13/32 diam. |  | 24 | . 045 | . 06 |

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 Simply replace your $671 / 2$ volt and $11 / 2$ volt batteries with this unit and you can operate your portable on AC. Fits in same space as your batteries. Will also rejuvenate your "B" battery for much longer life. Complate instructions with unit.Stock No. MS-26


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The very latest Th eyocatching ear-pleasing personal portable radioal thith stylling, light wight, and wonderful ull tone nake it a marrelous companion for any occasion. Large tuning dial for wasy accurate tuning. Almico $V$ PM speaker: 2 K Tran 1.E. transformers and hi.gain ferite
antente
 cabinot in alluring

STOCK NO. $1-442$ (less batteries) Set of bafterite for bbove
$(2$ VSO36 and 1 YSO

## (and

## 3-WAY PORTABLE

Ideal 3-way portable for home, sports of travel. Operates on AC OC por battorios. This compact, Ilightwe iligh portoble ofters brilliant tone quality and amazing sensitivity. Ytitilizes
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 sot of botterios for above,
Sit vSo67 ond it vsol6)....

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Smartly zstyled, baautifully finlshed, Hightwight portable battery recoiver. Latest dodvanced, suporhoterodyng eircuir
 with superssoniflwe forrite iron core antannat Large size pM
dyna mict speaker for improved tone quality. Thumb wheel dynamic spakier tor mproved tonu quativ, Molded maroon tuning with large essy-to-road numbers. Moicad maroon
plastic case with matching plastic handle. Rich gold finish hancile and spoasier trim, Dimentions $9^{\prime \prime} \times 6^{\prime \prime} \times 2 / 4^{\prime \prime} .5 \mathrm{Spq}$. wt. less batteries 4 los STOCK NO. 1-443 (less batterles)

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## $\underset{\sim 2 \sim \sim \approx ~}{\sim 2 \sim \sim} \approx$



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This is truly beautiful stylino. Genuine mahogany cabine ance. Wakernto sot ack fimet highest quality perform last coffiee ready! Will turn on small electrical your break and your radio turns itsolf off when efoulical appliance
 35 Wa . Automatic volume contiol and Alnico 50 CS ond speaker. Wooden cabinet contriol and Alnico YPM



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matic reminder and an electric ${ }^{\text {acclock all }}$ in on-an auto
word in cabjuet bmauty, a design as new as tome last
if turns on your favorite program aufomaticaliy-buzzes
whin one hou get up-shuts off radio at selected time
12BE6, T2BAh, 12AT6, 50 C 5 and 35 Wa tuding rectifiep:
oop", antenno. Alnica V.PM speaker, Dimention "Dura
choice of $53 / 4$. 105 to 125 yolts 60 cycles $A C$ ons: Yo
W. B Ws. 9 walnu' or ivory plastic cabinet. Shpg
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## POWERFUL

GRAYBURNE "FERRI-LOOPSTICK"
A revolutionary antenna davelopment. Hi-Q iron core coil with short antenna lead. Completely eliminates the need for bulky, conventional loop antennas. An extremaiy small, yet very powerful replacement antenna. Has $Q^{\prime}$ of $240-275$. Boosts sensitivity and signal-to-noist ratio considerably in portable receivers.
Stock No. MS.10, single, each............. 44 e In lots of 10, each.

GRAYBURNE "VARI-LOOPSTICX"
Similar to above, but with new micrometor adiustment for maximum peaking elficiency and precise. in mounting
Stock No. MS-11, single, each .......... 59c


In lots of 10, each............................. 49c


Stock No KI-11 SPECIAL!
insulated RESISTOR KIT
100 Pieces-RMA Calor Coded Regulor Lis P Price 15.80 Do not confuse with non-insu lated foreign makes, otc., offered by others. Contains a carefully selected assortment of 100 in sulated resistors. Standard RMA color code. Included are 701/2 watt: 20-1 watt and 10-2 watt resistors.

Handsomely packed.

## UNIVERSAL

 OUTPUTHere is a real bargain in trans. Will match universal output traush-pull output tube so be of each. redy for any service iob 4 Watt
Na. TR-12, eo. 99c, in lots of 10 , 8 Watt

## FILAMENT

Top Make at a Real Price en 115 V Primary 6.3 V at 1 amp . No. TR-11
$\qquad$

[^0]
## 5016 OUTPUT <br> Matehes 50 L 6 to 3.2 Ohm $Y$ oice

Ohm Voice Coll ${ }^{\text {ander manu- }}$
Made by a high quality transformer manu- ${ }^{25 L 6, ~ e t c .}$ facturer. Matches 50lb, bought a large quantity at a Lafayette bought a are passing the saving special price and we are passing this price. special you. You can't go
on to
Stock No. TR-10.
aling, ea. 59 c stock Na. TR.
singly, ea. 59 c

# B0y9n Challenger 

## CH8 8-WATT AMPLIFIER \& SYSTEMS

Two inputs, microphone and phono with plug-in connector for speaker 4 Position tone control. Power output: 8 watts.
Response: $80 \cdot 12,000 \mathrm{cps} \pm 2 \mathrm{db}$ Response: $80 \cdot 12,000 \mathrm{cps} \pm 2 \mathrm{db}$.
Gain: Mike, 108 db . Phono, 71 db. Output Impedances: 4, 8, 16 ohms Tubes: 1-6SF5, 1-6SI7, 1-6L6GA, 1-5Y3GT. Dimensions with cage: $7.5 / 16^{\prime \prime} H \times 11^{\prime \prime} W \times 7^{\prime \prime} \mathrm{D}$ challenger che with Tubes, less Cage $\mathbf{2 9 . 9 5}$ CAGB Cover

## CH18 18-WATT AMPLIFIER \& SYSTEMS

An all purpose amplifier which meets the require ments of the majority of installations such as churches, small factories, small outdoor mass meatings, etc.
Two inputs and 2 speaker plugs plus terminal strip outlets
4 position tone control.
Power output: 18 watts.
Response: 30 to $12,000 \mathrm{cps}, \pm 2 \mathrm{db}$
Response: 30 to $12,000 \mathrm{Cps}, \pm 2 \mathrm{db}$
Gain: Mike. 118 db . Phono, 78 db.
Gain: Mike. 118 db . Phono, 78 db .
Outrut Impedances: $4,8,15$ ohms, 70 V .
Tubes: 2- 6SF5, $1-6 S L 7 G T,{ }^{2-6 V 6 G T}, 1-5 Y 3 G T$ Dimensions: $14^{\circ} \times 8^{\prime \prime} \mathrm{D} \times 8^{\prime \prime} \mathrm{H}$.
CHALLENGER CH19 with Tubes and Cage $\mathbf{4 4 . 6 0}$
challenger ches-1: Complete Portable System CH8 amplifier, $8^{\text {² }}$ Alnico $V$ PM speaker mounted in portable carrying case, Bogen-Shure 710 crystal microphone with stand adapter, 7 ft cable and plug
53.90

CHALLENGER SE25: 25 ft . Speaker extension cable and plugs
1.81

## CH3O \& CH30X 30-WATT AMPLIFIERS \& SYSTEMS

Serves admirably for those Installations requiring medlum power, more inputs and/or built-In phono. Three inputs. Two speaker outlets plus speaker terminal strip outiets.
4 Position tone control.
Power output: 30 watts.
Response: 30 to $12,000 \mathrm{cps} . \pm 2 \mathrm{db}$.
Gain: Mikes, 118 db . Phono, 85 db .
Output impedances: $4,8,15 \mathrm{ohms}, 70 \mathrm{~V}$.
Tubes: 2- 6SC7, 6SL7GT, 2-6L6G, 5U4G.
Dimensions: CH3O, $15^{\prime \prime} \mathrm{W} \times 10^{\circ} \mathrm{D} \times 8^{\prime \prime} \mathrm{H}$. CH30X, $15^{\prime \prime} \mathrm{W} \times 10^{\circ} \mathrm{D} \times 10^{\circ \prime} \mathrm{H}$.
Challenger Chio with Tubes and Cage
55.92

Challenger ch3ox with Tubes and Bultt-in Phono Top
71.31

CHALLENEER CH3OP-1: Complete Portabie system CH30 amplifier, 2- $12^{\text {M }}$ Alnico V PM speakers each with 25 ft . cable and plug, mounted in split portable speaker baffie which also carries the amplifier, plus 1 Bogen-Shure 710 crystal microphone with stand adapter,- 7 ft . cable and plug
101.72

Challenger chise-1: Complate Indoor System. 1- CH18 amplifier. 2- $12^{\prime \prime}$ Alnico V PM speakers each with 25 ft . cable and plug, mounted in $12^{\prime \prime}$ hand-finished wall baffles, plus 1 BogenShure 710 crystal microphone with stand adapter,
7 ft cable and plug
83.45

Challenger chiapi: Complete portabie system, CH18 amplifier with cage; 2- $12^{* \prime}$ Alnico $v$ PM speakers, each with 25 ft . cable and plug mounted In split portable speaker batfie which also carries the amplifier; Bogen-Shure 710 crystal microphone with stand adapter, 7 ft . cable and plug ............... 90.40
challencer chooxp-1: Compiete portable Systea Same as CH3OP except phono top amplifier (CH3O.X) is supplied 116.42 CHALLENGER CH3OB-1: Complete Indoor system. CH3O amplifier, 2- 12" Alnico V PM speakers, each with 25 ft . cable and plug, mounted in $12^{\prime \prime}$ hand-finished wall baffles, plus 1 Bogen. Shure 710 crystal microphone with stand adapter, 7 ft . cable and plug
94.77

CHALLENGER CH30XB-1: Completa Indoor system Same as CH 30 B except phono top amplifier (CH3O-X) is supplled
109.17

CHALLENEER CH3OT-1: Complete Outtoor system. CH30 amplifier, 1 University PH trumpet with MA25 driver unit and 1 Bogen-Shure 710 crystal microphone with stand adspter, 7 ft . cable and plug
94.81

CHALLENGER CH3OXT-1: Complete Outtoer Syster Same as CH3OT except phono top amplifier (CH3O-X) is supplied ........... 109.22

## CH618 \& CH618T. 1 UNIVERSAL AMPLIFIERS \& SYSTEMS

An excellent universal moblle ampllfier and system for 110 V AC or 6V DC power supply. Full Under. writers' Laboratorles approval. Foolproof conversion from $A C$ to $D C$.
Remote control of standby to reduce current draln. Built-in constant speed phonograph.
Power output: 18 watts.
Response: 30 to $12,000 \mathrm{cps} \pm 2 \mathrm{db}$.
Galn: Mike, 118 db . Phono, 78 db .
Output impedances: $4,8,15 \mathrm{ohms} 70 \mathrm{~V}$.

Tubes: 2- 6SF5, 1-6SL7GT, 2- 6V6GT, 1- 724 Dimensions: $15^{*} \mathrm{~W} \times 10^{*} \mathrm{D} \times 10^{\prime \prime} \mathrm{H}$ CHALLENGER CHE18: With Tubes, Cage, AC and DC Cable and Built-In Phono Top 89.95 CHALLENGER CH618T-1: 18 -Watt Universal System. CH618 amplifler. 1 Universlty PH trumpet with MA25 driver unit and 1 Bogen-Shure 710 crystal microphone with stand adapter, $7 . \mathrm{ft}$. cable and plug 127.97

## CH60 60-WATT AMPLIIIERS \& SYSTEMS

Meets the requirements of large plants, stadiums alrports, etc., calling for maximum power and multiple speaker systems.
Three Inputs.
Two speaker outlets and output terminal strip. Power output: 60 watts.
Response: 30 to $12,000 \mathrm{cps}, \pm 2 \mathrm{db}$.
Gain: Microphone inputs (2) 120 db . Phono 85 db Output impedances: 4, 8, 15 ohms, 70 V and 140 V Tubes: 2- 6SF5, 1-6SL7GT, 1- 6V6GT, 2-807, 1- 5Y3GT, 1- 5R4GY.
Dimensions: $17^{* *} W \times 111 / 2^{n} D \times 9 V^{\prime \prime} \mathrm{H}$
CHALLENGER CH60 with Tubes
90.69

Challenger chsob-1: Complete Indoor System. CH60 amplifier, 4- 12" Alnico V PM speakers, each with 25 ft . cable and plug., mounted in $12{ }^{2 \prime}$ hand-finished wall batfles, plus 1 Bogen. Shure 710 crystal microphone with stand adapter, 7 ft cable and plug
159.36

CHALLENEER CHBOT-1: Complote outtoor systom. 1- CHGO amplifier, 3 University PH trumpets with MA25 driver units and 1 Bogen-Shure 710 crystal " microphone with stand adapter, 7 ft. cable and plug
189.11


# for Servicement 

## OVGL PM SPEAKERS <br> These oval speokers ore extremely populor, and hem even more made or by offering tham to consistont with high quality. Alnico V mog. quality. Alnico V mog At these prices you can you of the lowest prices stock. Stock No. SK-16 single, <br> Stock No. SK-16 Stock No. SK-17 <br> 6 <br> $\times 9$ <br> 11 <br> s299

## Auto Replacement Speaker



An unusual value in $5^{\prime \prime}$
field coil speakers. Ideol for outo replacements

$$
\begin{aligned}
& \text { for outo replacements } \\
& \text { for Phileo. Motorola, } \\
& \text { Automatic. ond other } \\
& \text { auto sets. } 4 \text { ohm o volt. } \\
& \text { 5" SPEAKER } \\
& \text { in lots }
\end{aligned}
$$

c

## GOODIMANS

HIGH FIDELITY PM LOUDSPEAKERS
This 12" High fidelity unit has : iwincurvilinear diaphragm (Patent No. 451754). A carefully designed magnet assembly using ansotropic material provides a total flux of 158.000 maxwells on $211^{\prime \prime}$ pole. The back centering device is a dusproot bakelised linen dise with concentric corrugations.
The combination of these leatures gives this precision buibt instrument an outstandingly wide coverage from 46 to 15.000 c.p.s. Iree from bass modulation equects.
An ideal high fidelity reproducer for the record enthusiast' and the connoisseur of
wide range musical reproduction
LIST \$65.00........SPECIAL 28.50

WALNUT WALL BAFFLES
8ecutifully polished walnut batfle for De Luxe sound systems. Friexe grille cloth.
2.79
systems. rriexe grille clorh.
P21325-6-inch ..............
…..............................
P21326-8-inch
3.23
3

P21327-10-inch
P20051-12-inch
3.67

FABRICOID BAFFLIS


Sturdily built of selected wood. Brown leotheretfe covered. 5 hpg . wt. 6 lbs

| Stock No. | Speaker | H. W. D. | Each |
| :---: | :---: | :---: | :---: |
| P20060 | $6^{\prime \prime}$ | $81 / 2 \times 71 / 2 \times 43 / 4$. | 1.89 |
| P20042 | $8^{\prime \prime}$ | 101/2x9x61/2.' | 2.45 |
| P20055 | $10^{\prime \prime}$ | $14 \times 12 \times 8^{\prime} / 2^{\prime}$ | 3.15 |
| P20056 | $12^{\prime \prime}$ | $15 \times 14 \times 10^{\prime \prime}$ | 3.65 |

## 

 SPEAKERSATA,







LOWELL REAR SEAT AUTO EXTENSION SPEAKER BAFFLE KIT


Complete kit incluiles 3-way switch, mountine screws for dial plate to car dash-board, stamped louver plate with tamper-proof screcning.
complete instructions for mounting. In at tractive gray with rustproof undercoating less speaker. Size: $9 \times 7^{*}$. Shpg. wt., 4 lbs.
Stock Mo. ML-18
NET .. 2.65

## CHROME Speaker Grille

## 

Deluxe chrome speaker grille in a handsome modern motif Perfect for rear seat installation - recreation room intercom or P.A. - test panel and equipme
whock Mo ML.16. $6^{\prime \prime} \times 9^{\prime \prime}$ installation
Stock No. ML-17, $4^{\prime \prime} \times 6^{\prime \prime}$ installation $\qquad$ .2 .37
Cin CRL

## AUTO RADIO

## SPEAKER SWITCH

 Type 1483. St 3-posititon swith tor use with anxiliary tear seat allon whlts. Hes gosittce findex. Shmeting
contacts. contacts. $x^{\prime \prime}$ " hushink. $17 /{ }^{\prime \prime}$ long shaft. Spriby bra MELated. NET P300. Switeh kit.......44e Type P300. Switch KIt. Fur uxt with dual autn xpenkers. Conslats: hemesithon switeh with shat induatur plate and white push-on NEnt. Wi., 2 n

INTERCOM WIRE

2-Conductor Twisted Excellent intercom or speaker extension wire. Fith plastic in. sulation.
Stock No. WR-12 100 4. coil .1 .19
Stock No. WR. 13
250 ft. spool..
...2.50
3-Conductor Twisted stock No. WR-14

100 ft. coil............. 1.50 Stock No. WR-15

250 ft. spool $\qquad$
$\rightarrow$
3-Conductor Twisted with Plastic Sheath
Similar to above with overall Similar to
plastic sheath
Stock No. WR-16
100 ft . coil R-17
250 ft. spool
1.95
4.50


List. \$45.00. WET

## TUFFLEX

MESTHATMOM
Sound absorbing insu-
lating material. May lating material. May
be used for lining inberior of radio-phonograph consoles and speaker cobinets. $1 / 2$ thick. Sold in widths of
length sold. 1.00 P20941-7 fi. Longer

## $\qquad$ .... 146



## 1*TUFFLEX

## Double thickness of above. Supplied only

 Per sis sheetx. Par SheetUNIVERSITY
TRUMPETS
\& DRIVERS


QEFLEX LOUDSPEAKER TRUMPETS. For use with driver unit below. Fully weatlierproof. Heavy-gauge metal. Model GH with $61 / 2^{\prime}$ air column and a low-frequency cutoff at 85 cps is ideal for music, models LH and PH have higher cutoff for general uec. Mode SMH is for voice only. With "U" mourting bracket, less driver unit

| $\begin{aligned} & \text { Mfr's } \\ & \text { TY }^{2} \end{aligned}$ | Ball Dle. | Overall Length | Lew Cutoff | Wt. Lbs. | Ls 5 | $\begin{gathered} \mathrm{NET} \\ \mathrm{EACH} \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| GH | 30\% | $27{ }^{\prime \prime}{ }^{\prime \prime}$ | 85 cyc . | 36 | \$00.00 | 35.21 |
| LH | 253\% | 19 | 120 cyc . | 23 | 44.50 | 26.17 |
| PH | $201 /{ }^{\circ}$ | 153/4" | 150 cyc . | 16 | 29.00 | 17.05 |
| SMH | 161/2* | $12^{\prime \prime}$ | 200 cyc . | 101/2 | 24.50 | 14. |

BREAKDOWN-PROOF DRIVER UNITS. PM dynainic type, hermetically sealed units for refiex-type trumpets and radial-refiex projectors. Corrosicn-proof-molded phenolic diaphragms. Excellent fatigue Characteristics. Exclusive rim centering construction insure rigidity of assembly. Thread, 1/2-18. MA-25 is rugced general purpose unit. S.A.HF is hi-fi unit for wide-range theater quality

| $\begin{aligned} & \text { Mhr's } \\ & \text { Type } \end{aligned}$ | Fig. | Range C.P.S. | $\begin{array}{\|c\|} \text { Watts } \\ \text { Rating } \end{array}$ | Ohms Imp. | Wi. Lhe. | Ust | NET |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| M.A-25 | 8 | 90- 6.000 | 25 | 16 | 4 | \$ $\$ 5.00$ | 14.70 |
| SA-HF | C | 90-10.000 | 25 | 16 | 6 | 37.00 | 21.76 |

PA-30 HEAVY-DUTY DRIVER UNIT. For general-purpose use and for broadcasting chime music from church steeples. Range. 80 to $10,000 \mathrm{cps}$. Features built-in line matching transiormer; has taps marked for both the vew RTMA 70.7 -voll system, and standard impedances. All terminals are located on driver base for 250,500 1000, 2000 , 20 . 20, 5 and $21 / 2$ watts. Speaker V.C 16 ohms wt 7 lbs. 30. List, $\$ 50.00$. NET
29.40
\$A-30 HEAVY-DUTY DRIVER UNIT. For rugged PA and industrial use. Range. $90-10,000$ cps. Has built-in universal trans ancer. designed for both the 70 -volt systems and regular ircullt). 165.250 . 500 , 1000 and 2000 ohms; constant-voltage taps. 30 , i8i 10. 5, and 2.5 watts. Weather-proof die-cast aluminum hes housing. V. C. impedance, 16 ohms. Length overall. $6 \frac{1}{2}$


TUBES MAY BE ASSORTED FOR QUANTITY DISCOUNT

## RECEIVING TUBES

Lafayette Radio, as one of the largest national distributors of RCA Radiotrons, Syivanio, Westinghouse and General Elecfric fabes, carries one of the largest stocks of every type of tube manufactured in the couptry, assuring you of fresh, new. right-from-the-factory tubes. Only a large distributor tike Lafayefte Radio can guarantee you up-to-the-minute sfoch.

LAFAYETTE LOW PRICES!
Lafayette prices on tubes shown on these pages are real values. ORDER YOUR RADIO TUBES AT DISCOUNTS UP TO $50 \%$ AND $10 \%$ OFF THE LIST, Idepending upon quantityl, for original, individually boved, sealed tubes, brand new and fresh from the manufacturer.

THES MAY BE ASSORTE FOR QUANTITY DISCOUNT

discounts！Sunt11
GUARANTEED FOR 12 FULL MONTHS All recetying tubes dre guaranteed for 12 months from date of purchase．We will replace any tube that does not give efficient performance for a full 12 months＇period．Thls of course does not opply to burned out or broken tubes．When you buy tubes from Lafayette you buy with confidence．Dependability is assured by continual and thorough testing of earn
manufacture．Average shpg．wt． 4 oz．，per 10 tubes， $21 / 4 \mathrm{lbs}$ ．

TUBES MAY BE ASSORTED FOR QUANTITY DISCOUNT

| Type｜ | －List ${ }_{\text {Price }}$ | EACH | Tybo | ${ }_{\substack{\text { List } \\ \text { Price }}}^{\text {a }}$ | EACH | Type | （List｜EACH |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6SNTGT | ${ }^{52} 20$ | 1.16 |  | \＄2．90 | 1.53 | ${ }_{25}^{25 L 6 G T}$ | ${ }^{33.40}$ | 1.80 <br> 93 |
| 6507 $6507 G T$ | 1.60 1.60 | ． 8.85 |  | ${ }_{\substack{2.55 \\ 2.50}}$ | 1.48 | ${ }^{2564 G T}$ | ${ }^{1} .75$ | 1.93 |
| ${ }_{6 S 7}^{6507}$ | 1.80 | ． 95 | 12 12x7 | 2.50 | 1.32 | ${ }^{2555}$ | 2． 2.05 | 1.53 |
|  | ${ }_{1}^{1.80}$ | ． 9.9 | ${ }^{12 A Y 7}$ | 6.00 2.90 | 3.18 <br> 1.53 | ＋2525 | ${ }_{2}^{1.35}$ | ${ }^{1.27}$ |
| 6557 6577 | ${ }_{2}^{2.75}$ | 1.143 | ${ }_{12812}^{1224}$ | 2.90 <br> 1.90 | 1.501 | ${ }_{2526 \mathrm{GT}}$ | 1.55 | 1．82 |
|  | 2．80 2.20 2.20 | －． 53 | ${ }^{123287}$ | 2．50 | 1.32 1.36 1 |  | （2.05 <br> t． 75 | 1.09 |
| 6527 | 2.20 | 1.16 | 128D6 |  |  |  |  | ＋．19 |
| ${ }_{671}^{6}$ | 3.35 <br> 2.90 | 1.77 <br> 1.53 <br> 1.6 | 128866 128 | 1.70 | ． 90 | 31 | 2.75 | 1.16 |
| 605／6G5 | ${ }^{2.00}$ | 1.06 | ${ }_{\text {128H7－}}$ | 2．60 | 1．38 | ${ }_{32 \mathrm{~L}}^{32} \mathbf{L G T}$ | 3．70 3.20 | 1.96 1.69 1.9 |
| ${ }_{6}^{6 U 66 T}$ | 2.20 <br> 2.20 | 1.16 | ${ }^{12827}$ | 2.40 <br> 2.45 | 1.27 |  | － | 1.77 |
| 648 | 边边．20 | ${ }^{1.53}$ | ${ }_{12 \mathrm{l}}^{12 \mathrm{Cb}}{ }_{1}$ | 3.35 1.90 | 1.01 |  | 3.35 <br>  <br> 2.35 | 1．85 |
|  | 3.90 <br> 3.40 | 1.206 1.80 | ${ }_{1}^{12 \mathrm{~L}} \mathbf{1}$ | 1.90 <br> 1.80 | ${ }^{1.91}$ | 35／51 <br> 35A5 | 2． 1.80 <br> 1.80 | 1.24 <br> .95 <br> 1.85 |
| ${ }_{\substack{666 \\ 66 G T}}^{60}$ | a， <br> $\begin{array}{l}3.40 \\ 3.55\end{array}$ | $\begin{array}{r}1.88 \\ 1.88 \\ 1.88 \\ \hline\end{array}$ | （12J5GT | ${ }_{2}^{1.20}$ | .82 1.16 | 3585 $35 C 5$ | 2．00 | 1.06 1.06 |
|  |  |  | ${ }^{12 \mathrm{~K} 7 \mathrm{GT}}$ | 2.10 |  | 35L6GT | 1.75 | ． 93 |
| ${ }_{6 W 6 G T}^{6}$ | 2.20 | 1.16 | 12 Lb | 2．70 | 1．43 | ${ }_{\text {c }}^{\substack{355 \\ 354 \\ 354}}$ | 1．80 | ． 99 |
| ${ }_{6 \times 4}^{6 W}$ | 2． 2.55 | ${ }^{1.46}$ | ${ }_{1} 20076 T$ | 1．85 | －98 | ${ }^{3553}$ | 1．80 | ． 99 |
| ${ }_{6 \times 5}^{6 \times 5}$ | 2． 2.55 | 1.46 | ${ }^{125859}$ | ci．2．85 | 1.40 | ${ }^{352546 T}$ | ${ }_{1}^{1.25}$ | ． 79 |
| ${ }_{6}^{6 \times 565}$ | ${ }^{1} 1.75$ | 1．82 |  | 1.85 <br> 1.80 | ．95． | ${ }^{352669}$ | 2.65 | 1.40 |
| ${ }_{6 Y 6}$ | 2．50 | 1．32 | ciscle | 2．30 | 1．22 | ${ }_{37}^{36}$ | （2．75 | 1.46 |
| ${ }_{62 Y}^{627}{ }_{6}$ | 4．05 2.30 | 2.14 1.22 |  | 1.90 2.00 | 1.01 | ${ }_{38}^{37}$ | 1．30 | 1.22 |
| 7A4／XXL | 2.00 | 1.06 | ${ }^{12557}$ | ${ }^{2} .18$ | 1.11 | 39／4 | 2．75 | 1.46 |
| 7A5 ${ }^{\text {7 }}$ | 2.35 | 1.24 | ${ }^{125597}$ | 2．15 | 1.14 | 41 | ${ }^{1.90}$ | 1．01 |
| ${ }^{7} 746$ | ＋1．90 | 1 | ${ }_{\text {lisj7 }}$ | ${ }_{1}$ | ． 93 | 43 | 2.05 | 1.09 |
| ${ }_{7} 7$ A ${ }^{\text {a }}$ | 1.80 | ． 9.9 | 125 J 7 T T | 1.65 | ． 87 | 45 | 2．10 | 1.11 |
| ${ }^{7}$ | － | 1.77 | 125127 | 1．75 | ．93 | ${ }_{4525}^{45 \mathrm{GT}}$ | 1.80 1.80 | ．95 |
| ${ }_{\text {7AFY }} \mathbf{7}$ | 1.80 <br> 2.20 | 1．95 |  | ${ }_{2}^{1.50}$ | 1.35 |  | 2.90 | 1.53 |
| jAH7 | 2．20 | 1．16 | ${ }^{125 N T}$ | 2.30 1.30 1.3 | 1．22 | ${ }_{49}^{47}$ | 2.70 2.75 | 1.53 <br> 1.46 |
| 789 | 1.80 | ． 95 | 12507 GT | 1.60 | ． 85 | 50 | ${ }^{5.15}$ | 2.73 |
| ${ }_{7} 86$ | 1.80 | ． 95 |  | 2．100 | 1.11 | ${ }_{5085}^{5045}$ | ${ }_{2}^{2.00}$ | 1.16 1.06 1.8 |
| ${ }^{789}$ | 1.90 | 1.01 | 1223 | ${ }^{2} 2.60$ | 1.38 | ${ }_{50 \mathrm{C}}^{50 \mathrm{C}}$ | 2．00 | 1.06 |
| ${ }_{7}{ }^{\text {cas }}$ | 3.20 | 1.69 | ${ }^{1444}$ | ${ }_{3}^{2.65}$ | li．40 | ${ }_{5016 \mathrm{GT}}^{50 \mathrm{CbC}}$ | 2.90 <br> 1.75 | 1．933 |
| ${ }_{7}^{7 C 5}$ | ${ }^{1.90}$ | － 1.95 |  | 2．20 | 2．1． | 50×6 | 2.20 | 1.16 |
| $7{ }^{1} 7$ | 1.90 | 1.01 | 14AF7／XXD | 2．40 | 1.27 | ${ }^{\text {50YGGT }}$ | ${ }_{2}^{1.85}$ | ． 98 |
| 7E5／1201 | 2.65 <br> 2.35 | 1.48 | ${ }^{14866}$ | 2．20 | 1.16 | ${ }_{52}$ | ${ }_{3}^{2} .90$ | 2.06 |
| 787 | ${ }^{2.75}$ | 1.46 | ${ }^{14 C 5}$ | ${ }_{\substack{2.70}}^{2.40}$ | 1.46 | 53 <br> 55 | ${ }_{2}^{2.30}$ | 1.22 |
| ${ }_{7 \times 8}^{7 \%}$ | 2．20 | 1.158 | ${ }_{14}^{1466}$ | ${ }_{2}^{2.35}$ | 1.24 | 56 | 1.85 | 1．98 |
| 7F8／1232 | 2.95 <br> 2.75 <br> 2.20 | 1.46 1.46 1.16 | ${ }_{\text {14FF }}$ | cote 2.20 | 1.46 1.16 | ${ }_{58}^{57}$ | 2．10 2.10 | $1: 11$ |
| 7 H 7 <br> 7 | 2.20 2.75 | 1.16 <br> 1.46 | ${ }_{14}^{14 \% 8}$ | 3.20 | 1.69 |  | 方3．70 | 1.96 |
| $7 \times 7$ | 2．75 | 1.46 | ${ }^{14 \mathrm{HF}}$ | 2.40 | 1.27 | ${ }_{\text {70LIG }}$ | 3．90 | 2．06 |
| ${ }^{7} \mathbf{7 N 7}$ | 2．2． 2.25 | 1.46 <br> 1.16 |  | 退 2.725 | 1.46 <br> 1.40 <br> 1.6 | 75 76 76 | 1.75 | ${ }^{1.96}$ |
| 7N7 | ${ }_{2.10}$ | 1.11 | $11{ }^{1}$ | 2.20 | 1.16 | 76 | 1.70 | 90 |
| $7 \mathrm{P7}$ | 2．35 | 1.24 | ${ }^{1487}$ | ${ }_{2}^{2.75}$ | （1．46 | ${ }_{78}^{77}$ | ${ }_{2}^{2.15}$ | 1.14 |
| $\xrightarrow{757}$ | ${ }_{2.65}^{2.65}$ | 1.48 | ${ }^{1414}$ | 2．65 | 1.40 | 79 | ${ }^{2} 2.75$ | 1.46 |
| ${ }_{7 \times 6}$ |  | 1.40 1.16 |  | ${ }_{2}^{2.40}$ | 1.48 | ${ }_{81}^{80}$ | 4 | 2．46 |
| 7 ${ }_{7 \times 6}$ | －2.65 <br> 2.85 <br> 1 | 1.40 | ${ }^{19}$ | 3．35 | 1.77 | ${ }_{83}^{82}$ | 2．75 | 1.46 |
| ${ }_{7 \times 4}^{7 \times 1}$ | 1.80 <br> 1.80 | ． 9.95 |  | 遃6.00 <br> 3.20 | 3.18 1.69 |  | ${ }_{3.20}^{2.25}$ | 1.69 |
|  | 3.90 2.90 | 2．06 1.53 1.53 |  | 2.65 <br> 2.90 | 1.400 | ${ }_{85}^{84} 162$ | $\xrightarrow{1.80}{ }_{2}^{1.30}$ | $\begin{array}{r}\text { ．} \\ 1.25 \\ \hline\end{array}$ |
| $12 \mathrm{~A}{ }^{126}$ |  | 1．53 |  |  |  |  |  | 1.22 |
|  | ${ }_{3}^{2.35}$ | 1．53 | ${ }_{22}{ }^{\text {a }}$ | ${ }_{3.20}^{3.20}$ | 1.69 | V99 | 3．20 | 1.69 |
| ${ }^{12 A B G G T}$ | $\underset{\substack{2.15 \\ 2.75}}{1 .}$ | 1.1 .46 | ${ }_{254}^{224}$ | ${ }_{3.40}^{2.35}$ | 1.24 1.88 | 117LT／M7GT | 3．90． | ${ }_{2} 2.06$ |
|  | 1.80 1 | ． 1.95 | ${ }^{2546 G}$ | ${ }^{2} .605$ | 1：40 | 117N7GT | 4.05 | 2.14 |
| ${ }^{12} 12 \mathrm{~T} \mathrm{~T}^{\text {a }}$ | ＋ $\begin{aligned} & 1.60 \\ & \text { 2，90 }\end{aligned}$ | ． 85 | 25A7GT 25AC5Gt | ¢ | 3.18 1.53 | ${ }^{1177{ }^{172}}$ | 4.00 | 2．85 |
| 12AU6 |  | － 1.95 | ${ }^{254 V 5 G T}$ | 2． 2.90 | 1.53 | 11724 GT | 2.80 | 1.53 |
| 12AU7 12AV6 | 2．400 | 1．27 | ${ }_{25666}^{25866 T}$ | 3.50 2.90 | 1.85 1.53 | ${ }_{\text {FM1000 }}$ | ${ }_{3.20}^{2.05}$ | 1.69 |

Only Lafayatte＇s huge organizotion con： Offor you such a thorough stock of ple．
 furers－and all in stock

\begin{tabular}{|c|c|c|}
\hline TYPE \& LIST \& EACH <br>
\hline $3 \mathrm{KP4}$ \& 23.50 \& 17.50 <br>
\hline ${ }_{7}^{53 P 4}$ \& 60.00
31.50 \& 25.20
26.20 <br>
\hline ${ }_{7 \text { PP4 }}$ \& 26.00 \& 19.50 <br>
\hline 8AP4A \& 24.20
30.50 \& 18.15
23.00 <br>
\hline ${ }^{88 P 8 P 4}$ \& 28.00 \& 20.50 <br>
\hline 10 FPAA \& 35.00

88.00 \& 26.15
21.00 <br>
\hline $10 \mathrm{MP4}$ \& 28.00
39.50 \& 29.50 <br>
\hline $12 \mathrm{LP4A}$ \& 32.00 \& 29.60 <br>
\hline 12984 \& Repl \& by 81034 <br>
\hline ${ }^{\text {B1034 }} 12 \mathrm{SP4A}$ \& 31.75
40.35 \& 30.25 <br>
\hline $12 \mathrm{UP4}$ \& 40.35 \& 30.25 <br>
\hline $12 \mathrm{PP4}$ \& 32.50 \& 24.25
26.00 <br>
\hline ${ }^{148 P 4}$ \& \& 26.00
26.00 <br>
\hline （14CP4 \& 35.00
35.00 \& 26.00
22.00 <br>
\hline ${ }_{146 P 4}$ \& 35.00 \& 23.00 <br>
\hline $150 P^{4}$ \& $1{ }^{\text {R0pl }}$ \& by 81004 <br>
\hline ${ }^{181014}$ \& 35.50
46.00 \& 326.50 <br>
\hline 16AP4A
$16 \mathrm{Pf4a}$ \& 33.00 \& 28.80 <br>
\hline 16EP4A \& ${ }^{35.00}$ \& 38．20 <br>
\hline $16 E P 48$ \& 5 \& 38.20
27.00 <br>
\hline ${ }_{1}^{16 F P 4}$ \& 36.00
46.00 \& 27.00
34.40 <br>
\hline ${ }_{1}^{16 \mathrm{CP4}}$ \& 46.00
46.00 \& 34.40

24．00 <br>
\hline ${ }_{16 \mathrm{l}}^{16 \mathrm{JP4A}}$ \& 38.25 \& 28.80 <br>
\hline $16 \mathrm{KP4} 4$ \& 337.00 \& 28.00
32.30 <br>
\hline ${ }^{16 \times \mathrm{kPa}}$ \& 43．000 \& 330.00 <br>
\hline $16 \mathrm{RP4}$ \& 37.00 \& 2 E .00 <br>
\hline 16 PP4 \& 37.00 \& 28.00 <br>
\hline 16 PP4A \& ${ }^{40.00}$ \& 30．00 <br>
\hline 162 P 4 \& 35．00 \& 26.00 <br>
\hline $178 \mathrm{PP4a}$ \& 36.00 \& 27.00 <br>
\hline 17894 A \& 43.50 \& 32.75 <br>
\hline \& 35.00 \& 26.00 <br>
\hline 17 FPAA \& 38.50 \& 29.00 <br>
\hline $17 \mathrm{lla4}$ \& ${ }^{46.00}$ \& 24．00 <br>
\hline $17 \mathrm{JP4}$ \& 36．00 \& 27.00 <br>
\hline ${ }^{17894}$ \& 37.00
38.25 \& 28.00
28.78 <br>
\hline 770p4 \& 36．00 \& 27.00 <br>
\hline ${ }_{17 Y P 4}^{1794}$ \& 36.50
36.00 \& 27.50
27.00 <br>
\hline $17 \mathrm{TP4}$ \& 55.50 \& 41.55 <br>
\hline 19 P4A \& 59.00 \& 44.00 <br>
\hline $19 \mathrm{AP4B}$ \& 59.00 \& 44.00 <br>
\hline 19AP4D \& 59.00
51.50 \& 34.50 <br>
\hline $20 \mathrm{CP4A}$ \& 51.50 \& 38.50 <br>
\hline 200P4A \& 51.50 \& 38．50 <br>
\hline ${ }_{20}^{20 \mathrm{HP4}}$ \& 53.00
52.25 \& 39.75
39.25 <br>
\hline $20 \mathrm{MP4}$ \& 54.00 \& 40.50 <br>
\hline TVAP4 \& 55.00 \& 4.50 <br>

\hline 21EP4A \& | 55.00 |
| :--- |
| 64.25 | \& 41.50

48.00 <br>
\hline ${ }_{217 P 4 A}$ \& 52.75 \& 43.00 <br>
\hline $21 \mathrm{KP4A}$ \& 56.00 \& 42.00 <br>
\hline ${ }_{2}{ }_{2121294}$ \& 53．75 \& ${ }_{40.25}$ <br>
\hline $24 A P 4$ \& 110.00 \& ${ }^{83.00}$ <br>
\hline $248 P 4$ \& 101.50
15150
15 \& 76.00 <br>
\hline 27AP4 \& 151.50 \& 113.00 <br>

\hline 27EP4 \& $$
\begin{aligned}
& 140.75 \\
& 136.00
\end{aligned}
$$ \& \[

$$
\begin{aligned}
& 105.50 \\
& 102.00
\end{aligned}
$$
\] <br>

\hline
\end{tabular}



## LAFAYETTE - HEADQUARTERS FOR COMMUNICATIONS RECEIVERS


" Headquarters for fine communicetions Lafayette has been the Hohe latest models are available as soon recoivers tor 32 years. Anntacturers.
as released by the mand
se refeased byy your new receivor.
before you buy

| efore you |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| ${ }_{8}^{\text {H }}$ | 49.50 | 1 | SW ${ }^{\text {St }}$ | 179.95 |
| S-4if | 119.95 | 1 | VC 1331) | 369.5 |
| S-53A | -899.50 | 1 | нRO 60 |  |
| ¢X-71 | 224.50 | 1 | Ham | 254.00 |
| Sx-7\% | 179.50 | 1 |  |  |


\section*{RME MC-55 5-BAND MOBILE CONVERTER} | MC.53. Tor ? 6 and 10.11 Meters … $\quad 6 \quad 6.60$ |
| :--- | MC. 51 , for if. 20 and 75 Meters.

MC.S1, for

## TRUE FIDELITY

FM-AM CHASSIS

## with PHONO PRE-AMP

## and 12" SPEAKER

Reploçe your presen obsole custam instollation with this truly terrific volue in an FM-AM radio with built-in preomplifier for voriable oudio system, plus a mide-range $12^{\prime \prime}$ PM spalt true fidelity provide better quotity raproduction than mony of the mueh higher priced radios of enly a fow years ogo. We're so sure thot you'll be enthusiastic about this great buy thot we will permit you to raturn it within 30 days of purchase dote for full rafund, less fransportotion chorges, if you are not entirely pleased with it. Advonced modern circuits in this fine set include compensoted pre-amplifier for GE and other variable reluctance pickups; high and low impedance phono inputs, full range tone controt; 2 cobinet antennosloop ond fold ed dipole, 10 -wott push-puli beam power range covers 88.108 Mc on FM and $550-1700 \mathrm{Kc}$ ouency
 6SH7, 6AT6, SSC7 2-7C5, Has 5Y3GT , 7A6, 7F7, operotion on 105.125 volls, 60 cycles AC. 9 " $x 13^{\prime \prime} \times 91 / 2^{\prime \prime}$ deap.
1P121 1P1215-Shpg. wt. 25 lbs.


NEWI JOHNSON VIKING II The Jobnson Viking II transmitter kit inenr porates all the desirahle features of its predc cessor plus those retpired for effective and uppression. CW on all hands 160 thru 10 130 watts on final amplifier uses parallel 6146 meters. New farts supplied. including ropper plated steel cabinet. chassis. Wirinc harners plated steel hardware and tuhes. Complete construction test and operntion manual alkn .279.80 JOHNSON MOBILE TRANSMITTER KIT mobile transmit-
mer kit. A band-
switching 4 band
rig. 60 watts in-
rystal or carbon. Crystal or VFO control Crystal
Viking Mobile Transmitter Kit (less tuhes)
99.50
$\square$

## JOHNSON VFO KIT





 elpctical sumply Gelvering with all nirit and instructi
$81 \mathrm{se} ; 7 \times 6$
wt 7 y ins.


MOBILE EQUIPMENT
Performance-Proven on the Highway GONSET "COMMUNICATOR" Complete 2-*ay, 2-meter station for mobile or fixed use. Super station far
and builf-in noise ceseiver input. Crystal or ctippe in speaker and i9" whip. mike. Buils.
$7 \%^{\prime \prime}$. For 110 V . AC or 0 V . 0.41 .

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GONSET "SUPER 6" AMATEUR COMV Covers 10. 11, 15, 20. 40 and 75 meter CONVERTER cost bands. High sensitivity 49 and 19 meter SWh with pedance ontenno switithyity on and 19 meter SW broad. sedance ontenno switch far 40 and 75 mip. High-low im.
subes and separato broadcast antenta tubes .................. broadcast antenna input lack. With $\$ 52.50$

pulti-band mode! featuring high ' $Q$ '. high out enough for under-dash mounting continuous. Small dynar any standard carbon ing. Universal in With tube crystal mike. Match high impedance plug-in tinal (6AG7, 6146. Matches any antenna. plug-in inal coils 10 thru 80 mit 2-6AQ5), and (phone) quires: 300 V . DC ${ }^{80}$ meters. $51 / \mathrm{a}^{\circ} \mathrm{Hx} \mathrm{B}^{\prime \prime}$ VFO UNIT. E 6.3V. AC or DC @ $@ 1.15 \mathrm{ampe} \mathrm{ma}$ Cable plugs into Etionally stable and compa.....
$\$ 29.95$


[^1]

BIGCIR PROIB SPECIALS!
FOR DE TUBULAR ELECTROLYTICS
28. 32.498 36. 152.52


# massla  For eneral replacements． 500 WV DC．Toler ance $20 \%$ ．Stye $K-5$ thru 680 mmp．Size 562, L． 250 dla．Stylc  type Gp and capacity when ordering． AVAILABLE CAPACITIES－MMF 

| 5 | 24 | 50 | 120 | 270 | 510 | 1800 | 4000 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 25 | 81 | 150 | 300 | 560 | 2000 | 4700 |
| 12 | 27 | 56 | 180 | 330 | 680 | 2200 | 5000 |
| 15 | 30 | 68 | 200 | 360 | 750 | 2500 | 5600 |
| 18 | 33 | 75 | 220 | 390 | 1000 | 2700 | 6000 |
| 20 | 39 | 82 | 240 | 470 | 1200 | 3000 | 6800 |
| 22 | 48 | 100 | 250 | 500 | 1500 | 3300 | 7500 |
|  |  |  |  |  |  |  | 10M |
| Any of Above Capacieles，Each．．．．．．．．．${ }^{15}$ |  |  |  |  |  |  |  |

NPO CERAMICONS

AEDOYOX＂BPD＂DISC CAPACITORS Ideal for TV and high frequency
use． 1500 V．DC test．Ceramic
di－electrlo separates diates．Very dow molsture absorp－ tion，low power factor，high dlelec－ tric strength，high specinc resist．
ance and mechanical strength． Specify＂暗保＂type and ca pacity when ordering．
Aerovox Type＂BPD＂－2 and 3－Section Cap．Mid．Dla．Eischjcap．Mid．Dil．｜Each

| ． 00047 | 石 ${ }^{\text {a }}$ | ． 15 | $2 \times .001$ | 1100 | 24 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ． 0008 | ＂ | ． 15 | 2x． 0015 | 110 | ． 24 |
| ． 001 | ＂石＂ | ． 15 | 2x． 002 | 1100 | ． 24 |
| ． 0015 | 164 | .15 | $2 \times .003$ | 3 | .26 |
| ． 002 | is | ． 15 | $2 \times .004$ | 象。 | ． 26 |
| ． 004 |  | ． 15 | 3x． 0015 | 3 | ． 29 |
| ． 0105 | 2 | ． 15 | $3 \times .002$ | リ＂ | ．29 |

CORNELLDUBLIER MOLDED MICAS


Standard micas are $20 \%$ ．Sllver mlcas are
$\pm 5 \%$ ．All are 1000 v test． 500 v DCW except
sizes above 006 which are 600 V test and 300 v


## MILLER HI PASS TV FILTER

路Reduce interference from indus－ equipment．Also＂Ham＂signais below 40 Mc ．No practical af－ tenvation of TV signals above 40 Mc．Simple installation．Connect to TV set antenna terminals．Size $11 / 2 \times 1 / 5 \times 31 / 2$ ．Shpg．wt． $1 / 2 \mathrm{lb}$ ．
MODEL 6

## 29

Eferal Reetifier．Far battery charours Typ 1013．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． 59 Selectron Rectifer．Rated 20 mo ．Inpul voltage 260 rms ．Far photaflash units． NET，a． 1.34
Refector．Use with FA－100（Kemlite DX） wh vertical adapter．
Type FA－101 ．．．．．．．．．．．．．．．．．．．．．．．．．．．．．NET，e． 2.75
Vertical Adapter．For use with medlum Type FA－102．．．．．．．．．．．．．．．．．．．．．．．．．．．．．NET，eo． 2.60 Delay Relay． $5-25$ micro－second delay sync for operotions using 3 to $41 / 4$ valt flashguns． Type FA－103．．．．．．．．．．．．．．．．．．．．．．．．．．．．NET，ea． $\mathbf{3 . 5 0}$ Spraque Floshtube．Same as Kemlite U－5W． Rofed 100 w．s．U－shaped bulb，wafor base for 450 volts．Inferehanges with G．E．FY－105． Type FA－104．．．．．．．．．．．．．．．．．．．．NET，a． 7.50 Reflector with Plastic Shield．For use with FA－104 or G．E．FT． 105 ．
Type FA－105．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． 3.50 TYpe FA－105．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．． 3.50
Vibrator．4－prong base－Interrupter type． Vibrator．4－prong base－Interrupter type
Replaces W65．
Mallory W859．．．．．．．．．．．．．．．．．．．．．．．．．NET，ea． 3.23

$\qquad$ | NET， |
| :--- |

Type C－D D36．．．．．．．．．．．．．．．．．．．．．NET，a． 4.53 Sprague Vlbrotor．Same as Oak V6815 Type FA－106．．．．．．．．．．．．．．．．．．．．．．．．NET，ea． 8.50

1118
（4）（B）（ㅇ）（응

Latest model．Check these impravements． Cooler handle of molded plastic．Perfect bal－ far positive cantact．Ceramic insulation for dautble safety．Extra－flexible cord． $7^{\prime \prime}$ overall length
mODEL 776，Cord，Hondle Only．．．．ea． 90 Lots of 10．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．each 73 p

## REPLACEMENT TIPS

New＂Elkaloy Tiplets＂．Super versalilify．－ greater conomyl You no langer hove to dis－ cord the heoting unit－it can be used with tip after tip．Threaded＂riplefs＂screw Into healing unif．Standard element and tip are
20 watts，Extra hot－ 37.5 watts．Heat to $600^{\circ}$ in 60 seconds．Standord Tips Fig．Type Deserip．EA．10，EA
 $\begin{array}{lll}1236^{\circ} & \begin{array}{l}\text { Praramid } \\ 1239^{*}\end{array} & \text { Chisel }\end{array} \quad 1.06$ 86；
 $\begin{array}{lllll}0 & 535 & \text { HI．Unit } & 86 \% & 71 \$ \\ 0 & 1235 & \mathrm{Hi} \text { ．Unit } & 1.06 & 864\end{array}$ New 776 Handle and 536 Tip．．．．．．．ee． 1.76 Lots of 10. ．
．e． 1.43
Neve 776 Handle and HI Heat
1236 Tip
．e． 1.96
Lots of 10.
．a． 1.60

## LENK SOLDERING PENCIL $\rightarrow$

Model 251 ．Lightwaight，rutged， 25 wattipen cil type iran． $1 / 8$ dia．tip perfect for tigh designed for continuous duty applications． Niekel plated copper tip has high corposion resistonce Minlapure hip has high corrosion and tiny tip permit access ta＂parts－pacted＂ chassls．Total welaht including cord only 4 oz．Element of silver nichrome and mica on a brass core．Use on $110-120$ volis AC．DC Shps．wt． 8 az.
Ea， 3.00
M． 2.00 ， 12 or more，ea． 20 Model 256．Identlical to above，but 40 watts．
Ea． 3.75
Tips for Lenk Pencll
Ea． 304
3.50
1.76

UNGAR SOLDERING PENCIL

## －

－ －

NEW CRL

Engineered for TV Installations where af－ tenuation of signal is necessary to obtain top performance．Automatically matches signal strength to recelver requirements． Prevents overlaad and subsequent＂rear－
ing＂of picture．Improves both audio and
video．Will motch impedance between an with 300 ohm line．Size $11 / 4 \times 13 \times 13$.

$$
\begin{array}{lcc}
\left.\begin{array}{cc}
\text { Type } & \text { Attenuation } \\
\text { PCH.10 } & 10 \mathrm{db} \\
\text { PCH-20 } & 20 \mathrm{db} \\
\text { PCH-30 } & 30 \mathrm{db} \\
\text { PCH. } & \\
40 & 40 \mathrm{db}
\end{array}\right\} &
\end{array}
$$

PCH－100．S 1

CORNELL－DUBILER OUIETONE FILTERS






Type PF．4．For use on small raclio reccivers where
 C－D Type IF 4 Filter．

FILTERS FOR USE AT APPLIANCE
Tyo IF－6．Plug－in type fllter for interfcrence conditions of mosicrately
low futensity．Wistalled betwren appliance and power sulphly wilh shor return lead which reduces radiation．Rathe： 110 V ．AC or DC，$\overline{3}$ anns Shpg． 6 t． 8 C．D．type IF－ 6 Filter

Type 1F－19．Capacitive－inductive type fitter for use where interference is severe．Frante counection provided
for ground．In bakelite case．Rating： 110 ．AC or DC． for ground．In bakelite case．Rating： 110 V ．

## FLUORESCENT NOISE FILTERS

Type iF－24．Mounts inside fixture by means of slotted strip which alips nder any assenbly bolt．Case is




## MALLORY REPLACEMENT VIBRATORS



## \section*{ <br> <br> Exact replacement for power transformer in} <br> <br>  <br> <br>  <br> <br> 

 <br> <br> } Herland Electronic Photaflash equipment．May be used in many AC oparoted photoflash out－ ets．Recommended for the Sprague AC Elec－ tronic Phofoflash unit．Primary 10S／115／125 volts．

## "BUY-WISE" SERVICEMEN! CUSTOM AUTO RADIOS - "ELECTRO-TOUCH" Tuning



CUSTOM DESIGNED FOR 1948-1951 FORD, DODGE, PLYMOUTH, CHEVROLET, HUDSON, STUDEBAKER, HENRY J
These fine, custom-designed outa, radios are made especially far recent and late model papular cars. Full, simple installation instructions enable anyone to installand save plentf. No cables, no brackets, no holes to drill. Superhat cireuit has five Pubes, plus rectifier, for super-purformance. Three gang funing condenser, funed R.F. stage assure fine sensitivity. Fine toned Alnico $V$ speaker, A.V.C.: easy vision blide rule dial. Exceptionally low drain from your ear's 6 -volt battery. Simple one or two unit construetion depending on car. Re. quires no experience to install. Simple,


Universal Type Auto Radios These single unit canstruetion, universal mounting cars and trucks and under the dashboard of most joy as you travel. and bring you hours of listening Standard Model.
auto Superhel with big set perform and rectifier cars; simple universal mounting permance. Fits oll and excellent tone from Alnico. Fine sensitivity, AVC. Illuminated slide rule dial V PM speaker. battery drain. $1012^{2} \times 61 / 4 \times 41 / 2^{\prime \prime}$ mefal case. II 1 bs.
IP 567 -1P567-
Stondard Model........................................... 28.50
De Luxe Model Pown with RF stage and IF trap to eliminate interference Has antenna compensator, matches any auto aerial. Tunes 540 to 1650 Kc . Naise any auto equipment supplied for average car. Nuppressor slide rule dial: Alnico $V$ speaker: Brown Ham. meroid finish metal case, $51 / 4 \times 41 / 4 \times 121 / 2^{\prime \prime}$. Complete with fubes: far 6 volt operation. Shpg. wt. 13 lbs.
1 P623De Luxe Model.
34.50

## 'ELECTRO-TOUCH' TUNING AUTO RADIOS

A touch of the finger and your radio's electronically
tuned to a station with absalute precision not to just a few wre-set absalute precision.... and not to iust a few preset stations but to all of your
favorites. Your eyes never have to customing is automatic. What performance the road custom buitt seven tube. 3 gang auto radio gives top Francisco or anywhere are... in Baston or San

TOUCH. Of anywhere between... that's ELECTRO. rectifier, operates on six volt storadyne ... has a autamatic volume cantrol, a permanent battery, has namic speaker and gives 8 tube performananef dy. fully finished to match your parformance. BeautiTOUCH weighs but 12 your car. the ELECTRO. installed in your car in- mastand it can be easily to drill. "Tone Control." Shpg wt minutes. No holes

## STANDAED SIDE COWL

## ANTENNA

4-section telescopic side cowl antenna for late model streamlined cars as well os alder types. Extends from 36 to Adminalty brass equipped with $36-i n$. Admiralty brass equipped with $36-i n$.,
high " $Q$ insilated shielded loom. high "Q" insulated shielded loom. Requires two holes for mounting Shipg. Wh. $1 / 2$ lbs.
Stock No. AA-15,
Stock No. AA-15, (4559)........ 3.23 3 -section versior of the above. Extends
from 29 to 63 inches. Shpg. wt. I from 29 to 63 inches. Shpg. wt. I Ib.
Stoek No. AA-14, (4567)........ 1.79 stock No. AA-14, (4567)..........1.79

## DISAPPEARING

## AUTO ANTENNA

 Antenna collapses until only 5 inches are exposed. Extends to 56 inches. Swivel base permits easy adiustment in wide range of angle mounts to fit ony model car. Designed to match car contour. Shpg. wt. 11/2 lbs. Stock No. AA-20, (4571)REPLACEMENT ANTENNA LEADS Shielded leads for all auto antennas. STOCK NO.

REPLACES
AA-16
36'" lead for all side cawls except AA-14 AA-1\%,
36" lead for AA-14
AA-18.
$48^{\circ \prime}$ lead for AA-10, AA-11, AA-13 \& AA-20
AA-19
36" lead for AA-20

## AUTO ANTENNAS

## SIDE COWL MOUNT

## Heavy triple chrome plated brass.

 3 section-60 inch-2 stanchion mounting. Fits the latest streamlined bodies as well as older models. With static discharge tip and $36^{\prime \prime}$ shielded lead. Shpg. wt. $11 / 4 \mathrm{lbs}$.Stock No. AA-i2, (C66),

$$
3 \text { sec. ext. to } 60^{\prime \prime} \ldots \text { e. } 1.69
$$

In lots of 3 3.45


$$
5
$$45

## TOP COWL MOUNT

Sturdy chrome-plated brass tubing. Top fonder and cowl mount offers excellent performance. Modern styling and design. 36" lo-loss polyethylene lead with vinylite jacket. Shpg. wt. II $1 / 2$ lbs. Stock No. AA-13, (4602),
3 sec. ext. to $60^{\prime}$ '....ed. 2.35
In lots of 3, eo...............2.19

## THEST EOUTIPMIENT



MODEL 22H. NEW VACUUM TUBE VOLTMETE


Versatale top-quality laboratory-precielon VTVM for trigger-fest operation and lifetime dependable service. 15 different ranges. Large rugged $431^{\prime \prime}$ meter, can'tFM diecriminator alignment. Electronic AC \& DC rangea: 0-5. 10. 100. 500, 1000 v ( 30,000 volte and 200 MC wieh HVP-1 and - 75 probes). Ohmmeter ranges. .2 ohms to 000 megs. DB acale. New stable double riode balanced bridze circuit - extreme accuracy. 26 mega DC input impedance.

 Includes all parts and tubes.
Elco Model 221-K-KIt, complete. Net Each.
$325^{96}$
Elco Model 221-Factory wred. Net Each.
.349 .86

MODEL 425, NEW 5" TV-FM-AM OSCILLOSCOPI


All-new laboratory-precilion scope siven you all the extra senaitivt ty and reaponse receivers. Puening oflo. FA \& AM and horizontal pinplifiers. Boonted sernitivity. 05 to 1 rme voltofinch. Uneful to 2.3 Mc . TV-type muldivibrator sweed clrcuit. 15 cpa - 75 KC . 2 -ardi intenaity modulation feature. Dual pooltioning controla move trace anywhere on screen. 5BP1 CRT. Handiome 3 -color etched rubproof panel. rugzed stecl cape. 115 v . 60 cycle $A C$. $1 /{ }^{2}=17 \times 13^{\prime \prime}$ case. $115 v$. shippling Weight. 29 lbs.
Eica Moded 225 K -Kit Includes parts, tubes. Net Each 34485 Eica Model 425-Factory Eired. Net Esch. Net. $\$ 78.85$

 Combineg af the leatares of the

 mb-mintritury. indudiny e-proe
 poctets. Muliteater rance: CC





 Model $825-\mathrm{C}$ counter model also avallable.
Fig, a PICTURE TUBE ADAPTER. Model CRA. Adapts $625-\mathrm{K}$ and 625 Tube Testera for checking all sizes of. TV picture tubea. Measures elements. Complote with standard 12 -pin socket octal plugin comentor and 4ft cable scermit testing tube theut plughn from tet. And wt. 2 lbs. Model CRA Xdapter. Net

## R.F. \& HH-VOLT PRORES

rf Probe Kits. With Germanium crystal. For aignal trac ing and measurements to 200 mc . Size: $61 / 2^{\prime \prime}$ long, $1 / 2^{*}$ dia. Wt., 1 ib. P75-K. For 221 and 214 STKTM.
.3 .75 75. As above but factory-wired p76. As above but factoty-wired. NET sACM 5.95

hich-VOLIAGE PROEE. Modol PVP.I. Ready-tombe hith Yoltage probe fot adapting 221 and 214 VTVM or any othere
VTVM to read up to 30.000 voits. Insulated handle ia absolntely safe. Has interchangeable ceramic multiplier. Overall length. 10 . Maximum diameter, $2^{\text {² }}$. With cable. Shpg. wt., $11 / 2 \mathrm{lbs}$ Model HVP-I, NHf.
6.95

Simpson modil 260 sit tistre This VOM feature ex treme veraatility, rent conagmedness. Cur practically megtigible, Molded bakelite subrate pocketa for multipliers, providing maximum sulation. and added inof 20.000 ohmsitivolit
Read as Read as low as 2 micro-
amps and higps and $1 / 5$ ohm, and an megs. $41 / 2$ ampe and 20
 and ourput volts. $0-25-10-50-250-1000$; 20
0.100 volts on AC and DC only. DC amps; reaintance, $0-2000-2000000$ ma and $0-10$ $0-20$ mega. Db, -12 to +5500 ohms and
 teries and leads, Shpg. wi., 5 lbe. . . . . 38.17 1-114isis Cowhlde Cane. CET. . . B. 81 top" case. NET. . . . . . . . . . . . . . . . . 48.88 10-000007. HV Prebe. Extends DC range to
25.000 yolta. Wt., 8 oz. NET........9.75



## SPRAGUE <br> New.

 NiT.MODEL TO-4 TEL-OHMIKE D Bridge-type instrument for measuring capacity and resistance. Locates open. intermittent or shorted condensers and class that will check small ceramic it pacitors used in TV sets. Power factor, $0-55 \%$. Capacitance 1 manf to 2000 mfd in 5 ranges. Resistance, 2.5 ohms25 megs in 3 ranges. Lentage current, 0-6/60 ma Polarizing voltage: $0-60 \%$, volts. Insulation recistance: $150-20,000$ megs. For ${ }^{110-120} \mathbf{v}$.
72.03

CHICAGO INDUSTRIAL INSTRUMENT TEST EQUIPMENT AC-DC MODEL 312 VOM

CONOMY MODEL 371 VOM


Housed in mis, 0-10,000
lite case, with bokeke
 Shpe. wt.. $11 / 1 \mathrm{NET}$


MODEL L200c SIGNAL GENERATOR
For mervicing AM, FM asd televinion re ceivera; 88 kc . to 120 mc . In 8 benda; ( $(\mathrm{m}$ mum deviation. Unumodolated $\mathbf{R F}, 400$ cycle moilulated RF, externally modu lated RF and 400 cycle sudio output Dual-calibrated RF attenuatore. 0-100\% modulation control, $64^{\prime \prime}$ acale with ver nier for reading 1000:1. 0-50 volta AVC voltuge. Complete with coandal cable. In beavip trel case. For $110-120$ volts $50-60$ cyclee.

Mon 71.78


## (2)용 <br> OAK RIDGE MINIATURE TEST EQUIPMENT

## MODLL 106 "CATMITIU Cat YESTM The "Cathette" tests macmetially. focued tand elegitumedicery focused picture tubee. 3 G aqure meter whome CRT quatitiection oreakdown or lokinge, gan botween electron Elin eler: heth roit bo    mente Connecte directly to mocket of CRT in TV set Hith mit repor t. 2 资 ibenth droodecal plig and wocket thd inutructiona. Shpe MODE los wry <br> 27.35




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NEW BOGEN MODEL R-604 FM-AM TUNER
The now lhagent Re.fot urwighs the curincer amd jnspanilations deshige smoniferfy with tone routrols.













MODEL FM801 FM TUNEE. Similar in appear. ance and $E M$ circuit features to R604. Has
inputs for crystal phono and TV; function inputs for crystal phono and TV; function
selector switch. Complete with tubes and selector switch. Complete with tubes and
instructions. Shpg. Wt.. 12 lbs.
NET. 75.90

Fig. B. MODEL 8701 FM-AM TUNER. An out standing tuner with deluxe standards of performance and versatility. Up-to-theminute features: Automatic frequency con-(super-sensitive cascode FM RF temperature-compensated oscillator: has and treble controls; AM whistle filter two AM selectivity positions. Cathode-follower permits long lead lengths bet ween tuner and amplifier. Flywheel tuning mechanism Phono input takes all popular matetic car tridges. Installation is simple-only rough shaft and dial cutouts required; tuner panel coppletely covers cutouts. Oufpwf; 3 volts: 6000 ohms. Sewsilivily: FM, only 3 micro: volte for 30 db quieting; AM, 5 misrovolts. Inpuls: Phono and TV. Conirolsi Volume; AFC On-AFC-Of; Power Of-Phono-AM Normal; AM Hj-Fi-FM-TV: Treble; Tuning. Tubes: $6 \mathrm{~KB} 7-\mathrm{A}, 6 \mathrm{AB} 4,4-12 \mathrm{AT7}$,
 Built-in AM loop; provision for outdoor antennas. Brushed brass panel. With tubes and instructions. Sjase; $15 \times 81 / 2 \times 9^{*}$. For $110-120$ v., 60 cycles AC. Shpg. wt., 17 lbs. NET.
145.20

MODEL AM901 AM TUNER. Same appearance as R604. Very high sensitivity. Two se. inputs; eelector switch. 4 tubes: rectifier With instructions. Wt.. 12 lbs. NET. .
62.70


## RADIO CRAFTSMEN NEW C-800 FM-AM TUNER


 Advanred Circuit Design. Tuned 11F stuges on both FM and AM. Separate trimple
 applications. Uuitput mut ches ligi, or low sain umplitier with inpur for reerrding
 interference: Input for Ty: ansiliary input for recorders. etc. Dual tome cuntrols are





 MOOELC-800M, List 202.00 .

NET 177.50

## THE NEW C-400 HI-FI AMPLIFIER

[^2]

HIGH FIDELITY FM/AM TUNER-MODEL SR. 401









 Model SR-401

NET 139.95

## Pilor thath, PIITTiNE

Amplifier:


PILOTUNER AM-FM TUNER AF-B2I

 front is ont with rngravert luette rule dial cati
 llis s mc ). Arpirivity in mieruyght of 3 vinits
 khitidect wainmt meiliator rudiathon (i) contorm tw Prec Npperincationk. Butheln anternhan wlith
 awlecheli in or out from front wailel an nepoted he FM Hullt-in two stake firer-amplilimer for high thandity whond cartriager can the nwlether out for or phonograin and $T+$. With tolim controls to





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 The qew fllotnme high hitelity amptiner uses the sudio teproduction. The proxiblity of lits desian permits 3 ti, use with phonotraphe redio tuners owatis runfers and mierophntes. Powre outpul it watis Incerompilulation distortion tean ihe: a at 10 watta ( 110 and 7000 ens $4 / 1$ ratlo) requpncy resionse: 20 to 20.000 cpa fiat whith ted . Hum and noise level- 80 do below ful cir facerl oat put (Indry reatalance 470000 Inpu slupaker oupput lompedspoes 8 and 16 ohmn. Nese. lve ferdhack 20 dh. Phase uhits +15 defrees 20 o 20 , Ma; esms self contained pawer nupply. Oper.
 T-68. I- $31+4$ G power rectifer. Boltom plate ypphlied with rubher feet. Power sochet to yower with operasing matructinn and weliematic dia


## PILOTONE PRE-AMPLIFIER PA-911

 The compantion unt for the PHotone AA-901 cunnerting rable to AA.ON mountiner trom Whicr Hutathg monwer. The melector switch allow rayla of phonn irnd in matition, 3 auxiliary. TV Nnstifon ror records-Audlo. Eingineertig som. ghy National Axpoetation of Bropdemsters and





Pllofene are-omollifer PA. 811 .

## 

Famous Bell High-Fidelity Amplifiers
 mble features liat are lust wated by high puty for a rudio tiner and tuly Crystal pickup this amplifier contains two sinurial inphts for the new tyne Mapnelic picknps. Isuili-fh preannplifiers and indfridual equalization of eath of the
 plekups. Tass and Treble hoost, plus attcinatinn. makes it possible for the operator to adjustitho tome inpedince permits proper matehing to mont types of speakers. In gaddition two 117 volt ontlets are providert on the back of the amplititer
 than $3 \%$ disturtion. Ilum: 185 db below ralest 10 watt output. Sass Sontnil: -14 db 16
+13 db at 100 cyiles. Treble Coninn: -138 $\frac{10}{2}$ to +12 db at 10 kc . Inputs: ('rystan] plinnm: cartrifkes sucb gs G.F. and one for higholerel
 tunet. Magnetic inputs hare builtojn equalizin!
 Truble-On. Off and 3 .position selector swileh:
 tubes. For $110-120$ volts, 60 eycte $A C$. Slang. Mödel 2122 B . list N 4.1 IN . NET. . . . 49.45 Model $2122-8 x$ Shaft Extension Kit. Fiur
above. With dial panel, four 1 yin brass ext. above. With dial panel, four 1 告" brass ext.
shafte, and instuctions. Wt. 1 lb.

MODEL 2200 20-WATT AMPLIFIER
This amblitior is the latest to mone out of ISclin rellown curineering hataratories. It has been corporvitel int its desiof all of the fraturis most Thesired by lovers of high thetelity zeprodnction. The Wrikel $2=200$ las a removable etcloed diaj plate inti is sumplieyl ramplete with six 1 ita tion. It alsu hias a serket for pluxtine in a pilot
 Three 117 volt A.d., witlets are provided oin

 ellstom ifsiallatinn with the master puwer wwith bill llto aluplificr. rechnical Specs: Response: +0.5 th. 20. 0.a



 low lesel cariringes). TV mirpophone and tape.
 HNJ. 7 (iT: $78 \times 16^{\prime \prime}$ With thbes and shaft extension kit.
For $110-120$ volts, $50-60$ cycle AC. Wit., 28 Model 2200. J,ixt 1 iin.ibl). NET. . . . 97.31




BOget model dsio-1

 $\pm 1$ dh. Has selector switel for Hadio, plono
 117 , ge cycles Ac. U/L' approved. Shlp. Wi. Modal DB10-1. List 90.75. ......NET 53.38 Model CUD. Wi" Ext. Panel Shafts for above


Angle of Coverage: 100 degrees in both horizontol ond verticol plones Power Handling Capacity: 32 wotts of progrom moleriol
Model RF-471. 12" (\%ouxial Npraker

2" COAXIAL LOUDSPEAKER-MODEL RF-471
The famous Stromberg-Carlson co-axial speaker, with exclusive car-pinchoe-leather suspended "tweeter," provides a smooth, wide-range response with wide-angle (100 degree) coverage.
Magnet Structure: Low-frequency unit, 20 oz. Alnico-V, high.irequency unit, 12 oz . Alnico. 111
Impedonce: 8 ohms
Frequency Response: 30 to 15,000 cycles
Finish: Silver groy, "verifyne' wrinkle
Size: Diometer $121 / 8^{\prime \prime}$, depth $71 / 2^{\prime \prime}$
Weight: 12 lbs ., pocked for shpt. 15 lbs .

## THE ULTRASONIC MODEL U-25

The HIITRANONIC MONBI. I.25 brings to sou fuli concerit hall enjensment fant your loudapesker frece of bexont, hox ribration or timiLess. The remarkable bass regponse las beel
 cablatet to jts four suecially desimued $\delta^{\prime \prime}$ loudspeaker units. which permits ubout the sume radiation as that which would be obtainer and enclused it us cabinet occupying six to ten cribic feut. Teests of this new loudspeaker show 1 unifurm frevucncy response from sil to 11,000 (P3s,
Model U-25 Sveaker. . . . . . . . . . NET 29. 15


## Genoral Electric Phono Accessories

## G. E. Magnetic Cartridger, Preamp, Compenactor

TRIME-PLAY TYPES
For playing both microgroove and standard recorda. taton-type. replaceable dualtipped stylus. With short and long knobs to fit most tone arms; hardware and inatructions. Size. ${ }^{21 / 32 \times 11 / 6 \times 11 / 5 " .}$
RPX.050. Sapphire tipe: .001" for micro groove ( $331 / 3$ and 45 rDm ); . $003^{\circ}$ for stand ard ( 78 rpm ). Wt.. 4 oz .

List. \$13.95. NE
8.20
"Golden treasure" cartaidges. Deluze, gold-plated models, featuring use of diamond tip for minimum record wear and long stylus ife. On the basis of cost rs. buy." Av. shpg. wt.. 6 or. RPX-052. With stylus having .001" diamond tip and $.003^{\prime \prime}$ sapphire tip.

List, \$38.95. NET. . . . . . . 22.90 apx.053. With stylus having 2 diamond tipe: . $001^{-1}$ and .003. List, \$57.90. NET
.34 .05 SINGLE-STYLUS TYPES
Cartridges with replaceable single-tipped ${ }^{\text {stylus. }}$ For any pickup arm with $1 / 2^{\prime \prime}$ mitg. ctrs. Size, $121 / 3 x / 4 x / 46$.
RPX-041. For microgroove records. Minimum needle pressure, 6.8 gms. Output. 10 mv at 1000 cycles. With $001^{\circ}$ sapphire dip atyus List $\$ 9.05$ NET
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"Golden taeasure" cartridges. Goldplated cartridges with diamond-tipped stylus life. The "beat buy". Wi. 6 or long stylus iffe. The beat buy. Wi., 6 oz.
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TOR FOW AL-900 RECORD COMPENSA. TOA. For use with G.E. cartridges (listed at helt). Provides adjustable playback reaponse to compensate for recordine charbeterics of dise beins played. Connects Emplons cartridge and equalized preamp. passive net ark Five positions: (1) LP. (or any record with microgroove recording characteristics. (2) AFS; compromise sponse for most modern recordings. (3) Flat: No roll-off beyond 1000 cps . for discs with tow backeround noise and distortion. (4) Good; for early 78 rpm 's with notice able amount of high frequency distortion roll-off at 7500 cps . ( S ) Poor; for early 78 rpm shellacs with limited high frequency response and high noise level; roll-off at 4000 cps . Mounts on panels up to $1 / 4^{4}$ thick. Case size: $21 / 2 \times 2 \times 2^{2}$. With shielded

JIM LANSING SIGNATURE SPEAKERS
The famous Jiun Lansing precision enginerred and constructed sperakers are nate to supply the compromise, dependent unly on your audio systern. The 13 .inch D-130. with a puwer handling capacity of 25 watia, has a vircually
fat frequency response from 50 to 12,000 cos. Has seque-piece noveded cone with aluminusio high irequency center diaplragm. Eses an edge 3 will ribbou voice coil witb a diameter of 4 ". 3 Ib Alnico V pemmanemt paruet. Nominal nelic. numpted in hearys rikid alumiuum frame. Jim Lansling deptio
signature speaker. . . . . . . . . . . . . . 70.40 MoDEL D-131. Sume design and construction

 MODEL 208 . A moderate priced 8 " model


lead and phono plug. Wht. 10 or.
List, $\$ 14.95$. NET
8.79

NEW MODEL UPX-003A PHONO PREAMAIFIER. Latest. imptoved self-powered model. For use with G.E. cartridges. In creases output to higher kevel. permitting use with any radio or phono amplifier. Features improved equalising network; circuit changes to permit use of $u p$ to 50 ic. of cable. Size. $33 \times 3 \% \times 11 / 4^{*}$. With phono input jack on chassis, $14^{\circ}$ shielded cable with plus; 6SC7 tube and selenium rectiGer: inatructions. For $110-120$ voles, 60 cycle AC. Shpg. wt., 21/4 lbe

List, $\$ 17.95$. NET.
.10 .55
Wide-Range Replacement Styli
For G. E. Magnetic Cartridges
New "Baton" type styli provide response over range of $30-15,000 \mathrm{cpe}$. Wt., 2 os Duol-Tippod Siyli

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Lust Exch, E5.55. NET EACH................. . 3.50

| APJ-013 | $\left\{\begin{array}{l}\text { Diamond } \\ \text { Soppaire }\end{array}\right.$ | $\begin{aligned} & .001^{\circ} \\ & .003^{\circ} \end{aligned}$ |
| :---: | :---: | :---: |
| List Exch \$31.00. NET EACH............ 18.2 |  |  |
| $\begin{aligned} & \hline \text { RPJ.011 } \\ & \text { RPJ.012 } \end{aligned}$ | $\begin{aligned} & \text { Diamond } \\ & \text { Diamond } \end{aligned}$ | $\begin{aligned} & .000^{\circ}, .002 \\ & .001^{\circ}, .00 \end{aligned}$ |
| List Eseh, \%h9.95. HET EACH......... . 29.3 |  |  |
| Singlo-Tipped Siyli |  |  |
| $\begin{aligned} & \text { RPJ-005 } \\ & \text { RPJ } \begin{array}{l} \text { RPO } \\ \text { RPJ.001 } \end{array} \end{aligned}$ | $\begin{aligned} & \text { Sopphaire } \\ & \text { Soppopire } \\ & \text { Sepplire } \end{aligned}$ | $\begin{aligned} & .091^{\circ} \\ & .0025^{\prime \prime} \\ & .003^{\circ} \end{aligned}$ |

List Eneth, $\$ 3.50$. NET EACH.
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vented to eliminate non-linear compression ef"/i". Vonce coil diameter $2^{\prime \prime}$. Jlm Lansing model 208.
24.32

## UNIVERSITY

## MODEL 6201 HI-FI COAXIAL

Enioy balonced response and full range reproduction with this $12^{\circ}$. 25 -watt, high fidelity large speaker. Low frequencies ion frequen. cles by a tweeter driver unit ond horn coaxially mounted. Tweoter provides high frequency ars that blends with low frequency oufput to form - uniform area of sound $80^{\circ}$ wide. A built-in, 2000 -cycle crossover network assures maximum efficiency of the waofer and tweeter University Mode! 6201 $\qquad$ 44.10



Extra $5 \%$ discount in quantities of 100 assorted. These tubes avoilable from New York Mall Order Division
only, at 100 Sixth Avenue.

## AG-DE Phono Amplifies

 Build jour owa record playing unitthy thin ecomomion ampliter chanit Thy thin ecownimon ampliner chacis
ignubped with a vartable tone control

 $110-120 \mathrm{~V}$. id cyctat AC or $110-190$ Or
DC- Suplied with tine cord and plug. puting tubec shpe Wh 2 lba, 2.95

$$
2.95
$$



2-TUBE PHONO AMPLIFIER with Tubes A. Sowo tube phona amplifer ving Wolltouith sood tome and rectiffti. Contuine volume sond vild vitb -rich AT A BIG BAVING complitic wirn


455 KC UNIVERSAL

## I.F. TRANSFORMER

Only $3 / 4^{\text {" }}$ Square
$49 c^{82}$

The most popular replacement I.F. at half the regular price! Exceptionally high gain powdered fron core, compression tuned, 455 KC midget I.F.—only $3 / 4$ square by $17 /{ }^{\prime \prime}$ high. For both input and output circuits. Supplied with mounting clip and adapter plate to replace both midget and larger size cans. Shpg. Wt. ${ }^{4}$ ozs
Lots of 10 ,
$59 c$
$49 c$


PHONO NEEDLES
Synthatic ruby-tipped. Each needle miero scopically shadawarophed. Shank is shapęd to provide spring action and high vertical compliance. Each needie individually pocked in o. Regular resole price $\$ 3.50$.
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## UNIVERSAL

## 3-SPEED NEEDLE

2948 of 10


Ovar $\mathbf{8 0 \%}$ discount on these famous brand needias! Offset shank with osmium tip. Plays all 3 speeds. On individual cards with manufacturer's name. Regular resale $\$ 1.50$.
PK-21............slogly, e0. 39c...........Lots of 10, e0. 29e

## MERCURY SWITCH

## One ampars with: makes asd broats

 P1*10-10 for $1.00 ., \ldots, \therefore$ Emen 22

SAVE ON POWER TRANSFORMERS
Made by one of the leoding manufac. tures in the transiormer field. Stand. nations make these transtormers wail worth our low cost.
90 MA Power Transformer Plate voltage 700 volts center tapped amp. MA, filamant 6.3 volts at 3.5 Mounting centers $21 / 4^{*} \times 2+2^{\circ}$ "; shpg. wt . $41 / 2 \mathrm{lbs}$. Stock No. TR-9 5, single 3.95 eo. Lots of 3....................... 3.75 eo.
200 MA Power Transformer for TV and Radio Plate voltage 800 volts center tappad at 200 MA ; filament 6.3 volts at 5.5 dmp . rectifiar 5 volts at 3 amp . Mounting

stock No. TR-16, single 6.15 ea.
Lots of 3
5.88

## 

6 PIECE SCREW DRIVER SIT
 Five interchangeable - hard. steel blades: unbreakable shockproof, ehuck-type amber shockproof, chuck-type amber hande. Consisft of blade $6 \times 1 / 4 "$ blade, $1 h^{\prime \prime}$ \#| Philips head, 1-6" \#2 Philips head head, Shpg. Wt. I lb.
Stock No. HD-10, Complete with plastic case.. 69e

## COMBINATION TOOL KIT



Pliers made of drop forged tool stan-screw driver blades are hardened, tempered tool steel, all. cross ground-plastic handle is unbreakable, shockproof and nonmiammable. Consists of: 1-7 blade, $1-6 \times 1 / 4^{\circ}$ blade $1-5{ }^{\circ \prime} \times 1 / 2$ philips head, $1-$ amber handle with chuck. Shpg. Wt. 2 lbs.
Stock No. HD-11, Complete with plastle cese 1.29

## 8 PIECE "BUDDY" SET

 Philips head blete. l-an \#2 Philips head bla-4e, I-_" \#2 Philips head blade l-a
3 ft. steel tap 3 ft. stael 2 lbs.
Stock No. HI

## SELENIUW REGTIITIR

Most popular sires for radio and
V. Famous brand. All frash; new
can't go wrong these prices.
Lots of 1 RE-12, 65 MA., ©. 5¢c......................................... 57e eo. RE-14, 7 MA., ©. 62c........................................ 59e a
 RE-11. 250 MA., ee. 1.25........................................ 1.19 e EE-13, 400 MA., ©a. 1.5 1.52 e

## HYTRON TEST-POINT ADAPTERS

Wish you could tast a chassis topside? Without first pulling and wrastling with he heavy chassis? Without disturbing wifing and parts by digging underneath or buried sockets? How much faster, asier, safer you could work! New CBS Hytron Test Adapter does the trick. Just eplace a tube with the Test Adapter Plug tube into Test Adapter. Presto, all sockt connections are topside .... with in instant reach of your test prod. Just one iob pays for this new CBS-Hytron Stock No. Hytron

| tock No. | Type | Description |
| :--- | :---: | :--- |
| MS-23 | SH-27 | For 7 Pin Min. Tubes |
| MS-24 | SH-28 | For 8 Pin Octol Tubes |
| MS-25 | SH-29 | For 9 Pin Min. Tubes |

NET 1.45
2.25 or 8 Pin Octal Tubes 2.25
1.75

LONG SHAFT CONTROL famous WITH SWITCH RAAND


Lots of 10,
39 VC.11, $1 / 2$ Meg.

Audio Taper
Each
49


Stenderd 4 prone-Reploces Mollory 294. 859 , 901 M , Rodiort 5300,5301 ; etc. Con size $11 / 2 \cdot 4$
cen.
$\$ 1.29$
10 Lots.
$\$ 1.19$

SELENIUM BATTERY ELIMINATOR
Converts your battery operated portable plug eliminator into AC outlet and pluq your set into proper socket of and plug Delivers 1.5 volt "A" and 90 volt "B". Filtered hum-free reception. Uses no tube Size $21 / 1^{\prime \prime} \times 41 / 2^{\prime \prime} \times 6 \frac{1}{4}$. Shpg. Wt. 5 lbs
Stock No. P15708.
9.85

## 6 PIECE COMBO-KIT


pecially designed for the Radio Mechanie. Drop forge tool steel pliers-hardened, tempered and cross-ground blades. Consists of thin nose 5 diagonal cutfer. $1-614^{\circ}$ hin nose $S^{5}$. side cutter $4 \times 1 / 0^{\prime \prime}$ bladei lins $\times 1 / 4$ " blade -amber handle with chuck
Shpg. Wt. 2 lbs
Stock No. HD-12, Complete with plastic ktf.....-...... 1.89

## 7 PIECE

SUPER NUT DRIVER SET
Most popular socket sizes-polished, hardened steel detachabie clutch. Contains: with precision chaft i-l/a" her nut shaft hex nut shaf, 1 Co hex nut shan' $1-5 / 16^{\prime \prime}$ her nut $3 \mathrm{~mm}^{\prime \prime}$ haz nut shaft hex nut her ' $u$ t shaft with chuek. Shipg. Wt. 2 lbs.
Stoel No. HD-14, Cemplete with plestic tool roll. 1.99



[^0]:    In lots óf 10..... ea.

[^1]:    MASTER MOBILE MOUNTS \& WHIPS
    BODY MOUNTS. Spring swivel base. With caox sannector $132 \mathrm{C} \ldots \ldots . \quad \$ 8.75 \quad 1325 \mathrm{C}$-Stainless $\$$ Steel...........$\quad \$ 10.75$ $132 \times C$-Heary duty, for Jcaded whips................ $\$ 9.85$
    BUMPER MOUNTS. $140 \$ 6.55$ 140X-Heary $\$ 7.85$ BUMPER MOUNTS. $140 \$ 6.55140 \mathrm{X}$-Heary duty $\$ 7.65$ STAINLESS STEEL WHIP. $90^{\prime \prime \prime}$ lang. Treaded $1 / 3$.......... $\$ 8.65$ 100-965

    > All-Bond Moblle Antennas

    Complete with one coil (specify). Fits $3 / 1$ SAE thread. Less spring mount.
    20 meter coll. AB/W20
    40 meter coil. AB/W40
    75 meter coil. AB/W75
    Eoch $\$ 8.75$
    Each $\$ 8.75$
    Extra 0 ils for $20.10,75 . . . . . . . . . . . .$. Eoch $\$ 8.75$
    2-Meter Coox Antemnor
    140 io 170 mc . Waterproof, polished chrome finish. With 10 ff . of 72 ahm caox coble. Supplied complete. With side Cowl Mount - Type 1. With 2 brackets........ $\$ 15.95$

[^2]:    Specifications: Response: $\pm \mathrm{db}, 10 \cdot 30,000$ at .5 watt: $\pm 1 \mathrm{db} .15-20.000 \mathrm{cps}$
     at 10 watha less than $i$.is at 11 watt. Jfum and Ninise: 70 do below maximuin
     The $\mathbf{C} 400$ can be used 10 a
     tubes. For operation from $105-125$ vols. 80.00 cycle AC. Shpg. Wt. i2 Complete with WODEL 0400 , List 71.05. .

