

The Largest Radio Mail Order House In The World

# Lafayette RADIOS



CATALOG 56... 1935

**WHOLESALE RADIO SERVICE CO. INC.**  
 Main Office and Warehouse  
 100 SIXTH AVENUE • NEW YORK, N.Y.

Serving the South and Southwest  
 430 W. PEACHTREE ST., N.W. - ATLANTA, GA.

Serving New JERSEY  
 219 CENTRAL AVE., - NEWARK, N.J.

# IN YOUR OWN HOME!

That's The Place To Select  
*Your Radio!*



*Lafayette's*  
*famous*

## 30 DAY <sup>FREE</sup> TRIAL OFFER!

**Gives You One Full Month to Prove that**  
*Lafayette is the set for you!*

**H**OW often have you heard the claims "Finest in the world," "Will out-perform any set on the market," "Visit our dealer and convince yourself"? Promises, exaggerations, claims — that no radio set in the world could live up to.

The cautious radio purchaser tries to "buy safe" He does "visit the dealer" There he listens—very carefully—to a radio set. Naturally, the dealer has seen to it that the set is adjusted so that it will perform very satisfactorily in that particular location.

Mr. or Mrs. Radio Buyer listens to the set perform for a half hour—perhaps for even an hour—and if it sounds good the set is purchased. They fail to realize that the very same set may sound entirely different when it is installed in their own homes, because of a difference in atmospheric conditions, installation, etc Or they don't stop to remember that the set which performs like a champion in the store may sound like a boiler factory in the home.

Entire Contents Copyrighted 1934 W R S. Co - Printed in U.S.A.

We don't ask you to take our word that a Lafayette will satisfy you! Instead, we give you an unequalled opportunity to test a Lafayette in the privacy of your own home for a full 30 days. Listen to it perform. Make it pull in every local station in your vicinity during the busy early evening hours. Then go after distance. Pull in far-away stations with the ease of locals.

Then, and then only, consider that you have purchased your Lafayette. If, however, for any reason whatsoever you do not care to keep your set—if you are not absolutely and completely satisfied — your money will be refunded **IN FULL**, without questions or arguments of any kind (less transportation charges).

That is the famous 30 day **FREE TRIAL OFFER** originated by LAFAYETTE. It is to the best of our knowledge and belief the most liberal trial offer ever made by a radio manufacturer. Only our unlimited confidence in the quality that has been built into every Lafayette Receiver makes it possible for us to make such a broad guarantee.

*The Largest Radio Mail Order House in the World*

World Radio History



# Visit our MODERN SHOWROOMS!

If you live in or within driving distance of New York, Atlanta or Newark, be sure to visit our great modern salesrooms—for a cordial welcome awaits you in each city.

You'll be thrilled by the beauty and spaciousness of our quarters, our busy sales counters, our Great Bargain Counters and by the hundred and one little details which go to make each Branch a marvel of perfection in Modern Merchandising.

In each salesroom you'll find a great and varied stock representing the products of hundreds of manufacturers. You'll find a complete array of Broadcast and Short Wave sets, kits and equipment which may be heard in special booths under conditions approximating those of the home.

You'll find a Permanent Display of Public Address Equipment, too! Our engineers have assembled every type of sound equipment . . . thousands of dollars worth . . . and have designed a special hook-up to enable you to

actually compare, before installation, the volume, tone and fidelity characteristics of any Lafayette Amplifier with any make of speaker or combination of speakers. It removes the guesswork in selecting the right P. A. System for the right job.

In each city a trained technical staff is always available to aid you in solving some particularly knotty problem without cost or obligation while our Bureau of Standards in New York will insure the high quality of everything you buy in New York, Atlanta or Newark.

Each salesroom is centrally located in each city. Here Servicemen, Amateurs and Short Wave Enthusiasts will find that despite the extra service and the added benefits to be derived from personal buying—there is no extra charge. Here, over the counter, as when you buy by mail you'll find everything at lowest wholesale prices—for, as always, "We Will Not Be Undersold!"



**ATLANTA, GA.,** Phone Walnut 5140  
If it's not convenient to buy in person send your orders by mail. Prompt shipment within 24 hours assured.

**NEWARK, N. J.,** Phone Market 2-1661  
Customers in New Jersey may phone or mail in their orders and have quick delivery assured. This is an innovation at this great branch.

# WHOLESALE RADIO

*a branch at*

# ATLANTA

"THE RADIO OF THE SOUTH"

## SERVING THE SOUTH AND SOUTHWEST!

**SERVICE**—that has been our slogan through 13 years. A promise which has been performed; a motto which has brought us to leadership as the Largest Radio Mail Order House in the World!

And now to render even faster, more efficient service; to bring you merchandise at lowest Wholesale prices even though you may be located far from the manufacturing and buying centers of the Radio World, to better serve the needs of Radio Servicemen, Amateurs and Experimenters in the South and Southwest, we have opened our new ATLANTA BRANCH.

In this great new Branch you'll find a Special Department devoted to Public Address, a complete assortment of Short Wave sets, kits and equipment, a great Business Counter, a technical staff to aid you with your problems... everything to make it the most complete and modern Radio Organization in the South!

And, although here in Atlanta we will carry the largest and most varied stock ever assembled in the South, there may be occasion when some special part is needed. To meet this contingency we have installed a Teletype system direct to our New York warehouse so that within 2 minutes direct contact can be established with Atlanta and your order is in New York... ready to be taken care of promptly!

If you live in the South or Southwest be sure to send your mail orders to this great Branch for in most cases you can be assured of 24 hour service plus a real saving in transportation costs.

Here in Atlanta as in New York and Newark, the tradition of SERVICE will be maintained... a tradition which has made this company a National Radio Institution and which will make this Atlanta Branch the "Radio Capitol of the South!"



**FLASH! TELETYPE BRINGS**  
to Atlanta

# SERVICE CO *establishes*

# NTA

CAPITOL  
SOUTH™



*Wholesale Radio Service  
Co.'s Customers in this  
Vast Territory  
Are Assured of*

**LOWER PRICES  
FASTER SERVICE  
COMPLETE STOCKS**

**LOWER  
TRANSPORTATION  
COSTS**



*New York* **COUNTER SERVICE**  
*in 2 minutes!*

World Radio History

# Lafayette

## IMPROVED "NEW DEAL" 5<sup>tube</sup> A.C.-D.C. SUPER-HET



**18<sup>45</sup>  
WITH TUBES**

### MODERN CIRCUIT

THE Lafayette "NEW DEAL" employs the latest type pentodes in the following manner. A type 77 is employed as a combined oscillator, RF amplifier and first detector, in a circuit triple tuned by a three gang condenser, which provides the most efficient pre-selection. A type 78 Variable-Mu pentode is utilized as high gain I.F. amplifier together with the most efficient I.F. coils ever developed. A type 77 in turn converts the RF signal, and passes it to a 25Z5 output pentode. A type 25Z5 rectifier supplies the necessary power. No greater efficiency can be obtained in any receiver,

### SENSITIVITY AND SELECTIVITY UNPARALLELED

The sensitivity of this remarkable set attains a new level for 5 tube AC-DC receivers, being approximately 15 micro-volts per meter. With this degree of sensitivity practically all stations can be heard with the built in aerial contained in this receiver. Selectivity is more than sufficient to separate stations in the most congested areas.

A really modern set, in a modernistic setting. This Lafayette "New Deal" 5 tube AC-DC superheterodyne has more features than it is possible to enumerate in this small space. The handsome modernistic cabinet with its striking lines exemplifying the new art indicates that the designers have taken great pains to obtain a cabinet worthy of this unusual receiver. In fact, this set is so radi-

- ★ Latest Tubes—Finest Circuit
- ★ Maximum Efficiency
- ★ European Model Available, 190 to 2000 Meters

cally new, that it tunes beyond the regular broadcast band to 1575 K.C. instead of just 1500 K.C. allowing the proud owner to explore the new experimental band, which we predict, will be used for future broadcast purposes. A truly Modern Set!

### STONE QUALITY — PORTABILITY

A super fine dynamic speaker, together with effective baffle provided by the cabinet, permits a full rich tone, even at a volume unheard of in this type of set.

Salesmen who travel extensively will find the "NEW DEAL" convenient, being only 8" high, 12" wide, and 6" deep. Can be made absolutely portable if desired by obtaining the genuine suede carrying case with zipper fastener listed below.

Model A-15—Lafayette "New Deal" 5 tube AC-DC Superheterodyne, complete with tubes, for 110 volts AC and 110 volts, 60 cycles AC current. Shpg. wt., 12 lbs. Code Gorge. List \$40.00  
**Your Cost \$18.45**

Model AM-25—European model, 190-2000 meters. Code Cabby. Your Cost **\$21.95**

Add \$1.00 for 220 volts, either model.

Genuine Suede Carrying Case, with zipper fastener, for the Lafayette "New Deal" Receiver. Your Cost **\$1.50**



### HIGH GAIN TUBES AND COILS

THE PRECISELY engineered circuit employs a type 6C6 as combined oscillator and modulator, a type 6D6 as I.F. amplifier, a 6C6 as pentode second detector, a 43 as power output tube and a 12Z3 rectifier. These high gain tubes, together with the special high gain tuning coils, are responsible for the receiver's unusual selectivity and sensitivity.

### MORE THAN AMPLE VOLUME

Small as this receiver is, it provides enough volume to fill the average room with music. The actual power output is well over one watt! Another feature that cannot be overlooked is the fact that regardless of where the volume control is set, the reception is always clear and lifelike.

## 5<sup>tube</sup> Lafayette "TOURIST" A.C.-D.C. SUPER-HET

**14<sup>95</sup>  
WITH TUBES**

A REAL 5 tube superheterodyne, for either alternating or direct current, is yours when you select the Lafayette TOURIST as your next radio receiver. With a total of four tuned circuits (exclusive of oscillator tuning), it is especially selective without undue cutting of important side bands or affecting the tone quality of the reproduced speech or music.

Its frequency range covers from 187.5 to 556 meters. The extra coverage at the low end prevents undue crowding of the higher frequency stations and makes possible the reception of many additional stations.

### COMPACT AND HANDSOME

MEASURING only 11 $\frac{1}{2}$  inches long, 7 $\frac{1}{2}$  inches high and 6 inches deep, the TOURIST may be carried quite easily in an ordinary suitcase, and will provide no end of entertainment in a hotel room. In most places no outside aerial will even be necessary, and the AC DC feature removes all worry about the kind of current on tap. Wavelength range covered, 200 to 556 meters (1500 to 550 kilocycles).

Model C-55—Lafayette TOURIST receiver complete with tubes. For 110 volts AC or DC Shpg. wt., 14 lbs. Code Lefur **\$14.95**

List Price \$29.50. Your Cost

Model for 220 Volts

**\$1.00 additional**

# Lafayette

## "WORLD TRAVELER"

**5 tube LONG & SHORT WAVE A.C.:D.C. SUPER-HET**

★ LONG and SHORT WAVE RECEIVER—**TWO IN ONE!**

- ★ 18 TO 55 AND 200 TO 550 METERS.
- ★ WORKS ON EITHER AC OR DC.
- ★ SUPERHET CIRCUIT WITH LATEST TUBES.

THE new Lafayette World Traveller gets its name from its astonishing ability to take its owner on a tour of the world's best radio entertainment, as offered by actually thousands of stations on the regular broadcast band and on the short wave bands. This versatility is further enhanced by the fact that the World Traveller will operate equally well on either direct current or alternating current, and is not critical as to line voltage or frequency. The range of operating voltages is from 105 to 125 volts; the AC power line frequency range from 40 to 60 cycles.

### COVERS TWO WAVELENGTH RANGES

Small as the World Traveller is, it is really two complete radio receivers in one. By placing the wave changing switch in the second position, the set becomes an efficient short-wave receiver, tuning from 18 to 55 meters. This is the most important short-wave channel, and in it will be found the S-W stations of all the important cities of the world, as well as hundreds of distant amateurs operating on 20 meters and airplane and airport transmitters operating at about 45 meters. The short waves are always full of surprises, and you will find the short-wave end of the

**\$19<sup>75</sup>**  
WITH TUBES



SHIPS  
AMATEURS  
FOREIGN  
BROADCAST

World Traveller a source of endless thrills. With the wave change switch in the first position, the receiver tunes in the entire domestic broadcast band from 200 to 550 meters. With more than 500 stations in this range in the United States alone, and scores more in Canada and Mexico, the dial appears alive with music from one end to the other, at practically any time of the day or night.

### ADVANCED SUPERHET CIRCUIT

The advanced superheterodyne circuit of the World Traveller makes this receiver extremely sensitive and selective on the broadcast band as well as on the short waves. Five tubes are used as follows: 6A7 as combination oscillator-modulator; 6D6, intermediate amplifier; 6C6, second detector; 43 output tube and 12Z3 rectifier. The control dial is illuminated for quick and easy tuning, and turns smoothly. The volume control is gradual in adjustment, permitting volume of reception to be controlled exactly as desired.

Model C-20—Lafayette WORLD TRAVELLER complete with tubes. For 110 volts AC or DC. Dimensions: 10½ x 8½ x 5¾". Handsome cabinet. Shpg wt., 18 lbs. Code Lette.

List price, \$39.50.

Your Cost..... **\$19.75**

220 Volt Model..... \$1.00 Additional

# Sensational! Truest

## 4 tube A.C.-D.C. Receiver for only \$9<sup>95</sup>

RANGE FROM 220-550 METERS

The most sensational value ever achieved! A high quality four tube midget receiver at a price that almost seems impossible. A short time ago a set of tubes ALONE would have cost as much as the price of this receiver and the tubes complete... \$9.95. It uses the new type tubes—1-6D6—1-6C6—1-43—and 1-12Z3 in a specially designed T.R.F. circuit that is unusually selective and very sensitive. Covering the entire broadcast band from 200 to 550 meters, it brings in stations near and far with a minimum of interference and the utmost clarity.

### SPECIALY MATCHED DYNAMIC SPEAKER

The specially matched full dynamic speaker provides a tonal quality that is truly remarkable. The deepest bass as well as the highest treble is reproduced clearly and distinctly. You do not have to strain your ears to understand the artist or the announcer—they are right there with you with the Truest Four.

### ARTISTIC CABINET

The cabinet while simple in design is beautifully finished and highly attractive in appearance. Serving not only to house the receiver, it is also a very effective baffle because of its veneer wood construction and contributes materially to the excellent tone quality. No external aerial is required, a suitable aerial be-



ing already attached to the receiver. Nor is a ground connection required. This makes it possible to use the receiver for portable use, a carrying case for this purpose is listed below.

Model C-35—Truest 4-tube Midget Receiver complete with tubes. For 110 volts AC or DC. Dimensions: 12" long, 7¾" high, 6½" wide. Shpg. wt., 14 lbs. Code Calfi. List price, \$19.90. **\$9.95**

Your Cost..... **\$10.95**  
Also available for 220 Volts.....  
Genuine suede carrying case fastened with zipper \$1.50

# More U.S. STATIONS... plus

# World-Wide Reception!

## 5<sup>tube</sup> CUSTOM-BUILT Lafayette SUPER-HET

# only \$23<sup>25</sup> COMPLETE! WITH TUBES!

★THREE BAND TUNING—18-50 METERS 75-200 METERS 200-550 METERS

- ★AIRPLANE TYPE DIAL
- ★TUNED PRE-SELECTOR
- ★TONE CONTROL
- ★AUTOMATIC VOLUME CONTROL
- ★DUAL-PURPOSE TUBES
- ★FULL DYNAMIC SPEAKER
- ★THREE WATT OUTPUT!
- ★HIGHLY SELECTIVE



ONCE again Lafayette proves its leadership! A three band receiver with all of the features you could desire in a radio receiver at only \$23.25! Covers all frequencies between 18 and 50 meters—and between 75 and 550 meters! Will get European Short Wave Broadcasts—American Short Wave Broadcasts—Amateurs—Police Calls—Airplanes—Ship to Shore—and the myriads of other interesting short wave programs that are constantly on the air—in addition to the regular American Broadcasts.

It offers the economy of a five tube receiver with results that are equal to and even better than many seven and eight tube sets! It has all of the features you have come to expect in a highly efficient superheterodyne receiver such as—pre selection—automatic volume control—tone control—three band illuminated airplane type dial—full dynamic speaker—etc.

### USES LATEST TYPE TUBES

The latest most improved type tubes are used throughout including the new type 6A7 converter tube that serves as both oscillator and modulator thus taking the place of two tubes and in addition providing a higher conversion gain than two separate tubes would have. A type 78 vario-mu pentode tube is used in a high gain stage of radio frequency amplification, a type 75 dual-diode-triode tube is used as second detector—automatic volume control—and first audio amplifier stage followed by a type 42 power output tube. An 80 rectifier tube is used for rectifying the high voltage B supply. Both sensitivity and selectivity have been developed to a remarkable degree far surpassing many of the five tube receivers offered today.

### THREE SEPARATE BANDS

Three separate tuning bands are provided with individual scales on the airplane type dial. The regular broadcast band covers the standard American broadcast frequencies between 200 and 550 meters (1500 to 550 KC) the two short wave bands are covered as follows: One between 18 and 50 meters (16,600 to 6,000 KC) and the other from 75 to 200 meters (4,000 to 1500 KC).



### AUTOMATIC VOLUME CONTROL

A HIGHLY efficient automatic volume control that is effective on all bands both short wave and regular broadcast is included. This tends to keep the volume at a constant predetermined point and prevents blasting and overloading of the audio frequency amplifier tubes. It also greatly minimizes the tendency of stations to fade in and out. Another valuable feature is a tuned pre-selector stage that prevents repeat points or image frequency reception and assures the tuning of the receiver to the correct frequency and not to its image.

### FULL DYNAMIC SPEAKER

A specially matched dynamic speaker six and a half inches in diameter reproduces both music and voice with the greatest fidelity. Its full resonant tone is a pleasure to listen to and the inclusion of a tone control permits the modification of the tone to suit individual preferences. Irrespective of the volume setting—at the low, just barely audible, or at the maximum output of the receiver—the tone remains clear and lifelike.

### BEAUTIFUL MODERNISTIC CABINET

The receiver is housed in a beautifully designed modernistic cabinet built of fine matched grain veneers polished to a handsome finish. Dimensions: 12" wide, 15" high, 6 1/2" deep.

Model AM-24—Lafayette Dual Wave Receiver complete with tubes. Shpg. wt., 18 lbs. Code Herot. List \$46.50. 110-125 volts, 50-60 cycles AC

Available for 220 volts, \$1.50 additional.

## \$23.25



# TAKE A WORLD TOUR *with a*

LONDON

BERLIN

PARIS

MADRID

ROME

**\$29<sup>95</sup>**  
WITH TUBES



## Lafayette 6 tube A.C.-D.C. ALL-WAVE SUPER-HET!

FOUR DISTINCT TUNING RANGES.  
13 to 25, 25 to 75, 75 to 200 and  
200 to 555 Meters

- ★ Easy to Read — Airplane Type Dial
  - ★ Direct Foreign Reception Assured.
  - ★ Positive Automatic Volume Control.
- voice, which can be toned down to a whisper without loss of quality. The rectifier is a 25Z5.

### FULL ALL WAVE COVERAGE

The 6-Tube All-Wave Superhet is a true all-wave receiver, tuning continuously, without deadspots, from 23 megacycles to 540 kilocycles, or 13 to 555 meters. This means you get everything on the short waves—foreign broadcasts, amateurs, ships at sea, airplanes in flight, scientific expeditions, police alarms, etc. All the thrills of the short waves are yours at the flip of the wave changing switch.

The illuminated airplane type dial, with the various bands clearly marked on it, makes distant reception easy even for the novice. The handsome modern cabinet will satisfy the most fastidious taste. Its highly polished satin finish brings out the true beauty of the attractively grained hardwoods. A distinctive addition to the furnishings of any home.

**Model AM-42**—Lafayette 6 Tube AC-DC All-Wave Superhet, complete with tubes and loud speaker. Beautiful modern cabinet. Overall dimensions: 12" x 14½" x 6½". For 110 volts, AC or DC, 40 to 60 cycles. Shpg. wt., 24 lbs. Code Calma.

**\$29.95**  
List price \$59.90. Your Cost..... Add \$1.25  
For 220 volts.....

SOME receivers work on AC or DC, some are all-wave models, some have automatic volume control, some have full vision dials. Lafayette engineers, after considerable work, have been able to combine all of these desirable features into a single, reasonably priced receiver, which we are proud to present as our 6 Tube All-Wave AC-DC Superheterodyne. After studying its specifications, you will realize that this set certainly is a big bargain and that it does things few other sets of its price class are able to do.

### DUAL PURPOSE TUBES HELP CIRCUIT

The six tubes in this Lafayette achievement do the work of eight with a corresponding saving in power and space. A 6A7 combines the functions of oscillator and modulator, while a type 75 acts simultaneously as second detector and automatic volume control. Two 7B's act as intermediate frequency amplifiers, giving the set great selectivity and sensitivity. A type 43 output tube, working into a powerful 6½ inch dynamic speaker, gives the set a loud, clear

## Lafayette 32 VOLTS 6 tube SUPER-HET **\$36<sup>95</sup>** WITH TUBES

OWNERS of 32 volt Delco and similar farm power plants should take advantage of the special features offered by the Lafayette 32-Volt SPECIAL. This is a full size 6-tube superheterodyne using the powerful 6.3 volt series tubes, with the filaments wired in series-parallel, a convenience made possible by the 32-volt supply. The tube complement includes one 6B7 diode-pentode, one 6D6 pentode, one 6F7 triode-pentode, one 12A5 output pentode and two 12Z3 half-wave rectifiers.

### SEPARATE HIGH VOLTAGE B SUPPLY

All B and C voltages are secured from a vibrator type power pack furnished as a separate unit. This contains ample filtering in addition to noise-proofed vibrator. Cylindrical in design, it is 10" long and 2¾" in diameter, and looks like an overgrown dry cell without disturbing the rest of the set. Total power drawn, 50 watts. No more than an ordinary lamp.

### PRE-SELECTION WITH 3-GANG CONDENSER

A three-gang condenser and a pre-selector circuit gives a high image ratio and thus eliminates interference troubles. Accompanying features are high sensitivity, really effective automatic volume control, full range tone control and four point rubber cushion mounting. Dynamic speaker (6" in model receiver operated by 2½ watt audio amplifier, gives more than enough volume. Full vision airplane dial with all controls clearly marked. Every member of the family old enough to reach the knobs will be able to tune this receiver easily and effectively.

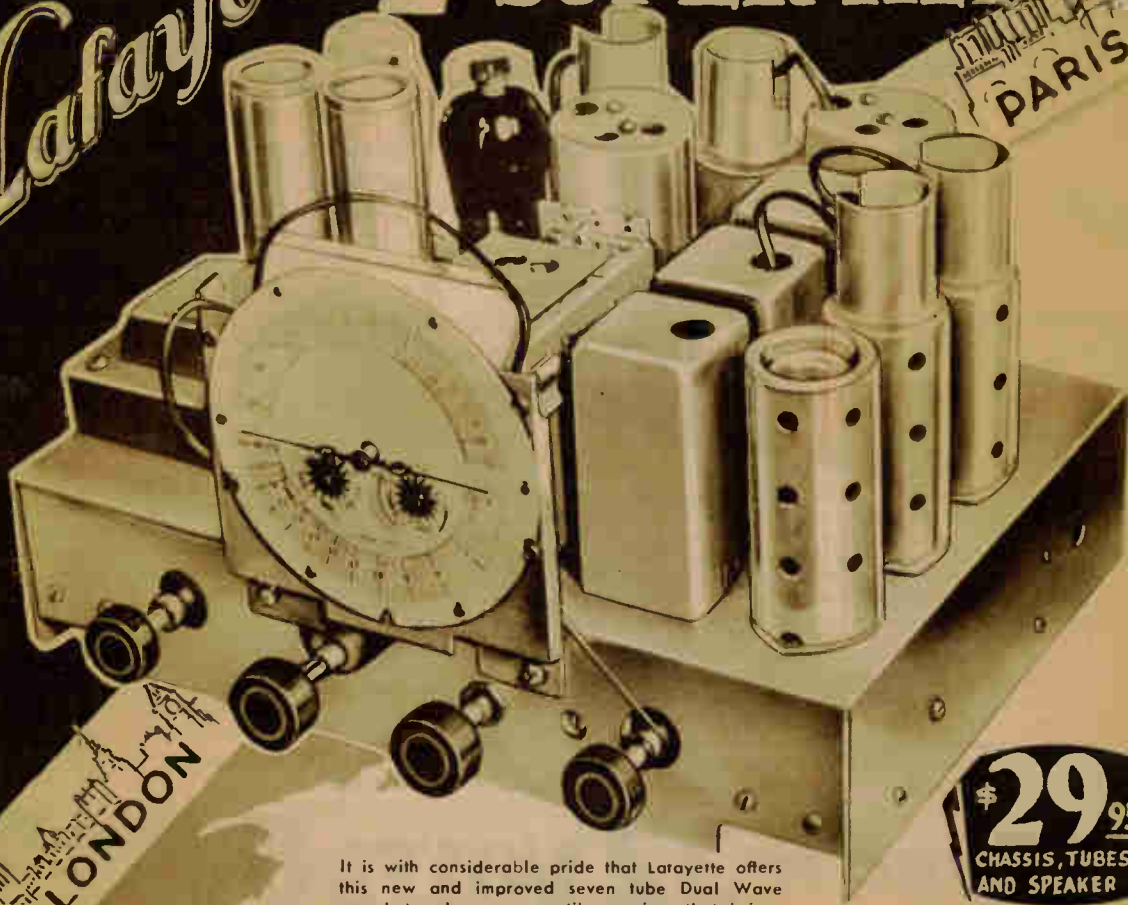
**Model B-64**—Lafayette 32-Volt Special, 6-Tube Superheterodyne, complete with tubes and 6" dynamic speaker. For 32 volt DC only. Dimensions: 15½"x18¾"x10".  
**\$36.95**  
Shpg. wt., 34 lbs. Code Conno. Your Cost.....



# TOUR *the* WORLD

with a Lafayette

7 tube DeLuxe  
LONG & SHORT WAVE  
SUPER-HET



It is with considerable pride that Lafayette offers this new and improved seven tube Dual Wave superheterodyne, a versatile receiver that brings in not only all the regular wave American broadcasting stations, but dozens of European, African, Asiatic and Australian short-wave broadcasting stations as well. Tube for tube, it is unquestionably without equal in the present day market, and it sells for a price that will be greeted with cheers by people who have always wanted to enjoy the thrills of dual-wave reception without being forced to pay fancy prices. Just check over the features listed below—note the careful attention to detail both in design and construction—and you will agree that Wholesale again leads in value-giving.

**\$29.95**  
CHASSIS, TUBES  
AND SPEAKER

#### HIGH GRADE MATERIAL THROUGHOUT

There was no stinting on the part of Lafayette engineers in the use of fine, high grade materials. The workmanship is of the usual high Lafayette standard, and trouble-free operation is assured by the fact that almost 40% of all factory time is devoted to continual testing and retesting of the set during all stages of manufacture.

#### ALL MODERN IMPROVEMENTS

Every modern improvement of circuit design and mechanical construction that could possibly be utilized has been incorporated in this receiver. You don't have to worry about changing fashions in receivers if you own one of these De Luxe Dual-Wave Superhets; your set has everything on it that is of any real use; no frills, but honest features that contribute to the actual performance as you hear it through the clear voiced dynamic speaker.

#### HIGH SENSITIVITY AND SELECTIVITY

The ability to pick up weak and distant stations is really remarkable. Sensitivity is rated at approximately 2 and 8 microvolts absolute (per 4 meters) on the standard and short wave bands, respectively. Despite this extreme sensitivity, the circuit has been engineered so that reception is above the normal noise level. This is important to remember, as an inherently quiet receiver is essential for good European reception. With a good antenna you will bring in London, Berlin, Paris, Moscow and even Sydney, Australia, regularly and with good strength.

The selectivity is carefully adjusted to 10 kilocycle separation, which means that you can tune in hundreds of stations without interference.

It is important to note that the R. F. stage functions on both the broadcast and short-wave bands. This not only reduces image frequency interference but also considerably reduces the noise level. Very few 7 tube sets have this highly desirable feature.

MOSCOW

BERLIN

★ DUAL RANGE

16 TO 50 AND 171.5 TO 565 METERS

- ★ AIRPLANE DIAL
- ★ AUTOMATIC VOLUME CONTROL
- ★ ELECTRO DYNAMIC SPEAKER

NEW TUBES

Seven high gain newly developed tubes are used in an improved superheterodyne circuit as follows: one 6B7 Diode Pentode as second detector and first audio frequency tube; three 6D6 Advanced Vori-Mu tubes in the first radio frequency stage, the first detector (mixer) stage, and in the intermediate frequency stage; one 42 Pentode Output tube is used in the second audio stage; one 76 Advanced Triode in the oscillator stage. An 80 rectifier is used to supply the necessary plate voltages.

TRIPLE INDICATOR AIRPLANE DIAL

An important feature of this superlative set is the incorporation of a Triple Indicator Airplane Dial for tuning both standard and short wave bands. In addition to an accurate indication of both short and standard wave frequencies, the fully illuminated dial registers the setting of both tone and volume controls. A double pointer on the 4 1/4 inch dial spreads the bands so that critical tuning is accomplished with comparative ease. An 8 to 1 reduction ratio on the vernier tuning control further simplifies accurate tuning and practically eliminates the possibility of passing stations.

EXTENDED DUAL RANGE

The frequency range of this receiver extends from 6,000 to 18,000 Kc. (16 to 50 meters) on the short wave band, and from 530 to 1,750 Kc. (171.5 to 565 meters). These bands include all the important European stations on short waves, and all American stations on the standard broadcast band.

8" DYNAMIC SPEAKER

An improved Electro Dynamic Speaker measuring eight inches in diameter, assures maximum fidelity of tone in both high and low ranges. It will safely handle the 3 watt output without rattling or blasting.

CHOICE OF BEAUTIFUL CONSOLE OR MANTEL MODEL CABINETS

In keeping with the electrical and mechanical quality of the seven tube De Luxe Dual-Wave chassis, Lofoyette has chosen cabinets of appropriate finish and appearance. The two illustrated are beautiful examples of the cabinet maker's art. They are both solidly built to eliminate any possibility of cabinet vibration, and they will contribute a definite decorative note to any room in which they are used.

The mantel model is striking in its simplicity. Large baffle area for the speaker is obtained by careful placement of the latter unit. A silk grille covers the speaker opening without affecting the sound emission in the slightest. The console model is truly a majestic piece, with the chassis mounted high to afford maximum operating convenience. It is a piece of furniture that deserves a prominent place in any living room. The beautifully grained woods are a delight to the eye and the finish is such as you would expect in the finest, highest priced furniture.

EUROPEAN RECEPTION GUARANTEED

This receiver has been carefully adjusted for maximum sensitivity and will under reasonably favorable weather conditions provide enjoyable European reception. That is the guarantee that Wholesale gives you on this receiver and that Wholesale Radio Service Co. lives up to with a money back (less transportation charges) agreement.

Wholesale Radio Service Co. makes no wild promises in order to sell you a receiver—but it does live up to the promises it makes. Our Lofoyette thirty day free trial offer has been a policy of this company since its inception—use it to prove our claims.

Model B-39—Chassis, tubes and speaker. Size of chassis, 13 1/4" long, 10 1/4" deep, 7 1/4" high. Shpg. wt., 40 lbs. Code **\$29.95**  
Bore. Your Cost...

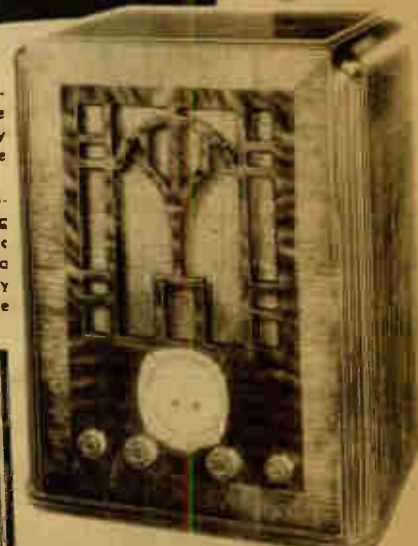
Model B-40—Lofoyette Seven Tube Super-heterodyne in Mantel cabinet, and complete with tubes. For 110-125 volts, 50-60 cycle operation. Dimensions: 15 1/2" x 18 3/4" x 10". Shpg. wt. 45 lbs. Code Boda. List \$67.50. **\$33.75**  
Your Cost...

Model B-41—Lofoyette Seven Tube Super-Heterodyne in Console cabinet measuring 36" high, 20 1/4" wide and 11 1/2" deep. For 110-125 volts, 50-60 cycle AC current. Complete with tubes and speaker. Shpg. wt., 85 lbs. Code Boda. List \$79.90. **\$39.95**  
Your Cost...

Either model for 220 volts \$2.50 additional.



**\$39.95**  
WITH TUBES



**\$33.75**  
WITH TUBES

# The LARGEST RADIO MAIL



**T**HIRTEEN years ago WHOLESALE RADIO SERVICE COMPANY was founded upon the principle of SERVICE. The very word was incorporated in our company's name to be forever a reminder of that principle.

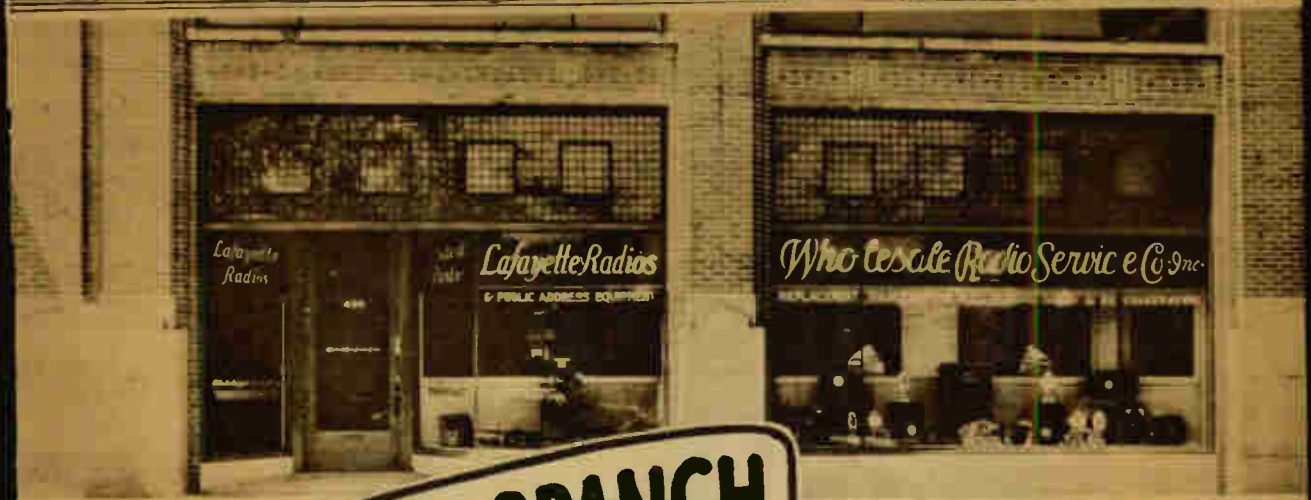
As the years passed and the infant radio industry grew, it became more complex, more involved. Gradually the word Service took on an added meaning. In order to serve you well it became necessary to gather together the finest staff of trained technicians, engineers and sales staff. Men who knew the solution of all your problems; men who could create new equipment, new apparatus to meet the larger needs of Radio and Public Address.

So, today in this great National Organization there are hundreds of willing hands to serve you—in New York, in Newark and in Atlanta. Here you will find the promise of Service performed.

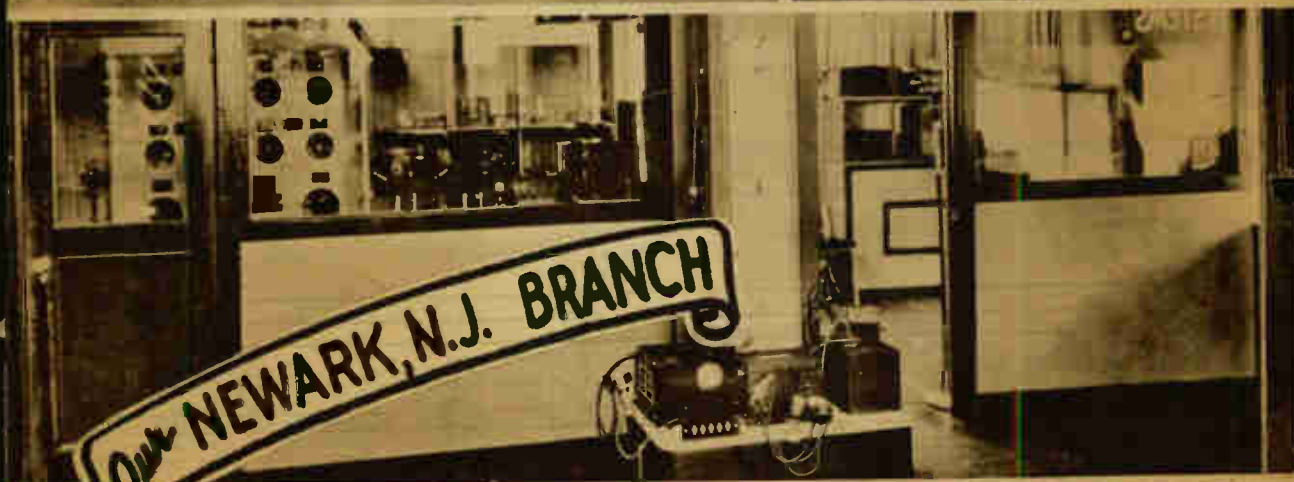
When you buy from Wholesale Radio Service, you buy from the Largest Radio Mail Order House in the World. Because of this you may be confident that what you buy will insure service and your complete satisfaction.



# ORDER HOUSE *in the* WORLD!



OUR NEW ATLANTA BRANCH



OUR NEWARK, N.J. BRANCH

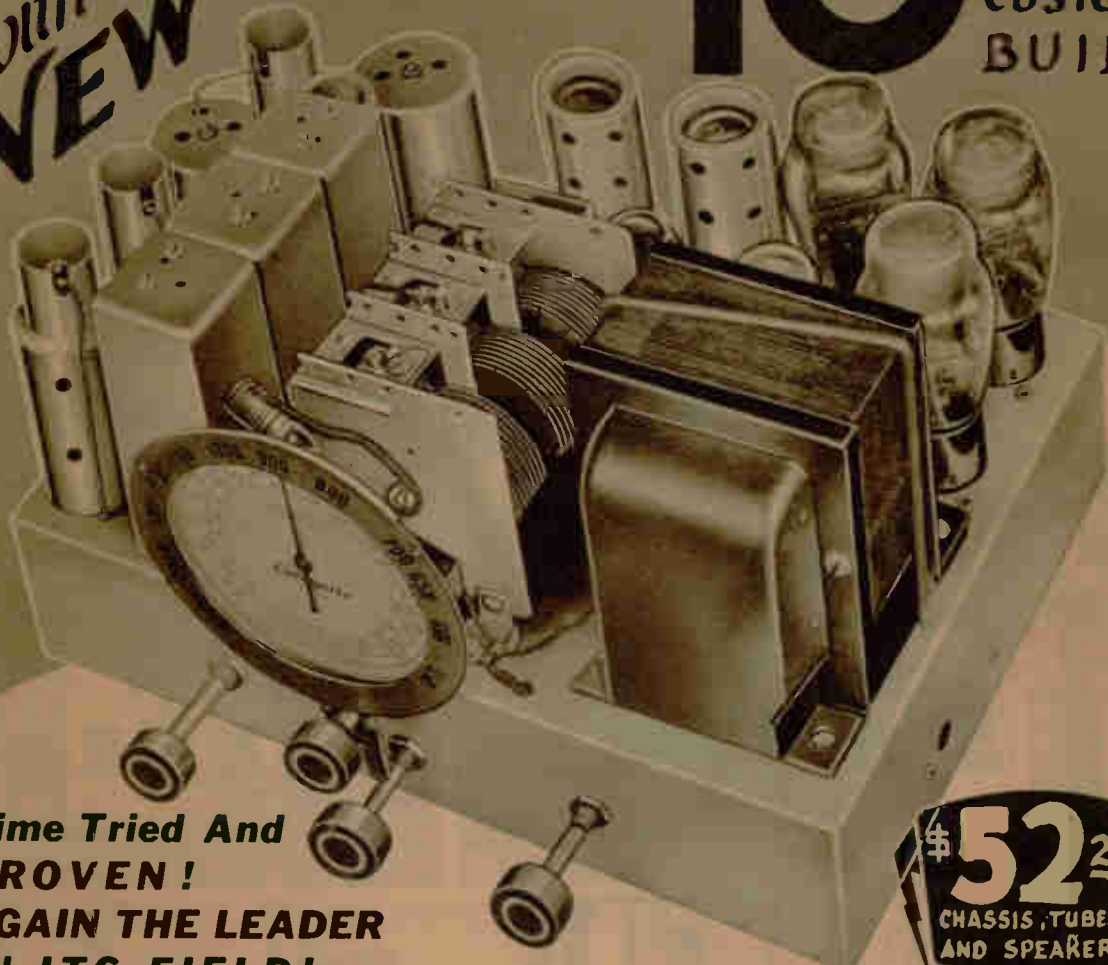


# 4 SETS in ONE... The

## with the NEW

# Lafayette

# 10 tube CUSTOM-BUILT



**Time Tried And  
PROVEN!  
AGAIN THE LEADER  
IN ITS FIELD!**

**\$52<sup>25</sup>**  
CHASSIS, TUBES  
AND SPEAKER

### 4 SETS FOR THE PRICE OF ONE

This new product of Lafayette engineering skill is really and truly FOUR sets in one, although the price you pay for it is no more than the price of an ordinary receiver. Not only domestic broadcasting alone, but the entire world of radio becomes available to you. You practically have four separate receivers for four separate bands.

The first band is the regular American broadcast band between 200 and 550 meters and its operation on this band is far superior to that obtained on most receivers that are only for operation within this limited range.

The second band covers the range between 75 and 200 meters within the limits of which are included the thrilling short wave police broadcasting stations, the amusing amateur stations on both the 80 and 160 meter bands and the interesting aircraft stations.

The third band, from 30 to 75 meters, is of particular interest to the broadcast listener since it is on this band that the foreign stations broadcast during the evening hours. London, Berlin, Paris, Madrid, Moscow, are all on this band with interesting broadcasts interspersed with announcements in English for the benefit of American listeners.

And fourth we have the band from 14 to 30 meters which is used for the broadcasting of foreign and domestic short wave programs during the daytime. This band also has the other amusing amateur phone band at 20 meters where you can eavesdrop on conversations between amateurs thousands of miles apart.

THE first of the Lafayette 10 Tube All-Wave Receivers proved a sensation when it was introduced a few years ago. Yet today the newest model is so superior in performance that there can be no comparison! Constantly improved since its introduction it is today the undisputed leader in its field. Previous models were good, as the following extracts from unsolicited testimonials show:

### UNSOLICITED TESTIMONIALS

"I have the pleasure of owning one of your Lafayette All-Wave 10 Tube Receivers and it is a dandy. I have verifications from VK3ME and VK2ME Australia, Rabat-Africa, GSA England, HBL Switzerland, VE9GW Canada, EAQ Madrid, Spain, and Caracas, Venezuela, S. A. I only need one Asia station to be a member of the 'Hear All Continent Club'."—Walter L. Smith, Baltimore, Md.

"During the two weeks I have had the receiver, I have had only a few hours to operate it each day; but in that time I have logged the following foreign short-wave broadcasting stations: DJB, Radio Colonial, Paris, GSD, DJD, EAQ, LSK, VK2ME, CTIAA, HBL, GSC, DJA, VK3ME, GSB, PRBA, PSK, CNR, HJ3ABD, PRADO, HJ1ABB, YV3BC, GSA DJC, HIX, HJ4ABE, and quite a few I am not sure about."—D. W. Parsans, Cape Henry, Va. Official Radio Listening Post for Virginia.

This is what the previous models have done. The new and greatly improved model has so many new and additional features that there is no question but that it can and will out-perform its predecessors.

World Radio History  
The LARGEST RADIO MAIL ORDER HOUSE in the WORLD

# ENTIRE WORLD of RADIO

# ALL-WAVE

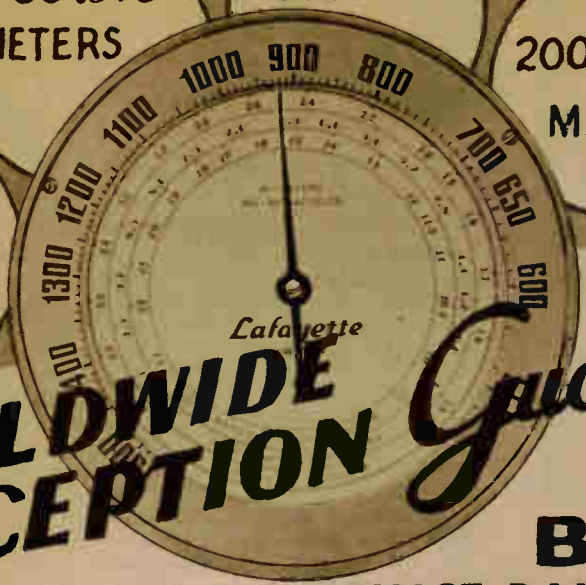
# SUPER-HET

30 to 75 METERS

75 to 200 METERS

200 to 550 METERS

14 to 30 METERS



## WORLDWIDE RECEPTION

## Guaranteed!

### ★ FOUR SEPARATE BANDS!!!

### ★ FOUR DISTINCT BANDS

### 14 to 30 30 to 75 75 to 200 and 200 to 550 Meters!

#### NEW CIRCUIT USING NEW TYPE TUBES

**A**N ENTIRELY new circuit using R.F. Amplification on all bands has been developed for this new model. The types of tubes used and the circuits they are used in, are as follows:

The first tube is one of the new type 6D6 vario-mu tubes and is used in the radio frequency pre-amplifier stage that considerably increases the sensitivity of the receiver and greatly decreases image frequency interference and background noise. This is followed by a type 6A7 tube that is a combined oscillator and modulator or first detector which, in turn, is followed by a high gain intermediate frequency amplifier stage using another type 6D6 vario-mu tube. A type 37 tube follows this with the elements connected as a diode for use as the second detector thus making it capable of handling great power without overloading or distorting. Another type 37 tube is used for the sole purpose of providing automatic volume control action thus providing a more positive and effective control over varying signal strengths. This completes the R.F. portion of the receiver which is followed by the audio system described below.

#### AUDIO POWER OUTPUT OF 12 WATTS!

Of particular interest is the newly developed Class "A" Prime audio amplifier having an output of 12 watts. The second detector is followed by a type 76 tube which is, in turn, followed by a type 41 tube that is transformer coupled to a pair of 41's in Class "A" Prime. The rectifier is a type 5Z3 high vacuum heavy duty tube. No mere written description can do full justice to this amazingly powerful amplifier. Musical reproduction, especially of symphony orchestras, will have a new meaning for you when you hear the full rounded sonorous tones that only ample reserve power can make possible.

#### HIGH SENSITIVITY ON ALL BANDS

The Super-heterodyne circuit is used to its greatest advantage in the 10 Tube All-Wave receiver. For example, the sensitivity on the broadcast band is 3 microvolts—on the 75 to 200 meter band it is from 3 to 5 microvolts—on the 30 to 75 meter band it is from

5 to 10 microvolts and on the 14 to 30 meter band it is from 5 to 25 microvolts—truly an amazing achievement! This accounts for the fact that this receiver will provide perfectly intelligible signals on stations that cannot even be heard on many other receivers.

Selectivity is also of a high order—providing full 10 KC. separation without affecting the tone quality in the slightest degree due to side band cutting. Greater selectivity could easily be obtained but it would necessarily have to be at the expense of cutting the side bands and thereby affecting the tone quality.

#### HIGH ORDER OF FIDELITY

By actual measurement the overall response of the set from 60 to 5000 cycles is from plus 1 DB. to minus 10 DB. In less technical terms this simply means that the loud speaker will faithfully reproduce everything transmitted by the broadcasting station.

#### IMPROVED AIRPLANE TYPE DIAL

A new and greatly improved dial makes the tuning of both domestic and foreign stations a simple matter. The calibration for the standard American broadcast band is etched on the outermost of four concentric circles, the figures being large and legible. The three inner circles contain the markings of the short wave bands which are given in megacycles for quick reference. The dial is four inches in diameter over all and is brightly illuminated when the set is turned on.

The turning ratio of the dial is 12 to 1 which is fine enough for the most critical short wave station "fishing" yet quick enough for rapid exploration of the broadcast band. Four controls in all are provided; band selector, tuning, volume and tone.

#### FOR USE OUTSIDE THE UNITED STATES

For use in foreign countries a special model is available. This model incorporates an additional (5 in all) long wave band from 850 to 2000 meters. In all other respects, aside from this additional band, it is the same as the Model F-62 described above. This special long wave model is known as the Model F-59. For prices on this model see the following page.

500 PRICES ON Lafayette ALL-WAVE SETS SEE FOLLOWING PAGE

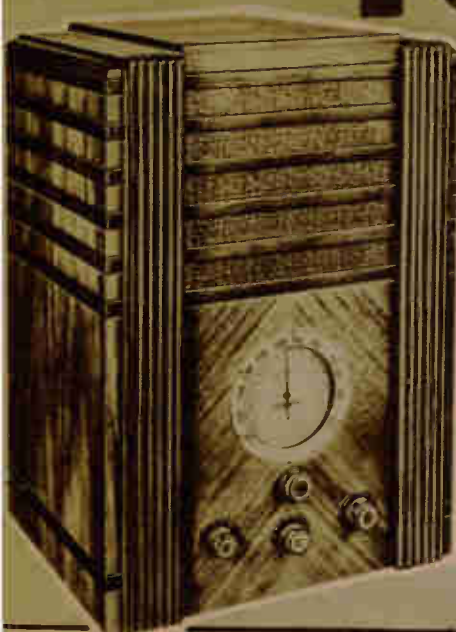
4 SETS in ONE... The ENTIRE WORLD of RADIO

Lafayette

10 ALL-WAVE SUPER-HET

14 to 30 METERS  
30 to 75 METERS  
75 to 200 METERS  
200 to 550 METERS

WORLDWIDE RECEPTION Guaranteed!



EITHER the Lafayette 10 Tube All Wave Four Band Superheterodyne or the Five Band Superheterodyne is available in the two beautiful Cabinets pictured herewith.

The Mantel Cabinet is truly a masterpiece of the furniture craftsman's art. It exemplifies the artistic blending of rare hardwoods to create a cabinet that will please even the most fastidious person. Although modernistic in design, it is in no way "flashy", and will go well with any set of furniture you may have. The woods used are: selected straight grain American walnut, rich Claro walnut and a fine burl maple. The speaker opening is covered with a beautiful gold grille cloth, and the finished product presents a very pleasing appearance.

The Console Cabinet is of American hardwood with an instrument panel of matched butt walnut. Overlays of Birdseye Maple add an interesting bit of decoration.

THESE receivers are regularly equipped with a standard 10 inch dynamic speaker. But if desired the Console model and the chassis may be obtained with a special 14 inch photophone type speaker. This speaker is not available in the Mantel Model since it will not fit inside the cabinet. Add \$7.50 to prices quoted if 14 inch speaker is desired.



LAFAYETTE ALL WAVE SUPERHETERODYNE  
Four Band - 14 to 550 Meters

Model F-60—Lafayette 10 Tube All Wave Superheterodyne Receiver in the Mantel Cabinet illustrated at the left. Complete with 10 inch speaker and tubes. Dimensions: 21 1/4" high, 12" deep, 15" wide. For 105 to 120 volt, 50-60 cycle operation. Shpg. wt., 60 lbs. Code Gayre. **\$59.75**  
List Price \$119.50. Your Cost

Model F-61—Same as above except for 200-240 volts, 25-60 cycles AC. Shpg. wt., 65 lbs. Code Ginza. **\$62.25**  
List Price \$124.50. Your Cost

Model F-62—Chassis only, with matched 10 inch dynamic speaker and tubes. For 105-120 volts, 50-60 cycle AC. Dimensions: 13 1/2" wide, 10" deep, 9" high. Shpg. wt., 38 lbs. Code Gefre. List Price \$104.50. **\$52.25**  
Your Cost

Model F-63—Same as above except for 200-240 volts, 25-60 cycles AC. Shpg. wt., 43 lbs. Code Galic. List Price \$109.50. Your Cost **\$54.75**

Model F-74—Lafayette 10 Tube Four Band All Wave Superheterodyne in the attractive Console Cabinet illustrated in the lower left hand corner of this page. Dimensions of cabinet are 37" high, 20 1/2" wide and 11 1/4" deep. Complete with tubes. For operation on 105-115 volts, 50-60 cycle AC. Shpg. wt., 145 lbs. Code Entam. List Price \$132.90. **\$66.45**  
Your Cost

Model F-75—Same as above, for 200-240 volts, 25-60 cycle AC. Code Emris. List Price \$137.90. **\$68.95**  
Your Cost

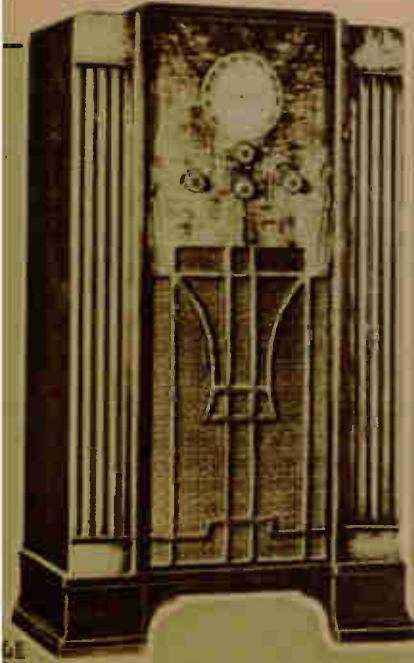
LAFAYETTE ALL WAVE SUPERHETERODYNE  
Five Band - 14 to 2000 Meters

Model F-58—Lafayette 10 Tube Five Band All Wave Superheterodyne Chassis ONLY, with matched 10 inch dynamic speaker and tubes. For 110-220-240 volts, 25-60 cycle AC operation. Dimensions: 13 1/2" wide, 10" deep, 9" high. Shpg. wt., 42 lbs. Code Gonga. List Price \$115.50. **\$57.75**  
Your Cost

Model F-59—Lafayette 10 Tube Five Band All Wave Superheterodyne Receiver in Mantel Cabinet illustrated at top of page. Complete with 10 inch speaker and tubes. Dimensions: 21 1/4" high, 12" deep, 15" wide. For 110-220-240 volts, 25-60 cycle AC. Shpg. wt., 64 lbs. Code Goyer. List Price \$129.50. **\$64.75**  
Your Cost

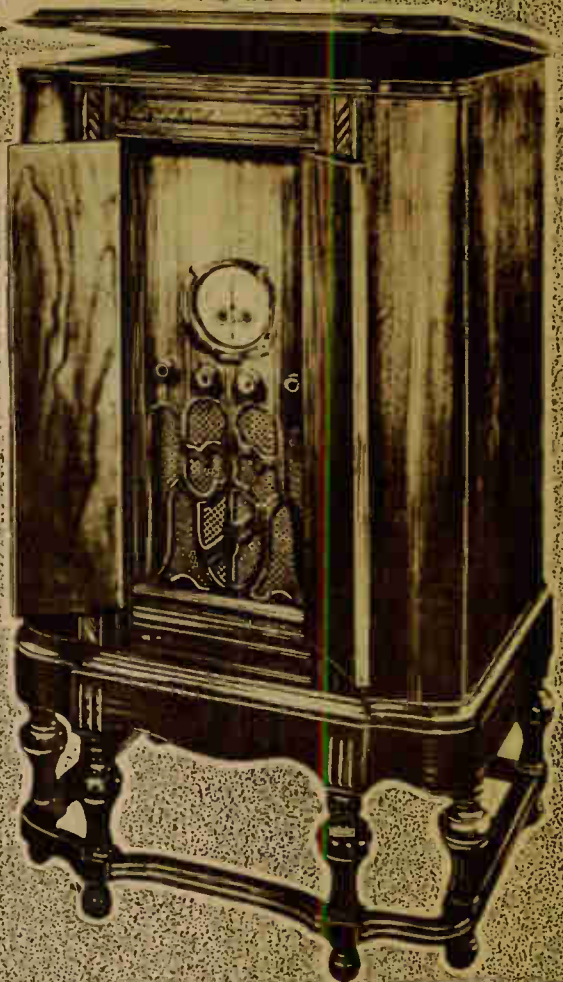
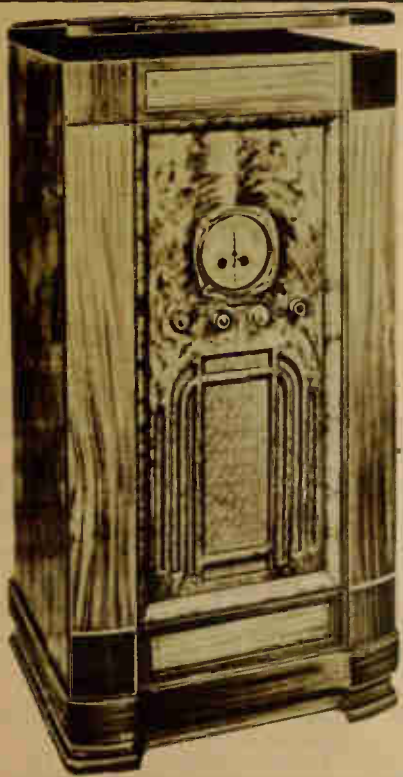
Model F-76—Lafayette 10 Tube Five Band All Wave Superheterodyne Receiver in Console Cabinet as illustrated at the left. Dimensions: 37" high, 20 1/2" wide and 11 1/4" deep. Complete with tubes. For operation on 110-220-240 volts, 25-60 cycle AC. Shpg. wt., 146 lbs. Code Emors. List Price \$143.90. **\$71.95**  
Your Cost

SPECIFY VOLTAGE CONNECTION REQUIRED





# Everything of MUSIC! in the WORLD



**A** PHONO-RADIO Console Cabinet with a striped walnut front panel flanked by a pair of straight grained walnut side panels, figured walnut top with ebonized edge, American hardwood sides, and ebonized base. Modified modernistic design of the cabinet is particularly pleasing to the eye.

The phono motor is of the two speed type and will play either the regular 78 or the slow speed 33 1/3 r.p.m. records. A special Lafayette's pickup assures the finest quality reproduction. This model is available with several different radio receiver chassis as per the listing below.

**Model B-70-Lafayette 7 Tube Long and Short Wave Receiver in Phono-Radio Console described above.** (Receiver described on pages 8-9). Two speed motor and pick up. Cabinet dimensions: 40"x21"x16". For 110-125 V. 60 cycle A.C. Complete with tubes. Shpg. wt., 156 lbs. Code Kamir. List Price \$145.00. **\$72.50**

Your Cash.....  
Available for 220 volts at.....\$4.00 additional

### LAFAYETTE 10 TUBE ALL-WAVE RECEIVER

**Model F-72-Lafayette 10 Tube All-Wave Receiver in Phono-Radio Console described above.** (Receiver described on page 13.) Two speed motor and pickup. Dimensions as above. For 110 V. 60 cycle A.C. Complete with tubes. Shpg. wt., 156 lbs. Code Dalas. List Price \$189.00. **\$94.50**

Your Cash.....

**Model F-73-Same as above but European Model with extra 850 to 2000 meter band. Receiver described on page 13. Code Duron. List \$199.00. - \$99.50**

Your Cash.....  
Available for 220 volts at.....\$4.00 additional  
Special 14 inch Speaker available for 10 Tube All-Wave Model at \$7.50 additional.

**B**EAUTIFUL Phano-Radio Console with striped, reverse diamond matched, walnut doors, figured walnut sides, carpathian elm and snakewood trimmings. Satin rubbed finish. Capehart Automatic Record Changer plays ten 10 inch or 12 inch 78 or 33 1/3 r.p.m. records. Last record repeats until turned off. Any record may be rejected or repeated at will. Radio Receiver as per listing below.

**Model B-67-Lafayette 12 Tube Long and Short Wave Superheterodyne Receiver as described on pages 16 to 17 in special Phono-Radio De Luxe Console pictured above with CAPEHART RECORD CHANGER.** Complete with speaker and tubes. For 105-120 V. 60 cycles A.C. Dimensions' 46 1/2" high, 28" wide, 19 1/2" deep. Shpg. wt., 210 lbs. Code Ponte. List Price \$309.00. **\$154.50**

Your Cash.....

**Model F-70-Lafayette 10 Tube All-Wave Superheterodyne Receiver (as described on pages 12 to 14) in same cabinet and with CAPEHART RECORD CHANGER as described above.** For operation on 105-120 V. 60 cycle A.C. Complete with tubes. Shpg. wt., 210 lbs. Code Poiré. List Price \$305.00. **\$152.50**

Your Cash.....

**Model F-71-Same as above but radio has additional European Band from 850 to 2000 meters. Code Condo. List \$316.00. **\$158.00****

Your Cash.....

With Special 14 inch Speaker available for 10 Tube All-Wave models at \$7.50 additional.

All the above receivers available for 200-240 volt operation at \$6.00 additional.

# Worldwide

## COMPARE These Features!

1. **COVERS TWO EXTENDED WAVELENGTH RANGES!** Tunes from 165 to 565 meters on one band and from 16.3 to 51.6 meters on second; takes in all important short wave stations.
2. **PRE-SELECTOR R.F. AMPLIFIER ON BOTH BANDS!** Gives high image ratio and eliminates annoying cross talk found in circuits not so equipped.
3. **SENSITIVITY OF 2 MICROVOLTS ABSOLUTE!** Gives set ability to pick up weak and distant stations from all parts of the world. Reception range is practically unlimited.
4. **FULL 10-KILOCYCLE SELECTIVITY!** Means that stations are separated cleanly and without interference, and also that tone quality is not affected by side band cutting.
5. **AMPLIFIED AUTOMATIC VOLUME CONTROL!** Eliminates blasting effects when tuning from weak to strong signals and assures steady volume of reception and easy tuning.
6. **CAREFUL AND THOROUGH SHIELDING!** Stabilizes circuit and prevents receiver itself from picking up undesired extraneous noises and interference.
7. **FULL RANGE TONE CONTROL!** Allows complete gradation of tone from low bass to brilliant highs, at the choice of the individual set owner.
8. **POWERFUL AUDIO AMPLIFIER SYSTEM!** 12 watts of audio energy gives big reservoir of power for dancing or outdoor parties; tone quality remains high at all volume levels.
9. **BIG 12-INCH DYNAMIC SPEAKER!** Magnificent tone quality is yours, at either "whisper" or "concert hall" volume.
10. **TWO RECTIFIER TUBES!** Separate rectifiers for plate and grid bias supply make audio amplifier perfectly stable and free from distortion.

### GUARANTEED FOREIGN RECEPTION!

**H**AVE you gotten the idea that direct foreign reception of short-wave broadcasting stations is irregular, inconsistent, undependable? That the short waves in general are something of a gamble? Well, they used to be, but not since Lafayette engineers began to build real short-wave sets. We now **GUARANTEE** foreign reception with the new Lafayette 12-Tube Custom Built DUAL-WAVE receiver! Think of it—foreign reception guaranteed in your home or your money back! If you have been hesitating to buy a new receiver because you weren't sure about the short-wave feature, you can now be confident that your money will be well spent.

Behind this guarantee is the reputation and character of Wholesale Radio, a reputation that has been firmly established in the thirteen years that we have been in business. The DUAL-WAVE receiver **MUST** be good to be backed up so strongly! It has passed every conceivable test with flying colors!

## Lafayette

# 12

**12** <sup>TUBE</sup> <sup>CUSTOM-BUILT</sup>  
**LONG and SHORT**  
**WAVE**  
**RECEIVER!**

\$ **54** <sup>50</sup>

**CHASSIS, TUBES  
AND SPEAKER**

**CUSTOM BUILT QUALITY AT A  
REASONABLE PRICE**

**B**ECAUSE of its great resources and purchasing power, and the ingenuity of its own laboratory engineers and designers, Lafayette is able to offer custom-built quality in the new 12-Tube DUAL-WAVE receiver at a reasonable price. The parts, workmanship and wiring all meet strict standards, and uniformly high quality is assured by the fact that 40% of all factory labor is devoted to testing. For you, the purchaser and user, this means long, uninterrupted service and satisfaction. You will be proud to show this beautiful instrument to your friends and to demonstrate its uncanny ability to "pull in" American, Canadian, Mexican, European, South African, Australian and Asiatic broadcasting stations.

### MARVELOUS EUROPEAN PROGRAMS

**W**ITH history in the making in Europe, this Lafayette DUAL-WAVE set keeps you in direct touch with all the important capitals of the Old World. You get first-hand news **DIRECTLY** from such reliable short-wave stations as London, which has eight transmitters in a world-wide service, Berlin, Paris, Rome, Vienna, Madrid and Moscow. Think of the thrill of hearing the voices of the world's famous men, men whose voices and personalities change the destiny of the world, whose names blaze across the newspaper headlines every day. This is no empty promise, for the short wave bands are filled with important talks every day of the week. Sometimes you hear important news before the papers get it. When local programs bore you, flip the wave-changing switch of your Lafayette DUAL-WAVE and stations from all over the world will entertain and amaze you. No technical skill is required; you just turn the dial and there are the stations!



The **LARGEST RADIO MAIL ORDER HOUSE** in the WORLD

# RECEPTION Guaranteed!

**CUSTOM-  
BUILT**  
To Last a Lifetime!

## LIKE DRIVING A BIG CAR

If you are accustomed to smaller sets, operating the Lafayette 12-Tube DUAL-WAVE receiver will be a new sensation. Handling the knobs that control the 12 tubes in the super-sensitive circuit gives you the feeling that you have a really powerful instrument in front of you. Have you ever driven an eight cylinder car after using a four for several years? The surge of power released by the accelerator was thrilling and the car leaped forward. You'll experience a similar sensation the first time you turn on the 12 tube de Luxe DUAL WAVE.

## LATEST TYPE TUBES ARE USED IN AN ADVANCED SUPERHETERODYNE CIRCUIT

The tube complement indicates the power of this unusual receiver: one 686 diode pentode in the second intermediate frequency amplifier stage; three 6D6's, one as R.F. amplifier (functioning on the short-wave band as well as on the broadcast band), another as first detector and the third as first I.F. amplifier; three 76's, one as oscillator, one as automatic volume control rectifier and second detector and the last as A.V.C. amplifier; three 42's, one as audio driver and the other two in the modified class B output stage, with an output of 12 watts; and two 80 rectifiers, for plate and grid bias supply. The latter little refinement contributes greatly to the smooth operation of the superlative circuit.

## ALL STATIONS CLEANLY SEPARATED

So great is the sensitivity that any signal of greater strength than the prevailing noise level will be brought in with loud speaker volume. The selectivity has been adjusted to meet the sensitivity, and the set not only brings in the stations, but separates them cleanly as well. You can thus pick and choose programs, and enjoy the little stations as well as the big ones.

## TRIPLE INDICATOR AIRPLANE DIAL

THE full vision airplane type dial furnished with the 12-Tube DUAL-WAVE is self explanatory to every member of the family. The scale is calibrated in kilocycles on both the regular and short wave bands, making stations easy to find. Individual little scales register the settings of the tone and volume controls, so the operator knows at a glance just how the entire receiver is adjusted. The control mechanism of the tuning condenser is geared 20 to 1. This permits very fine tuning without at the same time making the user turn the knob too much. Particular attention has been paid to this vernier control, to make operation of the receiver easy and comfortable. The entire dial is evenly illuminated.

## TRANSFORMER HAS WIDE VOLTAGE RANGE

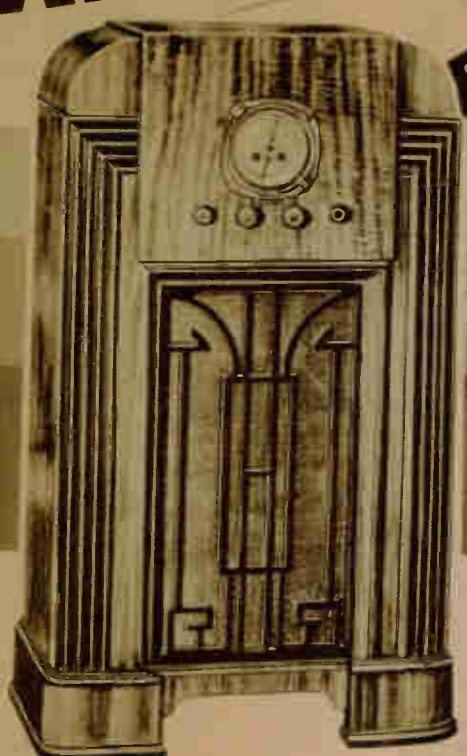
The power consumption of the entire receiver is 110 watts. The power transformer will function on any line voltage between 95 and 130 volts without adjustment, and will run cool for long periods.

All the parts are generously oversize and were selected by Lafayette engineers after thorough and painstaking tests. Outside of occasional tube replacement, this receiver will cost practically nothing for service.

FOR PRICES ON Lafayette 12 TUBE SETS SEE FOLLOWING PAGE

# Worldwide RECEPTION Guaranteed

**12 Tube CUSTOM-BUILT Lafayette LONG & SHORT WAVE RECEIVER**



**\$69.50 WITH TUBES**

**\$99.50 WITH TUBES**

For a complete detailed description of the Lafayette 12 Tube Long and Short Wave Receiver refer to the two pages immediately preceding this one.



**N**EITHER words nor picture can do real justice to the outstanding beauty of this new Lafayette 12 Tube Console. It is impossible to record on photographic film the various lights and shadows of the beautifully grained woods. One feels instinctively that here is no rushed production job but rather a careful painstakingly designed bit of furniture fashioned by master craftsmen out of rare fine woods.

The most carefully selected sliced walnut is used in its construction with a dial panel of figured California walnut. The fluted side pilaster frame has been antiqued and together with the ebony black grill and base trimmings furnishes an enhancing yet conservative bit of decoration. A triple coat of lacquer is hand rubbed to a particularly handsome finish.

**Model B-72—Lafayette 12 Tube Long and Short Wave Receiver Chassis ONLY, complete with 12 inch speaker and tubes. For 110-120 volts 60 cycle AC. Dimensions: 18 1/4" by 11" by 8 1/4". Shpg. wt., 48 lbs. Code Emple. List price \$109.00. Your Cost **\$54.50****

**Model B-73—Lafayette 12 Tube Long and Short Wave Receiver in the Lafayette Console pictured and described above. Complete with tubes. For 110-120 volts, 60 cycle AC. Dimensions: 38 1/2" by 23" by 12". Shpg. wt., 135 lbs. Code Empom. List price \$139.00. Your Cost **\$69.50****

Either of the above models are available for 220 volt operation at \$3.75 additional.

**Model B-74—Lafayette 12 Tube Long and Short Wave Receiver in the Lafayette Phono-Radio Console pictured and described at the right. Complete with Speaker, Two Speed Motor and Pickup, and Tubes. For 110-120 volt, 60 cycle AC. operation. Dimensions: 40" by 21" by 16". Shpg. wt., 170 lbs. Code Emses. List price \$199.00. Your Cost **\$99.50****

Phono-Radio Combination available for 220 volts at \$5.00 additional. Any of the above Lafayette 12 Tube Long and Short Wave Receivers are available with 14" dynamic speakers at \$7.50 additional.

**T**HE Lafayette 12 Tube Long and Short Wave Phono-Radio Combination illustrated above provides complete entertainment facilities for the home. In addition to all of the interesting programs that are broadcast over the air—you have at your command any particular selection that you may wish to hear—either by living artists or by such great artists as Caruso whose wonderful voice has been recorded for posterity.

The cabinet has a striped walnut front flanked by straight grained walnut panels with genuine inlaid striping. The top is of beautifully figured walnut with an ebonized edge. Sides are of American hardwood and base is ebonized.

It is equipped with a two speed motor and pickup that will reproduce either regular 78 r.p.m. speed records or the slow 33 1/3 r.p.m. recordings. A separate volume control for the pickup is provided as well as a variable speed regulator for the motor. Chongover from 78 to 33 1/3 r.p.m. is quickly and easily accomplished.

# BATTERY SETS for FARMERS!



## Lafayette TUBE **10** ALL-WAVE BATTERY SUPER-HET

**\$44.75**  
WITH TUBES

★ R.F. AMPLIFICATION ON ALL BANDS

FARMERS, LUMBERMEN, RANCHERS and other people who live away from electric lines have been badly neglected in the past by radio set manufacturers. Not so any more! Lafayette engineers, after a careful survey of farm, ranch and camp requirements, have developed a new line of economical all battery operated receivers that are fully the equal of the A.C. models used by city folks. Here are sets that work well—are attractive in appearance—and that remain trouble-free. Forget past troubles with makeshift sets and short-lived batteries! Enjoy real reception with any one of these new Lafayette achievements.

### The Adventurer

The new Lafayette Adventurer heads the line of the new battery models. This is a truly sensational 10 tube All-Wave receiver covering ALL bands between 15 and 560 meters. This range is divided up into four bands as follows; one from 180 to 560 meters which takes in all the American broadcasting stations and many police stations, the second from 71 to 187 meters includes police calls, amateur, airport and aircraft stations, the third from 30 to 71 meters is of particular interest since this includes the band that is used for the foreign short wave broadcasts in the evening, the fourth is of equal interest since this is the band used for foreign short wave broadcasts during the daytime.

Ten tubes in a superheterodyne circuit assure you of real performance. One type 34 tube is used as a radio frequency amplifier ahead of the first detector, a type 1C6 as combined modulator and oscillator, two type 34's as I.F. amplifiers, one type 30 as second detector—automatic volume control tube, and four type 30's in the audio system of which two are in a class "B" output stage, final tube is a voltage regulator. The use of a class "B" output stage provides a high output with minimum battery current consumption.

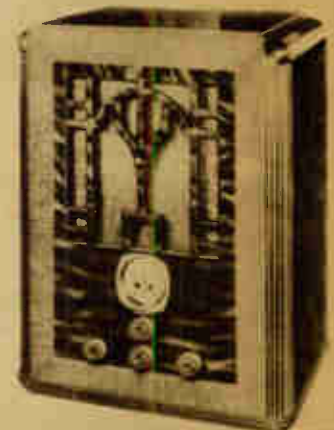
With a 1½ watt push-pull audio system and an 8 inch motor magnetic speaker, the tone quality of the Adventurer will satisfy the most discriminating tastes. The full range tone control allows complete gradation of tone from low bass to brilliant high. An airplane type dial with a 20 to 1 ratio makes tuning a simple matter. Battery current consumption is extremely low being only .6 amp., for the "A" and 25 Ma. for the "B."

Model F-55 Lafayette 10 Tube Adventurer Chassis with tubes and speaker, but less batteries. Dimensions 15½" x 9¾" x 10". Shpg. wt. 31 lbs. Code Confi. Your Cost. **\$39.75**

Model F-56 Lafayette Adventurer in Mantle Cabinet with tubes but less batteries. Dimensions: 18¾" high, 15½" wide and 10" deep. Shpg. wt., 45 lbs. Code Conse. **\$44.75**  
Your Cost.....

Model F-57 Lafayette Adventurer in Console Cabinet with tubes but less batteries. Dimensions: 36" high, 20½" wide and 11½" deep. Shpg. wt., 85 lbs. Code Conti. **\$52.95**  
Your Cost.....

Complete set of Burgess Batteries and Eveready Air-Cell. Shpg. wt., 85 lbs. **\$10.40**



## **\$22.95** WITH TUBES Lafayette 5 tube BATTERY SUPER-HET

### Economy and Effectiveness Combined in This New Battery Receiver

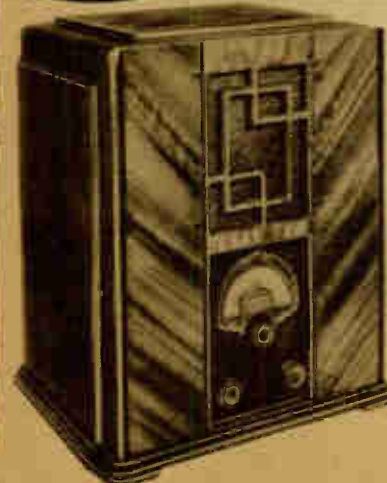
Five tubes in an advanced super-heterodyne circuit give the new Lafayette 5 tube Battery Receiver the two most important features a receiver for farm use should have—economy and great sensitivity. The total filament drain is only ½ ampere and the "B" battery drain only 13 milliamperes! A special three point switch is provided to disconnect all batteries when the set is not in use. The ability of the set to pick up weak or distant stations is rated at 10 microvolts per meter, which means in ordinary language that it will furnish plenty of entertainment in the remotest locations.

### Dual Tube in Class "B" Stage

The tube layout is as follows; one type 30, one 32, two 34's, and one 19. The 19 which is really two tubes in one, operates as a complete Class B output stage, with an output of 1.2 watts. The 8 inch motor magnetic speaker assures a high quality of reproduction. The tuning range of the receiver is from 190 to 565 meters. A three-gang tuning condenser is used, one section of which is used for tuning the pre-selector circuit. Selectivity is excellent providing ample 10 KC. separation of stations. A full vision tuning dial makes the accurate logging of stations a simple matter.

Model B-61 Lafayette 5 Tube Battery Operated Superheterodyne, complete with tubes and speaker but less batteries. Dimensions 14x16x10¼ inches. Shpg. wt. 30 lbs. **\$22.95**  
Code Consa. List Price \$45.90. Your Cost.....

Complete set of Ben Hur Batteries and a Burgess "A" Pack for the above receiver. Shpg. wt., 50 lbs. Your Cost. **\$5.25**



The **LARGEST** MAIL ORDER HOUSE in the **WORLD**

**\$32<sup>50</sup>**  
WITH TUBES

# Lafayette FOR USE IN



### HANDSOME MODERN CABINET

THE receiver is housed in a particularly handsome cabinet of modified modernistic design that will add grace and dignity to the furnishings of any room. The highly polished finish greatly enhances the attractiveness of the beautifully grained woods. Model AM-40 Lafayette 6-tube All-Wave AC-DC Superhet, complete with tubes and speaker. Cabinet dimensions 12"x14½"x6½" deep. For 110 Volts DC or AC 40-60 cycles. Shpg. wt. 25 lbs. Code Calle.

List Price \$65.00.  
Your Cost **\$32.50**  
220 Volt model also available at \$1.25 extra

## 6 tube Lafayette ALL-WAVE A.C.-D.C. SUPER-HET!

- ★ Long, Medium and Short-Wave Coverage—5 Distinct Bands 15 to 25, 25 to 75, 75 to 200, 200 to 550 and 800 to 2000 meters
- ★ Six tubes do the work of eight in a superhet circuit.
- ★ High order of selectivity to meet European conditions.

PEOPLE who live in Europe understand the need in a radio receiver for a long wave (low frequency) band, but residents of other countries, who prefer to take or send sets to the Continent, do not generally appreciate its importance. Broadcasting in Europe is done not only between 200 and 550 meters but also between about 800 and 2000 meters, and a receiver that does not tune to these waves is missing some of the best stations.

To meet this condition, Lafayette engineers have designed the 6-tube All-Wave AC-DC All-Wave superheterodyne. It tunes continuously from 23 KC. to 540 KC. (13 to 555 meters) taking in all the short-wave and medium wave broadcasting stations, and also from 350 to 136 KC. (857 to 2200 meters), which covers the highly important long wave stations.

The AC-DC feature is valuable in Europe, because there is no standardization of power current there. The superheterodyne circuit, with its inherent high selectivity, is just what is needed to separate the tangled mass of high power European broadcasters. The sensitivity is also of a high order, thereby being capable of excellent long distance reception on the regular broadcast band, to say nothing of world-wide reception on the short wave channels.

### USES LATEST TUBES IN MODERN CIRCUIT

Using the latest tubes in a modern circuit, the 6-tube All-Wave Superhet is unquestionably superior to anything previously offered of a similar type. The six tubes do the work of eight, which accounts for the set's great power. The tube line-up is as follows: 6A7 oscillator-modulator; 78 first I.F., 78 second I.F., 75 second detector—A.V.C. tube, 43 output tube and 25Z5 rectifier. Airplane type dial makes tuning easy. Dynamic speaker, 6½ inches in diameter, gives beautifully clear and rounded tone.

## Lafayette 6 tube TRIO-WAVE! AC SUPER-HET!

**\$32<sup>95</sup>**  
WITH TUBES

- ★ THREE POPULAR TUNING BANDS  
18 to 50, 200 to 550, 820 to 2200 Meters

### SPECIALLY DESIGNED FOR EUROPEAN USE!

THE tremendous demand for, and the consequent quantity production of receivers especially designed for European use, have enabled us to offer this trio-wave receiver, with all of the features our overseas friends and customers have demanded, at a price that is truly unprecedented in the annals of the radio business!

### THREE POPULAR TUNING BANDS

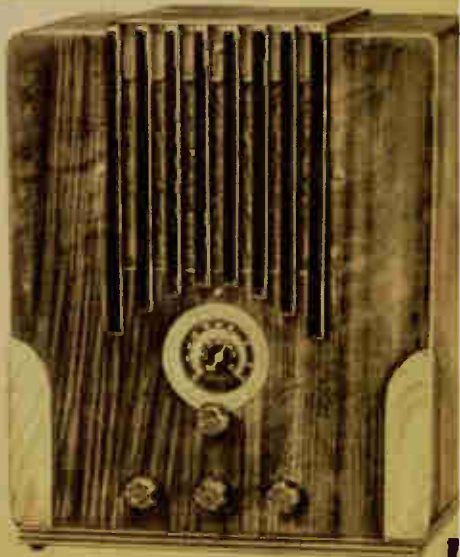
The three popular and most used bands are available at the turn of a switch—the short wave band from 18 to 50 meters—the American Broadcast band from 200 to 550 meters—and the European Long Wave band from 800 to 2200 meters. All bands have individually calibrated scales on the full vision airplane type dial.

### SIX TUBE SUPER-HETERODYNE CIRCUIT WITH AUTOMATIC VOLUME CONTROL

The six-tube super-heterodyne circuit makes use of the following new and improved tubes; 1-78 as first detector, 1-76 as oscillator, 1-78 as intermediate frequency amplifier, 1-75 as second detector-automatic volume control tube—and first audio amplifier, 1-42 as power output tube and 1-80 as rectifier. Selectivity and sensitivity are unusually fine. Power output is 3 watts—more than sufficient for dancing purposes. A continuously variable tone control permits modification of the tone to suit individual preferences.

Model AM-36—Lafayette Trio-Wave 6 Tube Super-het complete with tubes. For 110 volt. 60 cycle operation. Dimensions: 14x17x8".

Shpg. wt. 25 lbs. Code Recan.  
Your Cost **\$32.95**  
Model AM-37—For 220 volts. Code Retis. Your Cost **\$34.95**



# RADIOS EUROPE!

**\$24<sup>95</sup>**  
WITH TUBES

## 6 Lafayette "COURIER" 6 tube A.C.-D.C. SUPER-HET!

THE European Model Lafayette Courier has an additional wave-length range between 850 and 2000 meters besides the regular broadcast band from 190 to 550 meters.

The Superheterodyne circuit employed in the Courier uses one 77 tube as first detector, one 77 as oscillator, one 78 as I.F. amplifier, one 77 as second detector, one 43 as power output tube and one 25Z5 as rectifier. Output is approximately one watt. Dimensions: 8 $\frac{3}{4}$ "x14 $\frac{1}{4}$ "x7 $\frac{1}{2}$ ". Shpg. wt., 18 lbs.

Model A-19—European Model Lafayette Courier complete with tubes. For 110 V. D.C. or A.C. 60 cycle operation. Code Talto. **\$24.95**  
List \$49.90. Your Cost

Model A-14—Same but for Broadcasting only 190-550 Meters. Tubes used 6A7, 2-78's, 1-75, 1-43, 1-25Z5. Code Canto. **\$23.45**  
Your Cost



Available for 220 volts.....\$1.00 additional



## 5 Lafayette "TOURIST" 5 tube A.C.-D.C. SUPER-HET!

SPECIAL EUROPEAN MODEL—187.5-550 AND 850-2000 METERS

THE Lafayette Tourist 5 Tube AC-DC Superheterodyne is also available in a European Model as pictured here. This model is identical in all respects to the TOURIST model listed and described on page 4 of this catalog but includes an additional wave-length range covering the band from 850 to 2000 meters. For a complete technical description of this marvelous receiver refer to the page mentioned above.

Model C-56—Lafayette Tourist—European Model, complete with tubes. For 110 V. D.C. or A.C. 60 cycle operation. Shpg. wt., 18 lbs. Code Guaya. **\$17.95**  
List \$35.90. Your Cost

## 5 Lafayette "NEW DEAL" 5 tube A.C.-D.C. SUPER-HET!

AMERICAN BAND 200 TO 550 METERS, PLUS  
EUROPEAN BAND FROM 850 TO 2000 METERS

THE popular Lafayette New Deal 5 Tube A.C.-D.C. Superheterodyne is also available in a European Model. This model has all of the features of the standard model listed and described on page 4 of this catalog. The only difference being an additional tuning range covering the band from 850 to 2000 meters. For a detailed description of this excellent receiver refer to the page mentioned above.

Model AM-25—European Model Lafayette New Deal 5 Tube Superheterodyne complete with tubes. For operation on 110 V. D.C. or A.C. 60 cycles. **\$21.95**  
Shpg. wt., 12 lbs. Code Cabby. List \$43.90. Your Cost

220 Volt Model also available at.....\$1.00 additional



## Lafayette 10 TUBE CUSTOM-BUILT ALL-WAVE! SUPER-HET

FOR use in foreign countries, the Lafayette 10 Tube All-Wave Superhet is also available as illustrated here with five bands. These cover from 14 to 30, 30 to 75, 75 to 200, 200 to 550, and the European long wave band from 850 to 2000 meters.

Covering such a complete range of wave-lengths this receiver brings the whole world of radio to the finger-tips of its owner. Using the same tubes as the four band receiver it also includes all the features of this model.

For a complete description of this receiver refer to pages 12 and 13 of this catalog.

Model F-58—Lafayette 10 Tube All-Wave Receiver in Mantel Cabinet as illustrated, complete with tubes. Dim. 21 $\frac{1}{4}$ "x15"x12". For 110-220-240 V. 25-60 cycle A.C. Shpg. wt., 43 lbs. Code Goyer. List Price \$129.50 **\$64.75**  
Your Cost

Model F-59—Chassis only, with speaker and tubes. No Cabinet. Code Gongga.

List Price **\$57.75**  
Your Cost

# Music while U ride!



## Lafayette 6 tube SUPER-HET AUTO RADIO for only \$23.95!

**EXCEPTIONALLY SENSITIVE AND SELECTIVE**

Six tuned circuits (not including the oscillator tuning) make this one of the most selective auto radio sets ever built. And through the use of high gain coils in the RF and IF stages together with the new high gain tubes a remarkable degree of sensitivity has been obtained. This assures satisfactory reception on practically any type of auto aerial in use to-day.

The automatic volume control system used in the receiver is positive and quick acting and minimizes fading due to passing under bridges, between steel buildings, under elevated structures, etc. It makes unnecessary the constant adjustment of the manual volume control when passing from a strong signal area to a weak one.

### SINGLE UNIT "QUICK SERVICE" CONSTRUCTION

One of the outstanding features of this remarkable receiver is the single unit construction that permits the removal of the entire chassis for service merely by loosening four wing nuts! The housing of the receiver is fastened permanently to the car chassis and need not be removed at any time. The entire receiver chassis is constructed along the lines of an ordinary home type radio—everything is accessible—no trick hodge-podge construction that is difficult to service. Remote control is of the new indirectly lighted airplane type and is equipped with a key to lock the receiver off and prevent unauthorized use. Receiver housing finished in modernistic silver and black.

Model AM-20—Lafayette "SIX" Auto Radio complete with Suppressor Kit for six cylinder car, Airplane type Remote Control, two foot remote control cables, and Kit of matched tubes. Dimensions: 10½" long, 7½" deep, 6¾" high. Shpg. wt., 25 lbs. Code Bosun. List \$39.95. **Your Cost—Special \$23.95**



THINK of it . . . a six tube Super-Het Auto Radio using the latest type tubes and with all of the latest features such as: AIRPLANE TYPE DIAL . . . AUTOMATIC VOLUME CONTROL . . . SINGLE UNIT "QUICK SERVICE" CONSTRUCTION . . . Etc., for only \$23.95!

At this price you can sell this set to everyone wanting an Auto Radio. You can compete with a NEW model, at a price as

low and lower than most of LAST YEAR'S models that are being sold at this time of year by your competitors at so-called bargain prices.

Six tubes are used in the highly efficient Super-Heterodyne circuit employed in this new Lafayette Auto Radio. A type 78 vario-mu tube is used in a stage of tuned radio frequency amplification, a type 77 is used in a combined oscillator-modulator stage, a type 78 is used in an intermediate frequency amplifier stage followed by a type 75 duo-diode-triode used as second detector which is in turn followed by a type 41 power output tube having an output of three watts! A new type 6Z4 rectifier tube is used in the B supply.

## New! Better! Lafayette "DASH-BOARD MOUNT" AUTO RADIO!

AT LAST a refreshingly new idea in auto radios. A particularly handsome dashboard or roof mounted receiver that is extremely simple and unusually sturdy in construction.

Just mount the receiver wherever you prefer—it is equally adaptable for mounting to the dashboard—to the back of the rear seat—or to the roof. Installation requires but a few minutes and for service the entire receiver can be removed from the car merely by loosening two screws.

### HIGH SENSITIVITY ASSURES GOOD RECEPTION

With a sensitivity of one microvolt absolute (per four meters) the Lafayette 5 tube Superhet is superior to many home receivers in its ability to pick up stations. On any road that an automobile can travel you will always have plenty of radio entertainment. The full range automatic volume control holds the signals steady as you go over hills or down valleys and prevents blasting in the loud speaker as you tune from one station to another. The airplane type dial is particularly easy to read.

### NEW TYPE TUBES — LOW CURRENT DRAIN

Five of the latest type tubes are used as follows: one 6D6 as R.F. Amplifier, one 6C6 as Oscillator-Modulator, one 6D6 as I.F. Amplifier, one 75 as Second Detector, A.V.C. tube and first audio amplifier and one 41 as output tube. Plate current is supplied by a built-in unit using a new type double vibrator, which is exceptionally quiet and highly efficient in operation. A 5-inch dynamic speaker driven by the 1½ watt audio system, assures more than ample volume to override all car and traffic noises.

for only \$19.95



- ★ Single Unit Construction — Fits Anywhere.
- ★ One Microvolt Sensitivity.
- ★ Positive Automatic Volume Control.
- ★ Full Electro Dynamic Speaker.
- ★ No Rectifier — All Tubes Amplify.

Model B-62—Lafayette 5 Tube Superhet Auto Radio, complete with tubes, hardware and a set of suppressors for a six cylinder car. Dimensions: 12"x8"x4". Shpg. wt., 21 lbs. Code Covey. List price, \$39.90. **Your Cost... \$19.95**





# Lafayette CUSTOM-BUILT De Luxe SUPER-HET AUTO RADIO

**\$31.95**  
WITH TUBES

- ★ CUSTOM-BUILT!
- ★ NON-GLARE AEROPLANE TYPE REMOTE CONTROL
- ★ DUST PROOFED DYNAMIC SPEAKER
- ★ LONG RANGE A.V.C.
- ★ FULL RANGE TONE CONTROL
- ★ RATTLE PROOF CONSTRUCTION

## MAXIMUM PRACTICAL SENSITIVITY AND SELECTIVITY

WHILE the tubes used in the Lafayette "Road King" are practically the same as those used in other receivers the results obtained are so superior that there can be no comparison. The perfectly engineered circuit uses six tubes; 1-75, 1-77, 2-78's, 1-41, and 1-84. Sensitivity and selectivity, due to the use of a tuned radio frequency stage and a carefully selected intermediate frequency, are exceptionally fine. Sensitivity is rated at 1/2 microvolt per meter (2 microvolts (absolute) per 4 meters)!

## AUTOMATIC VOLUME CONTROL

The special long range automatic volume control makes unnecessary the constant adjustment of the manual control when passing between steel buildings, under bridges, etc., thus maintaining the volume at a constant level.

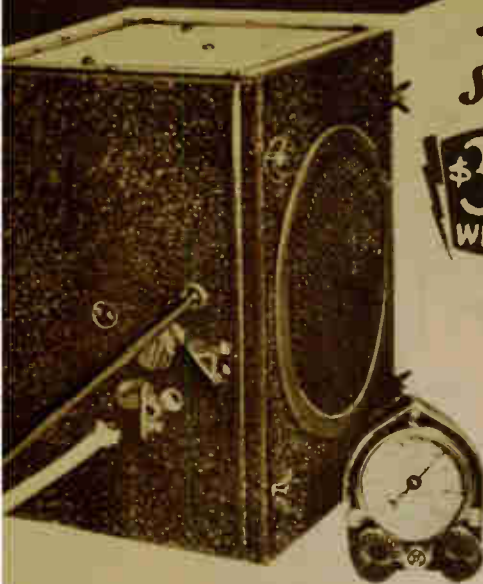
## NON-GLARE AEROPLANE REMOTE CONTROL

A new type of aeroplane remote control is equipped with an adjustable pilot light dimmer so that the brightness of the light can be regulated to prevent interference with driving vision at night. The large fully sensitized dynamic speaker (9 watts field excitation) is thoroughly dust-proofed to protect it against dust and grit. Construction of the receiver throughout is exceptionally rugged and rattle-proof. The receiver housing is finished in an attractive durable black crystallized lacquer. Dimensions: 10" x 6 3/8" x 7" deep.

Model L-30—Lafayette "Road King" Auto Radio complete with Suppressor Kit for six cylinder car, Airplane type Remote Control, two foot remote control cables, and Kit of Matched Tubes. Code Cabre. List \$52.50.

Your Cost .....

**\$31.95**



DE LUXE Custom-Built Receiver that is exceptionally quiet in operation. No doubt you have heard Auto that buzzed like a hive of bees when operated at volume—not this one—it is so quiet in operation that you can barely hear the vibrator even with your ear next to the receiver housing. A tremendous advantage when installed in a quiet closed car. Its mellow lifelike sound, and more than ample volume, that easily overrides the rush of the wind and the drone of the motor, is pleasant and easy to listen to. It is so simple to tune, and so easily controlled, that never for a moment need you take your hands off the road in order to change from one station to another. The automatic volume control keeps all of them at a constant level.

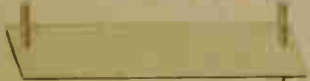
### HERCULES METAL CAR ANTENNA



Two-piece all metal adjustable antenna. 10" wide. Length variable from 3 to 4 ft. Equipped with 2 springs. Rainproof insulation. Shpg. wt. 5 lbs.

Y22043. Your Cost, Each ..... **\$1.15**

### ONE PIECE AERIAL



Made of one piece of heavy metal, and fully plated. Comes complete with springs, rubber grommets and all necessary hardware. Size 8x35" Shpg. wt. 5 lbs.

Y22047. Your Cost, Each ..... **98¢**

### DX AUTO AERIAL



One aerial is mounted under each running board and a wire laced between them through special nooks provided. May be used singly if desired. Shpg. wt. 8 lbs.

Y22041—Single Unit Aerial. **\$1.25**

Y22042—Two Units for Aerial (Illustrated). Your Cost ..... **\$2.40**

### WARD MOULDED RUBBER DE LUXE CAR ANTENNA



Something radically new in the line of auto aerials. Of one piece moulded rubber, 100% moisture and weatherproof. Provided with "Magic Pick-up" splash guard. Has 48" weatherproof lead-in wire. Two bolt mounting. Size 7x34". All accessories included. Shpg. wt. 5 lbs. KY22019.

Your Cost, Each ..... **\$1.65**

### AXLTENNA



This aerial is made of copper wire, moulded in a very strong piece of rubber. Ties to front and rear axles of the car, springs take up the slack. Shpg. wt. 3 lbs. XR1748.

Your Cost, Each ..... **98¢**

### ROOF ANTENNAS



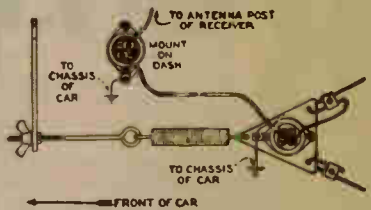
Easily inserted by opening the roof lining about a foot and sliding in the antenna.

Provides extremely good pick-up. Two sizes available. Shpg. wt. 3 lbs.

YX22020 12x27" ..... **65¢**

YX22021 12x35" ..... **75¢**

### LYNCH "NOISE-FREE" AUTO ANTENNA SYSTEMS



The most highly efficient antennas available. Come in three different kits: Kit A-1, for the new installation; Kit A-2, for the existing installation; Kit A-3, complete antenna system.

#### KIT A-1

Contains 25 ft. Lynch "Hi-Mho" Antenna Wire, two rear axle insulator assemblies, one flywheel housing insulator assembly, all necessary connectors and 10 ft. of lead-in wire. Instructions enclosed. Shpg. wt. 4 lbs.

YN14191 List, \$3.50. Your Cost, Each ..... **\$2.05**

#### KIT A-2

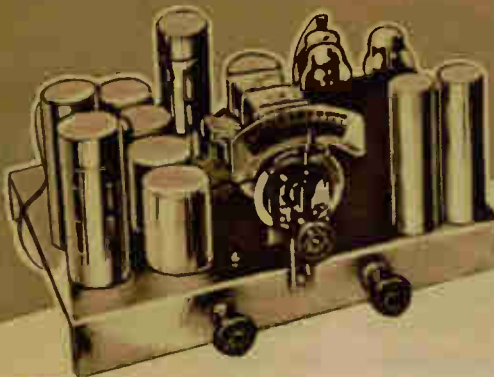
Contains 1-Lynch auto antenna impedance matching transformer, 1 receiver impedance matching transformer and 10 ft. of Lynch Nostat shielded transmission line. Instructions included. Shpg. wt. 2 lbs.

YN14192 List, \$5.00. Your Cost, Each ..... **\$3.00**

#### KIT A-3

Complete system. Contains all parts in the both kits listed above. Full instructions included. Shpg. wt. 4 lbs.

YN14193 List, \$8.00. Your Cost ..... **\$4.70**



**\$17.75**  
KIT of PARTS

The **THRILL**  
of **BUILDING**  
**YOUR OWN**

with these  
**EASY**

# 7 tube SUPER-HET

**NOTE**

In addition to the complete Kits listed on these pages an assortment of Essential Coil Kits is listed on page 146.

The new ALL-STAR Kit will be found listed on page 41.

**A**FTER years of experimentation, Trutest engineers are offering a 7-tube receiver in kit form to the public. Seven-tube sets are usually "tricky", and Trutest did not want to announce such a receiver until it was perfect. NOW, IT IS PERFECT, AND WITHOUT A DOUBT IS THE FINEST 7-TUBE KIT AVAILABLE.

This advanced model of the now famous Trutest 7-tube Superheterodyne does justice to the foresight of Trutest engineers. They developed a circuit of the superheterodyne type which has all of the features of far more expensive sets, and which sells for a price that seemed "impossible" to other production engineers. This "impossibility" was realized, not by using inferior parts, but by so designing the circuit that a minimum of apparatus is required. The parts used in this superhet are the same high quality parts that are used in all other Trutest equipment.

The selectivity and sensitivity of this 7-tube superhet are remarkable—stations whisk in and out at every turn of the dial. The quality of reproduction is perfection itself, notwithstanding the hairline selectivity and sensitivity.

The latest tubes helped to make this "impossibility" possible. A 58 is used in the radio-frequency stage, a 56 as oscillator, a 58 as a first detector, a 58 in the intermediate-frequency stage, a 2A6 combination diode detector and audio amplifier, and a 2A5 in the output stage. Undistorted power output, 3 watts. Rectification is accomplished by means of a type 80 tube.

The automatic volume control used is very effective. By setting the manual volume control of a predetermined point, all stations will come in at the same volume without resetting the volume control. This is an A.V.C. system that really works.

Dimensions: 13" wide, 10" deep, and 7" high. All parts well spaced to prevent excessive heating and consequent service calls. It is fully equipped with tone control and full-vision dial.

The Kit is shipped to you complete and ready to assemble with the chassis carefully drilled for all the parts and correctly bent into shape. The instructions and diagrams supplied are especially written so that practically anyone with even the slightest technical knowledge of radio can readily understand and follow them. Both schematic and pictorial wiring diagrams are included. A few hours work with a screw driver, a pair of pliers, knife and a soldering iron are all that is required.

- Kit of parts 7 tube Superhet—less tubes and speaker. **\$17.75**
- Shpg. wt., 30 lbs. Your Cost .....
- Special dynamic speaker ..... \$3.75
- Matched kit of Lafayette tubes ..... \$3.40
- Mantel cabinet ..... \$3.90

# 8 tube T.R.F. RECEIVER KIT

**\$14.95**  
KIT of PARTS

**T**HE Trutest **ADVANCED ECONOMY 8**, which was featured in recent issues of both "Radio News" and "Radio Craft" and was widely acclaimed by the readers of these national magazines, is without doubt one of the best broadcast

receiver kits available on the market today. It is a real, man-sized outfit, the formed metal chassis measuring 12" deep, 16½" wide and 7¼" high. The neat appearance and logical arrangement of the parts never fail to arouse favorable comment. Don't get the idea that the large size means that there are large empty spaces in the chassis. There are no midget parts in this receiver. Each component has been carefully designed to provide an ample safety factor, resulting in a finished unit that will give trouble free service.

For the service man or custom-set builder the **ADVANCED ECONOMY 8** is a sure-fire money maker. It can be assembled in a short period of time, the only tools necessary being pliers, screwdriver and soldering iron. During the present times of rising prices, this is one of the few sets that stand out as a remarkable buy of the price quoted. Installed in a console cabinet, along with a dynamic speaker, it attracts attention from people interested in high quality radio apparatus—people who have money to spend. A demonstration is enough to convince them that this is the set that gives complete radio enjoyment.

Only the finest of materials, all carefully selected and checked by our laboratory engineers, are used in this kit. The quality and workmanship of all parts and fittings are checked just as thoroughly as in the case of the complete factory built Lafayette receivers.

The reliable, time-tried T.R.F. circuit makes the **ADVANCED ECONOMY 8** a real performer, with sensitivity, selectivity and power much in excess of normal requirements. Three stages of r.f. using type 58 pentodes work into a type 57 detector; a 56 first audio and two 2A5's in the output stage and type 80 rectifier. The audio output is 7 watts. For general smoothness of operation this combination is unbeatable.

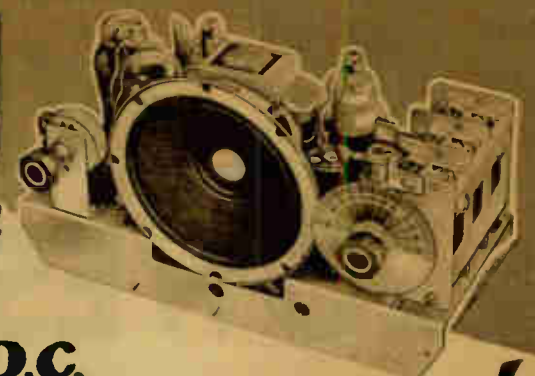


- Model Y22057—Trutest Economy 8 Tube Kit, less tubes and speaker. Shpg. wt., 28 lbs. Code Trute. List price \$35.00
  - Your Cost ..... **\$14.95**
  - Model Y22058—Matched 10" Dynamic Speaker. Shpg. wt., 10 lbs. Your Cost ..... \$3.50
  - Model Y22059—Kit of 8 matched tubes. Shpg. wt., 7 lbs. Your Cost ..... \$4.00
- The Kit is shipped complete with all necessary instructions and diagrams for easy, quick assembly.

# RECEIVER KITS

WIRE AND ASSEMBLE

**\$12.95**  
KIT of PARTS



**NOTICE!**  
All that is needed is a screwdriver, a pair of pliers, and a soldering iron. **THERE ARE NO "EXTRAS" TO BUY**—ALL KITS ARE ABSOLUTELY COMPLETE. All bolts, washers, nuts, instructions, etc., are included.

## 5 tube A.C.-D.C. SUPERHETERODYNE RECEIVER!

Detector. There is one 78 in the I.F. amplifier stage, and a powerful type 43 in the audio output stage. The rectifier is a 2525. The speaker supplied is a special 5 inch dynamic unit. The wavelength range of the receiver is 190-550 meters.

THE simple electrical circuit arrangement of universal AC-DC receivers makes the construction of this new Trutest 5 Tube AC-DC Superheterodyne Kit particularly easy. The strong aluminum sprayed steel chassis, measuring 10½ inches long, 4½ inches deep and 8½ inches high overall, holds the entire receiver, including a 5 inch dynamic speaker in the center. At the right end is a 3 gang tuning condenser with illuminated dial. Balancing this control on the left is a combined on-off switch and smooth action volume control. Although small in size, this receiver is a full grown superheterodyne, with a pre-selector stage ahead of the first detector.

One type 77 tube is used as composite first detector and oscillator, and another 77 as second diagram and full instructions eliminate any possibility of error. Model Y22014—Trutest 5 Tube AC-DC Kit, including speaker but less tubes. Shpg. wt., 12 lbs. Code Calte. **\$12.95**  
Your Cost.....  
Matched kit of Lafayette tubes..... **\$5.20**

## 6 tube A.C. LONG AND SHORT WAVE SUPER-HET!



**\$16.50**  
KIT of PARTS

SHORT-WAVE "DX" fans will especially appreciate the new Trutest 6 Tube "Skip Band" receiver kit, for it takes in not only the entire domestic broadcast band from 200 to 550 meters, but the important foreign channel from 17.6 to 50 meters as well. It is so easy to assemble and wire that even a novice can do the job and have the set work the first time he turns it on. The diagrams and instructions are very explicit and the parts fit perfectly on the chassis.

This is an all A.C. receiver, using the sturdy 6.3 volt series of tubes. The 6A7 is the first detector-oscillator, working into two I.F. stages employing 6D6's. A type 75 tube performs the multiple functions of second detector, automatic volume control tube and first audio amplifier, and feeds a type 42 output tube. The rectifier is an 80. With two I.F. stages and automatic volume control, the "Skip Band" receiver is a set that you will be proud to demonstrate as a product of your mechanical skill. A 6 inch dynamic speaker, whose field coil is part of the receiver's filter system, is supplied separately. Chassis measures 10¼"x6½"x7" high overall.

Model Y22012—Trutest 6 Tube "Skip Band" kit of parts, less tubes and speaker. Shpg. wt., 17 lbs. Code Leram. **\$16.50**  
Your Cost.....  
Special 6 inch dynamic speaker..... **\$3.45**  
Matched kit of Lafayette tubes..... **\$3.25**

## 5 tube Jr. DX'er SUPER-HET!

**\$12.95**  
KIT of PARTS

AN advanced superheterodyne broadcast receiver of such excellent design that its five tubes give the same results obtained from many six and seven tube sets. Needle sharp tuning is assured by the use of a three gang variable condenser and a stage of pre-selection ahead of the combined oscillator first detector stage employing a type 57 pentode; following is a stage of high gain I.F. frequency amplification using a 58 pentode, then a type 57 second detector, a 2A5 and finally an 80 rectifier. An undistorted output of three watts is obtained!

Kit is complete to the last detail including washers, soldering lugs, etc. Chassis is accurately drilled and formed, and all parts fit perfectly. You cannot go astray—full and detailed instructions are included. Any standard dynamic speaker with an 1800 ohm field can be used. Chassis dimensions are 10¼"x6½"x6" high. Shpg. wt., 19 lbs.

Model Jr. DX'er—Complete Kit less tubes and speaker. **\$12.95**  
Your Cost.....  
Model Jr. DX'er—Kit of 5 matched tubes. **\$2.55**  
Your Cost.....  
Matched Speaker— **\$2.95**  
Your Cost.....



★★★★  
FINAL

# EVERYTHING LOWEST WHOLE

## Here's How We Do It

★ We buy for cash and sell for cash! Our overhead does not include carrying charge accounts, and writing off bad debts. We take advantage of all cash discounts—effect every possible saving in the management of our business—and turn these savings over to our customers.

★ A thousand tiny profits instead of a hundred large ones! Because our sales are so large we can afford to work on a small profit basis. From our very inception in the radio business we have always endeavored to sell **EVERYTHING IN RADIO AT LOWEST WHOLESALE PRICES.**

★ Our volume of business is tremendous! We have customers in every state in the Union—in every country in the world! We buy in such great quantities that manufacturers give us the lowest possible prices. Lower costs for us mean lower prices for you.

★ Efficient, progressive business management! Even competitors admit that **WHOLESALE RADIO SERVICE COMPANY** is always "on its toes". We try to do a little more than the next fellow—try to give you a little bit more than you expect. That's why our customers continue to buy from us—year in and year out—increasing volume and decreasing our cost of doing business.

★ We buy when prices are lowest! Because of our huge cash resources we can afford to place orders months in advance. We buy in slack months—when prices are lowest—rather than during the busy season when prices go up. We even buy entire factory outputs on certain items frequently effecting tremendous savings which are passed on to you.

★ Hundreds of willing hands to serve you! We maintain a large, efficient staff of experienced, competent radiomen. Many have been with us since we started. Each of our Branches a highly skilled technical staff is ready to help you in every way answer your radio problems and questions.

Our business is built on SERVICE

**THE LARGEST RADIO  
Mail Order HOUSE  
IN THE WORLD**

See  
**Big "Yellow" Bargain**  
Section Which Contains  
Hundreds of Bargains  
*All typical of the  
amazing values*  
**WHOLESALE**  
*offers you*

# ON RADIO *at* SALE PRICES!



*Our Leadership Enables Us To Say...*  
**WE WILL NOT BE UNDERSOLD!**

**O**n the opposite page we list six reasons why it is possible for us to sell at lowest wholesale prices; but behind these six reasons there is one powerful factor which has brought us to undisputed leadership as the Largest Radio Mail Order House in the World... that one factor is **SERVICE!** Throughout 13 years it has always been our endeavor to serve you well. We have not been content to merely sell you quality merchandise at the lowest prices consistent with sound merchandising practices. We have given you an added something... **SERVICE**, Service that cannot be measured in dollars and cents. For example:

**WHOLESALE** has a Bureau of Standards to protect your purchases.

**WHOLESALE** carries hundreds of thousands of parts in stock at all times to render fast, efficient delivery service.

**WHOLESALE** has permanent displays of Public Address and Short Wave equipment... to eliminate the guesswork in picking the right equipment for the right job.

**WHOLESALE** offers a 30-day Free Trial and Money Back Guarantee on every Lafayette set.

**WHOLESALE** issues 4 Big Catalogs each year to keep you constantly informed of the latest developments and price changes.

**WHOLESALE** publishes many helpful books on Sound, Hints on Making Money, etc.... to aid the Radio Serviceman.

**WHOLESALE** brings its vast resources into the refrigerator parts field, thus benefiting the serviceman.

**WHOLESALE** has a large trained technical staff to aid you in solving your problems as they arise.

These are but a few of the many services which we offer you—at no extra cost! You get more than just merchandise when you buy from Wholesale. It is no wonder, therefore, that each year more and more Servicemen, Dealers, Amateurs and Experimenters deal with Wholesale Radio Service Company, the Home of Radio Reliability!

Manufacturers, too, realize the outstanding posi-

tion of this great National Institution. They come to us with the latest innovations—always giving us the benefit of their lowest prices because of our tremendous purchases.

These savings we pass on to you for now, as always, we feel that every customer is entitled to the lowest current prices on all merchandise sold by us.

The prices in this catalog are lowest **WHOLESALE** prices. Occasionally, an item is listed by a competitor at a lower price than ours. If you should see such an item in our catalog listed at a lower price in a mail order competitor's catalog and it is identical merchandise, write us giving the name of the competitor and his catalog page number and **WE WILL SHIP THE ITEM TO YOU AT THE SAME PRICE!**

In addition, should the prices on any of our merchandise be reduced after this catalog has been printed you will receive a refund in full for the difference when your order is filled. In other words, you can never buy from anybody cheaper than you can buy from Wholesale Radio Service Co. Now, as always, our leadership enables us to say, "**WE WILL NOT BE UNDERSOLD!**"

## **ANOTHER NEW POLICY** *No Order Too Small To Handle!*

**P**ERHAPS you have often hesitated to send in an order knowing that many companies will accept no order for less than a minimum amount. Actually there was a reason for it because small orders sometimes entail an actual loss. Every order, large or small, must be packed, checked, billed, shipped... a hundred and one details that cost money.

**WHOLESALE** realizes that this policy often inconveniences you; that many times a small order is needed in a hurry when you are not prepared to buy other merchandise.

Yet because we desire to serve you; to make it as convenient as possible for you to buy, we accept **ANY** order no matter how small or large! Now you can buy as your needs arise!

Please try to cooperate with us as we do with you. Try, if possible, to bulk your orders to the amount of \$5.00 or more... but if you do find yourself "on the spot"—in need of quick service on a small order—just rush it to us and your order will get the same attention as if it were for \$100 or more!  
Another Wholesale Radio **SERVICE!**

*Our Faithful Pledge for 13 Years!*  
World Radio History

# BATTERY SETS for FARMERS!

## ALMOST "BATTERY-LESS" Lafayette 7 tube SUPER HET

ONLY A SINGLE STORAGE BATTERY IS NEEDED  
NO "B" OR "C" BATTERIES ARE USED

HERE is the most unusual battery operated receiver we have yet presented! We can even call it a "batteryless" set since it requires no B or C batteries, but works entirely off an ordinary six-volt storage battery. How does it do it? The secret is a special power unit for the high voltage supply that delivers full voltage and never runs down. As long as you keep the storage battery in good condition the set will deliver its full power output just like an AC receiver. This power unit is exceptionally reliable and needs no attention or adjustment.

### EXTENDED WAVELENGTH RANGE

Ordinary receivers tune from 200 to 550 meters. This new set goes down to 171 meters and up to 565 and thus is capable of bringing in stations that would otherwise be inaudible. On the low wave end particularly you will find it very interesting to eavesdrop on police radio alarms and the newly licensed experimental stations that are trying "wide band" transmission.

### IMPROVED OPEN FACE DIAL

A feature of the open face dial is its listing of more than 100 of the most popular broadcasting stations of the United States. You can tune by call letters quickly and accurately! Police station channels are also indicated. Two small pointers inside the dial indicate the settings of the tone and volume controls. A clear glass window protects the dial.

### ECONOMICAL TO OPERATE

DESPITE the fact that all current required by the receiver is supplied by the storage battery—only 1½ amperes are consumed from the battery, enabling approximately three weeks operation from a 125 ampere hour battery per charging.

### SUPERHETERODYNE CIRCUIT

Seven tubes are used in the powerful and selective superheterodyne circuit. 1 type 34 as first detector, 1 type 30 as oscillator, 1 type 34 as I.F. amplifier, 1 type 30 as diode detector—AVC tube, 1 type 34 as first audio, one type 30 as second audio driver feeding a type 19 dual triode in Class B. An output of 1½ watts is obtained. A new motor magnetic speaker provides excellent tone quality with this output.

The automatic volume control keeps the receiver output at a constant level and prevents blasting or distorting as the receiver is tuned from one station to another.

Model B-65—Lafayette 7 Tube Batteryless Superheterodyne in Mantel Cabinet with tubes but less Storage Battery. Dimensions: 11¼" x 22¼" x 35¾". Shpg. wt., 112 lbs. Code Lemse. List price \$83.00. **Your Cost \$41.50**

Special 125 ampere hour Storage Battery for the above receiver. **\$10.95**



**\$41.50**  
WITH TUBES

## Lafayette 7 tube LONG & SHORT WAVE SUPER-HET

TWO SEPARATE TUNING RANGES: 18.7 to 57.7 Meters & 175 to 560 Meters

PEOPLE who live in country districts, away from electric power lines, will find the Lafayette 7 Tube Long and Short Wave Battery Receiver ideally suited to their requirements. Ruggedly constructed of quality parts and incorporating a new and important feature in the form of an automatic voltage regulator tube, thus assuring many years of dependable service.

### EXTRA BAND INCREASES USEFULNESS OF SET

Two entirely separate tuning ranges are provided—one from 175 to 560 meters is for use in receiving all American broadcast stations and in addition many police calls and amateurs. The second band is designed for the reception of all the popular short wave broadcasting stations and covers the band from 18.7 to 57.7 meters, thus including both the daylight short wave broadcasting band from 19 to 31 meters and the evening band around 49 meters. This range also includes such interesting stations as aircraft, airport, ship radiophones, and amateurs. In isolated districts, where there are no large bodies of steel or electrical appliances to cause interference, you will enjoy unrivalled reception from the best stations on the air. You will be able to enjoy to the fullest such interesting stations as Daventry, England; Paris, France; Madrid, Spain; Berlin, Germany; Rome, Italy, and many more.

### LONG BATTERY LIFE

THE seven tubes used in this highly efficient receiver consume only 63 ampere for filament supply from the A battery and only 23 milliamperes for plate supply from the B batteries. This assures long and satisfactory battery life. The use of an automatic voltage regulator tube permits the use of any of the following types of A batteries as desired—three volt dry cell packs—two volt storage battery—or an Eveready Air Cell battery. The battery complement includes three 45 volt B batteries, one 22½ volt C battery and the A supply.

### SUPERHETERODYNE CIRCUIT

Sensitivity and selectivity great enough for all ordinary requirements is made possible by an advanced superheterodyne circuit using one type 1C6 tube as oscillator-modulator, one 34 I.F. amplifier, one 30 detector-AVC tube, one 30 first audio and one 30 second audio, one 33 power output tube and a 6-1 voltage regulator tube. A 6 inch motor magnetic speaker is used.

Model F-52—Lafayette 7 Tube Long and Short Wave Superheterodyne with tubes, but less batteries: Dimensions: 15½" x 18¾" x 10". Shpg. wt., 40 lbs. Code Lesut. List price \$59.50. **Your Cost \$29.75**

Complete set of Ben Hur B and C batteries and one Eveready Air Cell. **Your Cost \$9.15**



**\$29.75**  
WITH TUBES

FREE CW STATION LIST AND TUNING UNITS WITH EACH RECEIVER

# ARCTURUS

## TUBES

Type	Description	Price	Your Cost
1A6	Pentagrid Converter	\$1.50	\$0.81
1C6	Pentagrid Converter	1.60	.86
2A3	Triode Power Amplifier	1.75	.95
2A5	Pentode Power Amplifier	1.10	.59
2A6	Diode Det. and Triode Amp.	1.10	.59
2B6	Dual Triode	2.50	1.35
2A7	Detector and Oscillator	1.30	.70
2B7	Diode Det. & Pent. Amp.	1.50	.81
5Z3	Full Wave Vac. Rect.	1.20	.65
6A7	Detector & Osc.	1.30	.70
6B7	Diode Det. & Pent. Amp.	1.40	.76
6C6	Pentode Det. or Amp.	1.10	.59
6D6	Pentode Det. or Amp.	1.10	.59
6F7	Comb. Triode-Pent. Det. & Osc.	1.60	.86
6Z4(84)	Full Wave Vac. Rec.	1.30	.70
12Z3	Half Wave Vac. Rec.	1.10	.59
12Z5	F.W. Rec. Doubler (12.6 V.)	1.50	.81
12Z5	F.W. Rec. Doubler (6.3 V.)	1.50	.81
25Z5	Vac. Rec. Voltage Doubler	1.60	.86
01A	Triode Det. or Amp.	.60	.32
10	Triode Pwr. Amp. or Osc.	2.50	1.35
12A	Triode Det. or Amp.	.90	.49
22	S.G. Det. or Amp.	1.50	.81
24A	S. G. Det. or Amp.	1.10	.59
26	Triode Amplifier	.65	.35
27	Triode Det. or Amp.	.70	.38
30	Triode Det. Amp. or Osc.	.80	.43
31	Triode Pwr. Amp.	.80	.43
32	S.G. Det. or Amp.	1.40	.76
33	Pentode Pwr. Amp.	1.40	.76
34	Var. Mu. Pent. Amp.	1.50	.81
35	Var. Mu S.G. Amp.	1.10	.59
36	S.G. Det. or Amp.	1.10	.59
37	Triode Det. or Amp.	.85	.46

### ARCTURUS SPECIAL 15 VOLT TYPES

Type	Description	Your Cost	Type	Description	Your Cost
22	S.G.R.F. Amp.	\$4.05	32	Hi. Mu Amp.	\$2.43
26	Detector	2.43	40	Amplifier	3.24
30	Pwr. Amplifier	2.43	48	Amplifier	2.43

### GUARANTEE

Wholesale Radio Service guarantees every Arcturus tube for a period of six months from the date of purchase (burnouts and breakages excepted). We believe this to be the most liberal guarantee ever offered. Should manufacturers reduce or increase prices after this catalog is out, our prices will change accordingly.

Type	Description	Price	Your Cost
38	Pent. Pwr. Amp.	\$1.10	\$0.59
39	Var. Mu Pent. Amp.	1.20	.65
40	Triode Det. or Amp.	.80	.43
41	Pent. Pwr. Amp.	1.10	.59
42	Pent. Pwr. Amp.	1.20	.65
43	Pent. Pwr. Amp.	1.25	.66
44	Var. Mu Pent. Amp.	1.20	.65
45	Triode Pwr. Amp.	.75	.41
46	Dual Pur. Pwr. Amp.	1.20	.65
50	Triode Pwr. Amp.	2.50	1.35
51	Var. Mu S.G. Amp.	1.10	.59
53	Twin Cl. "B" Triode Pwr. Amp.	1.35	.73
55	Comb. Diode Det. & Triode Amp.	1.10	.59
56	Triode Det. or Amp.	.75	.41
57	Pent. Det. or Amp.	1.10	.59
58	Var. Mu Pent. Amp.	1.10	.59
59	Univ. Pwr. Amp.	1.60	.86
71A	Triode Pwr. Amp.	.70	.38
75	Comb. Diode Det. & Triode Amp.	1.10	.59
76	Triode Det. or Amp.	.90	.49
77	Pent. Det. or Amp.	1.20	.65
78	Var. Mu Pent. Det. or Amp.	1.20	.65
79	Twin Cl. "B" Triode Pwr. Amp.	1.30	.70
80	Full Wave Vac. Rec.	.70	.38
81	Half Wave Vac. Rec.	2.50	1.35
82	Full Wave Mer. Vapor Rec.	.90	.49
83	Full Wave Vac. Rec.	1.10	.59
85	Comb. Diode Det. & Pwr. Amp.	1.10	.59
89	Universal Pwr. Amp.	1.20	.65
V99	Triode Det. or Amp.	1.25	.68
X99	Triode Det. or Amp.	1.00	.54
AF	Full Wave Mer. Vapor Rec.	1.80	.97
AG	Full Wave Mer. Vapor Rec.	2.05	1.11
GA	Power Pentode	2.75	1.49
PZ	Pent. Pwr. Amp.	1.30	.70
PZH	Amplifier Triode	1.60	.86

### WUNDERLICH TYPE TUBES

Type	Description	List Price	Your Cost
A	2.5 Volt Filament— Has 5 Prongs	\$3.00	\$1.62
AA	Automotive Type—2.5 Volts—5 Prongs	3.00	1.62

### GENUINE KELLOGG TUBES

The original overhead heater type tubes. For use on alternating current. Used in the old model Sonora receivers and others. All brand new and guaranteed.

Type 401.	List \$4.00.
Your Cost	\$2.35
Type 403.	List \$5.00.
Your Cost	\$2.94

### LAFAYETTE

#### MAJESTIC TYPE TUBES

Type	List Price	Your Cost
24S	\$1.30	\$0.65 \$0.70
25	3.80	1.90 none
27S	.80	.40 .43
35S-51S	1.40	.70 .76
55S	1.70	.85 .92
56S	1.30	.65 .70
57S	1.75	.88 .95
57A-S	1.75	.88 .95
58S	1.75	.88 .95
58A-S	1.75	.88 .95

### RAYTHEON

Type	List Price	Your Cost
85A-S	\$1.70	\$0.85 \$0.92
2A7-S	2.30	1.15 1.24
6A7-S	2.30	1.15 1.24
6B7	2.10	1.05 1.13
6C7	1.90	.95 1.03
6D7	1.75	.88 .95
6E7	1.75	.88 .95
6F7-S	1.90	.95 1.03
6Y5	1.90	.95 1.03
6Z5	1.90	.95 .95

### THEATRE EXCITER LAMPS



Designed and engineered by one of the pioneers in the field, these lamps are scientifically constructed to give long and satisfactory service.

Type	Volts	Amps.	Base
854	8.5	4.0	S.C. Bayonet
105	10	5.0	S.C. Bayonet
107	10	7.5	S.C. Bayonet
Your Cost— Each, Any Type			62c

Sealed

TAMPER



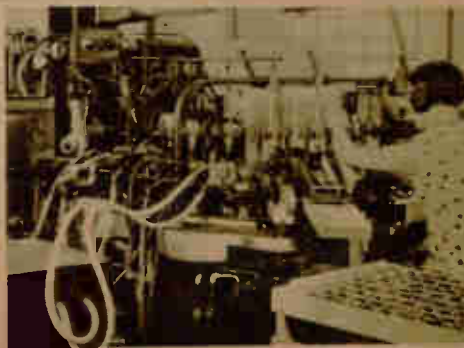
Precision  
WORKMANSHIP and  
RIGID INSPECTION  
BEHIND EVERY  
Lafayette  
tube!



Final Test on All Tube Characteristics



Spot Welding Tube Filament



Exhausting and Sealing Tubes



# PROOF!

# Lafayette SCIENTIFIC RADIO TUBES

## 6 MONTHS GUARANTEE on TUBES!

First, we guarantee every receiving tube sold for a period of 6 months—not 90 days, but a full six months. IF ANY TUBE SOLD BY US SHOULD FAIL DURING SIX MONTHS IT WILL BE CHEERFULLY AND PROMPTLY REPLACED WITHOUT CHARGE—burn-outs and breakages are the ONLY exception. To the best of our knowledge, this is the most liberal tube guarantee in the country.

Second, we make this guarantee possible by testing every tube before it is shipped out. We maintain an elaborate testing laboratory, equipped with every modern testing device available. SHOULD TUBE PRICES DECREASE OR INCREASE AFTER THIS CATALOG IS PUBLISHED OUR PRICES WILL CHANGE ACCORDINGLY. It pays to buy from Wholesale Radio Service!



1A	List 60c Your Cost	<b>28c</b>	12A5	List \$2.10 Your Cost	<b>93c</b>	39	List \$1.20 Your Cost	<b>60c</b>	75	List \$1.10 Your Cost	<b>55c</b>
A6	List \$1.50 Your Cost	<b>75c</b>	*12A7	List \$2.20 Your Cost	<b>99c</b>	40	List \$2.00 Your Cost	<b>\$1.00</b>	76	List 90c Your Cost	<b>45c</b>
C6	List \$1.75 Your Cost	<b>88c</b>	12Z3	List \$1.10 Your Cost	<b>52c</b>	41	List \$1.10 Your Cost	<b>55c</b>	77	List \$1.20 Your Cost	<b>60c</b>
V	List \$1.00 Your Cost	<b>50c</b>	19	List \$1.20 Your Cost	<b>60c</b>	42	List \$1.20 Your Cost	<b>60c</b>	78	List \$1.20 Your Cost	<b>60c</b>
A3	List \$1.75 Your Cost	<b>88c</b>	20	List \$1.50 Your Cost	<b>75c</b>	43	List \$1.25 Your Cost	<b>63c</b>	79	List \$1.30 Your Cost	<b>65c</b>
A5	List \$1.10 Your Cost	<b>55c</b>	22	List \$1.50 Your Cost	<b>75c</b>	44	List \$1.20 Your Cost	<b>60c</b>	80	List 70c Your Cost	<b>32c</b>
A6	List \$1.10 Your Cost	<b>55c</b>	24	List \$1.10 Your Cost	<b>52c</b>	45	List 75c Your Cost	<b>34c</b>	81	List \$2.50 Your Cost	<b>\$1.25</b>
A7	List \$1.30 Your Cost	<b>65c</b>	25Z5	List \$1.60 Your Cost	<b>80c</b>	46	List \$1.20 Your Cost	<b>60c</b>	82	List 90c Your Cost	<b>45c</b>
B6	List \$1.50 Your Cost	<b>75c</b>	26	List 65c Your Cost	<b>30c</b>	47	List \$1.30 Your Cost	<b>58c</b>	83	List \$1.10 Your Cost	<b>55c</b>
B7	List \$1.50 Your Cost	<b>75c</b>	27	List 70c Your Cost	<b>32c</b>	48	List \$3.00 Your Cost	<b>\$1.50</b>	84	List \$1.30 Your Cost	<b>65c</b>
Z3	List \$1.20 Your Cost	<b>60c</b>	29	List \$3.65 Your Cost	<b>\$1.65</b>	49	List \$1.10 Your Cost	<b>55c</b>	85	List \$1.10 Your Cost	<b>55c</b>
C6	List \$1.10 Your Cost	<b>55c</b>	30	List 80c Your Cost	<b>40c</b>	50	List \$2.50 Your Cost	<b>\$1.25</b>	89	List \$1.20 Your Cost	<b>60c</b>
D6	List \$1.10 Your Cost	<b>55c</b>	31	List 80c Your Cost	<b>40c</b>	51	List \$1.10 Your Cost	<b>55c</b>	V-99	List \$2.25 Your Cost	<b>\$1.13</b>
6A4	List \$1.40 Your Cost	<b>68c</b>	32	List \$1.40 Your Cost	<b>70c</b>	53	List \$1.35 Your Cost	<b>68c</b>	X-99	List \$1.00 Your Cost	<b>50c</b>
A7	List \$1.30 Your Cost	<b>65c</b>	33	List \$1.40 Your Cost	<b>70c</b>	55	List \$1.10 Your Cost	<b>55c</b>	182B	List \$1.65 Your Cost	<b>75c</b>
B7	List \$1.40 Your Cost	<b>70c</b>	34	List \$1.50 Your Cost	<b>75c</b>	56	List 75c Your Cost	<b>38c</b>	183	List \$1.65 Your Cost	<b>80c</b>
6F7	List \$1.60 Your Cost	<b>80c</b>	35	List \$1.10 Your Cost	<b>55c</b>	57	List \$1.10 Your Cost	<b>55c</b>	484	List \$1.80 Your Cost	<b>90c</b>
10	List \$2.50 Your Cost	<b>\$1.25</b>	36	List \$1.10 Your Cost	<b>55c</b>	58	List \$1.10 Your Cost	<b>55c</b>	485	List \$1.45 Your Cost	<b>72c</b>
12A	List 90c Your Cost	<b>45c</b>	37	List 85c Your Cost	<b>43c</b>	59	List \$1.60 Your Cost	<b>79c</b>			
			38	List \$1.10 Your Cost	<b>55c</b>	6A	List 70c Your Cost	<b>33c</b>			

These highly specialized tubes are available only from Lafayette.

World Radio History

RAYTHEON  
TUBES

4 PILLAR  
CONSTRUCTION

# RAYTHEON TUBES

Type No.	Description	List Price	Your Cost	Type No.	Description	List Price	Your Cost
00A	Triode Detector	\$2.00	\$1.08	37	Triode Detector or Amplifier	.85	.46
01A	Triode Detector or Amplifier	.60	.32	38	Pentode Power Amplifier	1.10	.59
1A6	Pentagrid Conv.	1.50	.81	39	Vari-Mu Pentode Amplifier	1.20	.65
1C6	Pentagrid Conv.	1.60	.86	40	Triode Detector or Amplifier	.80	.43
1-V	Half Wave Vacuum Rectifier	1.00	.54	41	Pentode Power Amplifier	1.10	.59
2A3	Triode Power Amplifier	1.75	.95	42	Pentode Power Amplifier	1.20	.65
2A5	Pentode Power Amplifier	1.10	.59	43	Pentode Power Amplifier	1.25	.68
2A6	Duo Diode-Triode Amplifier	1.10	.59	44	Vari-Mu Pentode Amplifier	1.20	.65
2A7	Detector and Oscillator	1.30	.70	45	Triode Power Amplifier	.75	.41
2B7	Diode Det. and Pentode Amp.	1.50	.81	46	Dual Purpose Pwr. Amplifier	1.20	.65
5Z3	Full Wave Vacuum Rectifier	1.20	.65	47	Pentode Power Amplifier	1.30	.70
6A4(LA)	Pentode Power Amplifier	1.40	.76	48	Power Amplifier	3.00	1.62
6A7	Detector and Oscillator	1.30	.70	49	Dual Purpose Pwr. Amplifier	1.10	.59
6B7	Diode Det. and Pentode Amp.	1.40	.76	50	Triode Power Amplifier	2.50	1.35
6C6	Pentode Detector or Amplifier	1.10	.59	51	Vari-Mu S.G. Amplifier	1.10	.59
6D6	Pentode Detector or Amplifier	1.10	.59	52	Dual Purpose Pwr. Amplifier	1.60	.86
6F7	Comb. Triode Pentode			53	Twin Cl. "B" Tri. Pwr. Amp.	1.35	.73
	Detector and Oscillator	1.60	.86	55	Duo Diode-Triode Amplifier	1.10	.59
6Z4(84)	Full Wave Vacuum Rectifier	1.30	.70	56	Triode Detector or Amplifier	.75	.41
12A5	Pentode Power Amplifier	2.10	1.13	57	Pentode Detector or Amplifier	1.10	.59
12Z3	Half Wave Vacuum Rectifier	1.10	.59	58	Vari-Mu Pentode Amplifier	1.10	.59
25Z5	Volt. Doubling Vac. Rectifier	1.60	.86	59	Universal Power Amplifier	1.60	.86
10	Triode Power Amplifier	2.50	1.35		Triode Power Amplifier	.70	.38
WD-11	Triode Detector	3.00	1.62	71A	Duo Diode-Triode Amplifier	1.10	.59
WX-12	Triode Detector	3.00	1.62	75	Triode Detector or Amplifier	.90	.49
12A	Triode Detector or Amplifier	.90	.49	76	Pentode Detector or Amplifier	1.20	.65
19	Twin Cl. "B" Tri. Pwr. Amp.	1.20	.65	77	Vari-Mu Pent. Det. or Amp.	1.20	.65
20	Triode Power Amplifier	1.50	.81	78	Twin Cl. "B" Tri. Pwr. Amp.	1.30	.70
22	S.G. Detector or Amplifier	1.50	.81	79	Full Wave Vacuum Rectifier	.70	.38
24A	S.G. Detector or Amplifier	1.10	.59	80	Half Wave Vacuum Rectifier	2.50	1.35
26	Triode Amplifier	.65	.35	81	Full Wave Merc. Vap. Rect.	.90	.49
27	Triode Detector or Amplifier	.70	.38	82	Full Wave Vacuum Rectifier	1.10	.59
30	Triode Detector or Amplifier	.80	.43	83V	Duo Diode-Triode Amplifier	1.10	.59
31	Triode Power Amplifier	.80	.43	85	Universal Power Amplifier	1.20	.65
32	S. G. Detector or Amplifier	1.40	.76	89	Triode Detector or Amplifier	1.25	.68
33	Pentode Power Amplifier	1.40	.76	V-99	Triode Detector or Amplifier	1.00	.54
34	Vari-Mu Pentode Amplifier	1.50	.81	X-99	Full Wave Gaseous Rectifier	7.50	4.05
35	Vari-Mu S.G. Amplifier	1.10	.59	BA	Full Wave Rect. for "B" Elim.	4.65	2.51
A	S.G. Detector or Amplifier	1.10	.59	BH	Half Wave Gaseous Rectifier	2.75	1.49
				BR			



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# BARGAINS

QUANTITY LIMITED

LOW PRICES

## SANGAMO "Illini" Mica Condensers



Here is an opportunity for the serviceman to stock up on brand new, high quality mica condensers at prices far below the present market quotations. These Sangamo condensers are constructed with the finest ruby mica, and are housed in moulded bakelite cases. All units have capacities marked on them. Although this company has purchased a large quantity, they will not last long at the prices shown below. Consult listing for available sizes.

Stock No.	Cap'y Mfd.	Your Cost Each	Stock No.	Cap'y Mfd.	Your Cost Each
XD4176	.001	5 <sup>c</sup>	XD4173	.0005	4 <sup>c</sup>
XD4177	.002		XD4180	.0005	
XD4171	.003		XD4174	.0009	
XD4170	.000125	3 <sup>c</sup>	XD4175	.00002	3 <sup>c</sup>
XD4172	.00045				

### SPECIAL KIT—12 UNITS

Contains the following:  
 3—.001 2—.000125 1—.0009  
 1—.002 1—.00045 1—.00002  
 1—.003 1—.0005 1—.00005  
**XD4166—Kit of 12**  
**Your Cost, Special 40<sup>c</sup>**

### SPECIAL KIT—25 UNITS

Contains the following:  
 6—.001 4—.000125 2—.0009  
 2—.002 2—.00045 2—.00002  
 2—.003 2—.0005 3—.00005  
**XD4167—Kit of 25**  
**Your Cost, Special 79<sup>c</sup>**

### SPECIAL KIT—50 UNITS

Contains the following:  
 7—.001 8—.000125 4—.0009  
 4—.002 5—.00045 5—.00002  
 4—.003 8—.0005 5—.00005  
**XD4168—Kit of 50**  
**Your Cost, Special \$1.49**

### SPECIAL KIT—100 UNITS

Contains the following:  
 24—.001 16—.000125 8—.0009  
 8—.002 8—.00045 10—.00002  
 8—.003 8—.0005 10—.00005  
**XD4169—Kit of 100**  
**Your Cost, Special \$2.95**

## MERSON WET ELECTROLYTIC FILTER CONDENSERS



Once again, through a fortunate purchase, Wholesale Radio Service Co. is offering quality merchandise to the serviceman at unbeatable prices. Manufactured by one of the largest companies in the field, each unit is accurately designed, conservatively rated and sturdily built. The stud mounting condensers are furnished complete with lockwasher and nut; the clamp mounting condensers are equipped with the proper clamp for mounting on chassis. Consult listing below for type desired.



### Clamp Mounting Condensers

Stock No.	Cap'y Mfd.	Wkg. Volt.	Your Cost	Stock No.	Cap'y Mfd.	Wkg. Volt.	Your Cost
XD2689	4	450	19 <sup>c</sup>	XD2693	8	430	22 <sup>c</sup>
XD2690	6	425		XD2694	8	450	
XD2691	6	450		XD2696	10	430	24 <sup>c</sup>
XD2692	7	450			XD2698	25	
XD2695	8	200					

### Stud Mounting Condensers

Stock No.	Cap'y Mfd.	Wkg. Volt.	Your Cost	Stock No.	Cap'y Mfd.	Wkg. Volt.	Your Cost
XD2712	4	430	19 <sup>c</sup>	XD2688	8	450	22 <sup>c</sup>
XD2685	4	450		XD2712	10	450	27 <sup>c</sup>
XD2686	6	450		XD2681	16	450	
XD2687	7	440					

### 3 Mfd. 300 Volt Condenser

The original Victor Part No. DL-2961390, used in models RE-45 and RE-75. Metal container, size 1 1/2" x 5 1/2" x 3". Has flexible leads. Mounting bracket. Shpg. wt. 2 lbs.



XB487—  
Each..... 25<sup>c</sup>

### AEROVOX Triple .1 Condenser



In metal case, with lugs for mounting. Made especially for General Motors, G. M. part No. 1200473. (Model A chassis.) Connections brought out to solder lugs. Can common negative.

300 volts D. C. working.  
 XD3992—List 85c  
 Your Cost Each..... 25<sup>c</sup>

### AEROVOX Type 1460 Mica



A popular size mica condenser employing fine ruby mica dielectric. Quantity limited.

Stock No.	Cap'y Mfd.	List Price	Your Cost
XD1811	.001	\$0.25	\$0.10
XD3513	.002	.35	.14
XD1815	.003	.40	.15
XD4183	.00025	.20	.08
XD3810	.0005	.20	.08

### SPRAGUE .05

By-Pass



Bathtub type. 200 volts D. C.  
 XD3147—  
 Your Cost Each..... 9<sup>c</sup>

RCA .05 By-Pass  
 400 volts D. C.  
 Tinned ribbon leads.  
 XD3284  
 Each..... 8<sup>c</sup>

## SPECIAL VALUES IN DRY ELECTROLYTICS

### Round Inverted Metal Can—500 Volts Peak



These single and dual section electrolytics, contained in cylindrical aluminum cans. Fit 3/8" hole, and are furnished with hex nut and lockwasher. All conservatively rated, working voltage 450 v. D. C.

Stock No.	Cap'y Mfd.	Size L	Size Dia.	Your Cost
XD3104	4	2 1/2"	1 1/2"	\$0.31
XD3105	6	3 1/4"	1 3/4"	.34
XD3106	8	4 1/4"	1 3/4"	.36
XD3107	4-4	4 1/4"	1 3/4"	.59
XD3108	8-8	4 1/4"	1 3/4"	.79

### Tubular Cartridge Units



Compact dry electrolytics in tubular cardboard containers measuring only 2 1/4" long. Especially suited for use in Midget receivers, where space is an important factor. Provided with stiff wire leads.

Stock No.	Cap'y Mfd.	Wkg. Volts	Peak Volts	Diam. In.	Your Cost
D3100	1	450	500	3/8	\$0.24
D3101	2	450	500	3/8	.28
D3102	10	25	35	3/8	.18
D3103	25	25	35	3/8	.28

These dry electrolytic condensers are all high grade, first quality units. At the exceptionally low prices at which they are being offered, it is imperative that you order now. Quantities limited.

### Cardboard Type With Mounting Flanges



These units are contained in tough fibre cardboard housings and provided with mounting tabs at either end. When clamp mounting is desired, these tabs may be cut off without breaking the cardboard housing. Low price, efficient for replacement work of all kinds. All capacities are conservatively rated, and will remain constant over a wide range of frequencies and voltages.

Stock No.	Cap'y Mfd.	Peak Volts	Size Inches L	Size Inches W	Size Inches D	Your Cost
XD3115	4	500	4 1/2"	1 1/2"	1 1/2"	\$0.27
XD3116	8	500	4 1/2"	1 1/2"	1 1/2"	.29
XD3117	4-4-4	500	4 1/2"	1 1/2"	1 1/2"	.85
XD3118	8-8	500	4 1/2"	1 1/2"	1 1/2"	.68
XD3119	8-8-8	500	4 1/2"	1 1/2"	1 1/2"	.92
XD3120*	8-8	500	4 1/2"	1 1/2"	1 1/2"	.85
XD3121*	8-8-8	500	4 1/2"	1 1/2"	1 1/2"	1.19
XD3125	50	25	4 1/2"	1 1/2"	1 1/2"	.39

\* Rectangular Metal Can Units.

### Round Upright Metal Can Units—500 V Peak

Mounted in cylindrical aluminum containers and provided with solder lug terminals. Will fit standard ring mountings. Peak voltage 500 volt D. C.; working voltage 450 volt D. C.

Stock No.	Cap'y Mfd.	Size L	Size Dia.	Your Cost
XD3127	8	4 3/4"	1 3/4"	\$0.36
XD3128	4-4	4 3/4"	1 3/4"	.64
XD3129	8-8	4 3/4"	1 3/4"	.79
XD3126	5-15	4 3/4"	2 1/2"	.85
XD3130	4-4-4	4 3/4"	2 1/2"	.95
XD3131	8-8-8	4 3/4"	3"	1.25
XD3132	8-8-8-8	4 3/4"	3"	1.45
XD3133	9-9-18	4 3/4"	3 1/2"	1.45
XD3134	8-8-18-18	4 3/4"	3 1/2"	1.98

### Compact Rectangular Units in Cartons

In cardboard cartons only 2 1/4" long. Popular for use in A. C.-D. C. Midgets where space is limited.

Stock No.	Cap'y Mfd.	Peak Volts	Size Inches W	Size Inches H	Your Cost
XD3109†	2	500	3/8	3/8	\$0.22
XD3110†	4	500	1/2	3/8	.26
XD3111†	8	500	1/2	1/2	.29
XD3112*	4-4	200	1/2	1/2	.45
XD3113*	8-8	200	1/2	1/2	.54
XD3114*	5-5	50	5/8	5/8	.29

† With lugs. \* With 6" leads.

Replacement Part Headquarters for Dealers and Service Men

# Bargains

**QUANTITY LIMITED**

## Speaker Plaque



Beautiful matched walnut speaker plaque with cased metal grill. 15 3/4" long, 13 3/4" wide. Speaker opening 10 3/4" diameter. Shpg. wt. 5 lbs.

XY19996—  
Your Cost ..... **39¢**  
Special .....

## G.M. Antenna or Master Coupler. Type 1053

For use with twisted pair transmission lines. Matches antenna to line impedances. Permits use of more than one receiver on a single antenna. To be used with antenna coupler listed below. Equipped with bracket for mounting to mast. When installed properly, these units will eliminate from 60 to 90% of the objectionable local interference. Shpg. wt. 2 lbs.



XY16177—  
Your Cost Special ..... **\$1.29**

## G.M. Wall Type Set Coupler



For coupling any type receiver to a twisted pair transmission line. May be used with or without the antenna coupler listed above, but better results will be obtained when both are used. More than one antenna coupler may

be used on a single aerial if desired so that several sets can be operated at a time. When properly installed, at the same time that all the other electrical wiring is done, this unit becomes a permanent part of the antenna installation. Shpg. wt. 1 lb.

XY16178—  
Your Cost Special ..... **75¢**



## Genuine Radiola 28 Only \$4.95



Here is a value you can seldom duplicate! One of the finest battery operated receivers ever built, a real superheterodyne using a loop aerial and requiring no other aerial, at a price that amounts to practically giving them away! Wherever a receiver is to be operated from batteries—on the farm—in the camp—at the shore—etc., this receiver is ideally suited. Quantity is very limited so place your order today! Shpg. wt. 120 lbs.

XY22128—  
Less Tubes and Batteries  
Your Cost Special ..... **\$4.95**

XY22129—Complete Set of Tubes for the above. Your Cost ..... **\$3.25**

XY22130—Complete set of batteries, 2—45 V. "B," 3—22 1/2 V. "C," 12—1 1/2 V. "A." Shpg. wt. 57 lbs.  
Your Cost ..... **\$5.93**



## Mantel Cabinet

Beautiful curved top cabinet of contrasting walnut veneers illustrated at the left. Drilled for chassis as illustrated. Built-in baffle. Overall dimensions: 17 1/2" wide, 17" high, 8 1/2" deep. Shpg. wt. 20 lbs.



XY19993—  
Your Cost Special ..... **\$1.25**

Beautifully polished hardwood Mantel Cabinet of matched grain veneers. Attractive modernistic speaker grill. Cut and drilled for receiver chassis as illustrated. Cabinet dimensions: 13 1/2 x 10 x 15". Shpg. wt. 16 lbs.

XY19992—  
Your Cost, Special ..... **\$2.95**

## Midget Cabinet



A cabinet usually used for A.C.-D.C. sets. 11" long, 7 1/4" high, 5 3/4" deep. Drilled as shown or blank. Shpg. wt. 4 lbs.

XY19995—Drilled  
Your Cost ..... **\$1.75**

XY19996—Blank  
Your Cost ..... **\$1.95**

## Pillow Speaker



A comfortable sanitary spongy rubber pillow with a speaker unit inside of it. Especially designed for hospitals, sick rooms, etc., where one individual can listen to a radio yet not disturb anyone else. With 8 ft. waterproof cord and plug, pillowcase and speaker unit. Size 15 x 12". Shpg. wt. 10 lbs.

XW19176—  
Your Cost Special ..... **\$3.95**

## Combination Radio Wall Outlet

Provides outlets for aerial and ground in addition to an A.C. outlet with an individual switch for the A.C. Attractive bronze wall plate will fit standard "gem" box. Complete with tip plugs. Shpg. wt. 1 lb.

XM13221—  
Your Cost Special ..... **69¢**

## Metal Chassis



Heavy steel painted green. Size 16 1/2 x 9 x 1 1/4". Shpg. wt. 4 lbs.

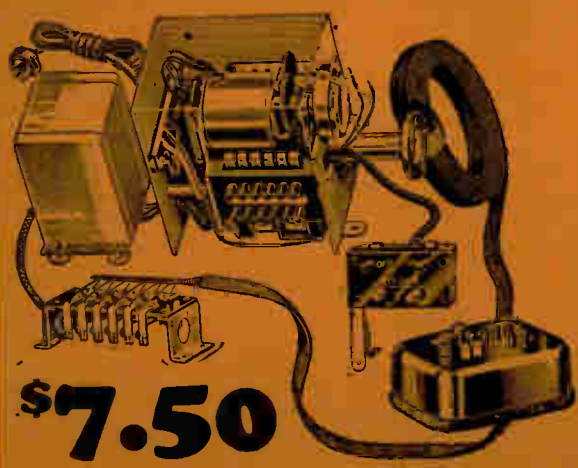
XM12885—  
Your Cost ..... **15¢**

# TUNE ANY RADIO from a DISTANT POINT



TUNE ANY RADIO from a DISTANT POINT

**Genuine RCA Victor Remote Control** formerly \$12.50 **NOW \$7.50**



**\$7.50**

This control automatically tunes your receiver to any desired station merely at the touch of a button on the Remote Control box. It will turn it on or off—increase or decrease the volume as you desire quickly and easily. Can be installed on most makes of receivers. Engineered and built by Westinghouse for its own receivers, it can be used as a replacement unit in addition to being installed in new receivers. It is supplied complete with 25 ft. of cable attached to the control box—more can be added up to 60 ft. if desired.

### A Profit Maker for the Serviceman

Servicemen, this unit can make money for you if you present it properly. Your customer will quickly see the advantages this unit offers him and you make a nice profit both on the sale of the unit and on the installation charges. Write for your copy of our free folder describing this unit in detail. Shpg. wt. 20 lbs.

XY19498—For sets with vertical condensers  
XY19425—For sets with horizontal condensers  
Your Cost, Either Type ..... **\$7.50**

### Control Box Only

We have a quantity of the Remote Control Boxes available for those desiring to add additional control points to present installations or to replace defective boxes.

They may also be used as multiple push buttons on executives' desks, etc., for call systems. A total of ten buttons are available, six of which are equipped with name plates, the other four having individual colored buttons. Shpg. wt. 5 lbs.

XY19744—Control Box Only  
Your Cost, Special ..... **\$3.95**

# BARGAINS!

QUANTITY LIMITED

## Detector and Oscillator Coil



The genuine RCA Coil used in Models 80, 82, 86 and RAE68. An inductively coupled detector and oscillator coil wound on a bakelite tube. Made to track with a 15-70 mmf. Padding condenser.

XH10131—Your Cost Each..... **49¢**

## VICTOR R.F. Coil

**For Models: R32, RE45, R52, RE75, RE54, RE56**  
The original Victor R.F. Coil, Part No. 10443, used in the above model receivers. For 1st, 3rd and 4th R.F. stages. Wound on a bakelite tube 2 1/4" long, 1 1/4" in diameter. Shpg. wt. 1 lb.  
XH10054—Your Cost Each..... **19¢**



## Preselector Coil

Consists of three windings on one bakelite tube. Has antenna primary and two loosely coupled secondaries. Used on Radiola Models 80, 82, 86 and the corresponding General Electric, Westinghouse and Graybar Models. Shpg. wt. 2 lbs.  
XH10130—Your Cost..... **25¢**

**VICTOR Antenna Choke**  
Models R32, RE45, R52, RE75  
Replacement Part No. 10444, for the above models. Consists of 150 turns of No. 34 wire, wound on a wooden spool.  
XH10122—Your Cost **10¢**  
Each.....  
Per Dozen..... \$1.00



## CROSLLEY Coils



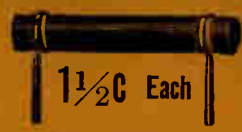
Genuine Crosley replacement antenna and R.F. parts. Can be used for other sets.

Your choice of any of the following coils. **7¢**  
Each.....

Shpg. wt., any coil, 1 lb.  
**Models 20, 21 and 22**  
XC1855—R.F. Coil No. 6435.  
**Model 804 Jewel Box**  
XC1858—R.F. Coil No. 5762.  
**Models 53, 54, 57, 77 and 91**  
XC1862—Antenna Coil No. 20444.  
**Model 401 Bandbox Jr.**  
XC1861—Antenna or R.F. Coil No. 4201.  
**Models 602, 704, 704A, 704B**  
XC1860—R.F. Coil No. 4365.  
**Models 609 and 610 Gembox**  
XC1864—R.F. Coil No. 5872.

## VICTOR R.F. Coils

Originally used in Victor Models RE35, 39 and 57. Part No. 10817 is the antenna or link coil. Part No. 10830 is the second R.F. coil coupling 2-screen grid R.F. tubes. These coils can also be used in other receivers for this purpose.  
XH10107—Part No. 10817. Your Cost **29¢**  
Each.....  
XH10109—Part No. 10830. Your Cost **35¢**  
Each.....



1 1/2 C Each

## Carbon Resistors

A very fortunate purchase enables us to offer these reliable carbon Resistors at unbelievable low price. Only changes listed below, available at these bargain prices. Better order at once.

**1/2 Watt**  
Resistance in Ohms  
40,000 45,000 65,000  
XE5103—Your Cost Any Size Each **1 1/2¢**  
12 for.....15c Per 100...98c

**1 Watt**  
Resistance in Ohms  
500 1500 2 Meg.  
1000 1 Meg. 2 1/2 Meg.  
1200 1 1/2 Meg. 3 Meg.  
XE5100—Your Cost Any Size Each **1 1/2¢**  
12 for.....15c Per 100...98c

**2 Watt**  
Resistance in Ohms  
17,000 30,000 50,000  
20,000 40,000 60,000  
25,000 45,000 75,000  
XE5050—Your Cost Any Size Each **3¢**  
6 for.....15c 12 for.....25c

## Sandpaper

A handy package of sandpaper in assorted grits. 20 sheets to a package. Shpg. wt. 1 lb.  
XP15563—Your Cost..... **9¢**



## Emerald and Aluminum Oxidized Cloth

Six sheets of assorted grits in a handy household package. Excellent for polishing rusted metals, etc. Shpg. wt. 1 lb.  
XP15564—Your Cost..... **9¢**

## Genuine AEROVOX Carbon Resistors



1 Watt in the following sizes:  
Ohms Ohms Ohms  
40,000 140,000 450,000  
50,000 150,000 500,000  
55,000 160,000 750,000  
60,000 180,000 1,000,000  
72,000 200,000 1,250,000  
75,000 225,000 1,500,000  
88,000 250,000 2,000,000  
93,000 260,000 2,500,000  
88,000 250,000 3,500,000  
120,000 350,000 5,000,000  
130,000 400,000 10,000,000  
XY20139—Any Size Your Cost Each..... **5¢**  
Per Doz.....50c

## 5000 Ohm 10 Watt Resistor

Vitreous enameled resistors. Tinned lugs.  
XE4891—Your Cost..... **10¢**



## Full Vision Dial

5" high, 3" wide. For 1/2" shaft. Knob shaft 1 1/2" x 11". Celluloid scale 100-0 counter-clockwise. Shpg. wt. 1 lb.  
XH9815—With Escutcheon Your Cost Each..... **49¢**



## Genuine Tungar Charger



**Special \$9.95**

Genuine GE Tungar 12 Ampere Charger. Will charge 2 to 4 6-volt batteries simultaneously. Uses two 6 ampere bulbs. Pressed steel case finished in green lacquer. Westinghouse meter. Shpg. wt. 38 lbs. List \$120.00  
XP15696—Charger less bulbs. Your Cost **\$9.95**  
Special.....  
XZ21904—Six ampere GE Tungar Bulb. Your Cost Special... **\$5.45**

## Rods and Tubing

XM13160—Hard Rubber Rod  
1/2" —per ft..... \$0.25  
1" —per ft..... .35  
1 1/2" —per ft..... .58  
XM13161—Bakelite Tubing  
1/2" —per ft..... .12  
1" —per ft..... .18

## YAXLEY Relays



Series type to be used in series with feed line of some instrument in order to turn on an auxiliary circuit. Will close with a current as small as 60 Ma. but will carry up to 2 1/2 amps. making it suitable for turning on "B" supplies when used in series with auto receivers. Multiple type is to be connected across 6-8 V. line. Contacts will carry 100 watts at low voltage. Shpg. wt. 3 lbs.

XF6418—Series Type **75¢**  
Your Cost Special.....  
XF6419—Multiple Type **95¢**  
Your Cost Special.....

## Handy Scratch Remover



For removing marks and scratches from furniture. Just a touch of the stain with the brush and the blemish disappears. With reasonable care, the Handy Scratch Remover will last for years. Furnished in durable container. Shpg. wt. 1 lb.  
XP15520—Your Cost Each..... **27¢**

## RCA Intermediates

Radiolas 60, 62, 64, and 66



Here is the genuine "I.F." Transformer for the Radiola Models, each has been peaked at its correct frequency at the RCA factory. Shpg. wt. 8 oz.

**For Radiola Models 60, 62, 64**  
1st, 2nd 3rd, "I.F." Transformer. (RCA No. 8342.)  
XC2164—Your Cost **\$1.19**  
Each.....

**For Model 66**  
1st and 2nd "I.F." Transformer. (RCA No. 8481.)  
XC2165—Your Cost Each... **\$1.25**

**3rd "I.F." Transformer.** (RCA No. 8482.)  
XC2166—Your Cost..... **\$1.69**

**For Model 67**  
1st Intermediate Stage. (RCA 8481.)  
XC2165—Your Cost..... **\$1.25**

**3rd Intermediate Stage.** (RCA 8500.)  
XC2162—Your Cost..... **\$1.69**

## VICTOR Speaker Plug



Used on the Victor speaker, for Set Models R-32, RE-45, R-52, RE-75. Heavy plated contact prongs, molded in genuine bakelite. Equipped with a metal guard. Shpg. wt. 8 oz.  
XW19223—Your Cost Each..... **9¢**

## VICTOR Female Receptacle



Used on the Victor amplifier, for Models R-32, RE-45, R-52, RE-75. Equipped with sixteen heavy duty plated positive contact springs. Genuine molded bakelite form. Four isolated contact springs for use of speaker. Other twelve springs are for plate and filament voltages for receiver.  
XW19222—Your Cost... **45¢**

## RADIOLA Speaker Filter

RCA Part No. 5853 designed to emphasize the high notes in Model 100B and 103 speakers.  
XW1945—Your Cost... **20¢**





# AMPLIFIERS and SPEAKERS

---priced for immediate clearance  
QUANTITY LIMITED

## Single 250 Photophone Amplifier and Speaker



An amazingly powerful single 250 Amplifier designed and built to exacting standards by RCA-Victor. A single 26 feeds a single 250 tube in a carefully designed circuit that assures an excellent frequency response throughout the tonal range. Plate current for the tubes and the field of the 105 RCA-Photophone Dynamic Speaker is supplied by a pair of 281 tubes in a full wave rectifying circuit. An undistorted output of 5 watts is sufficient for gatherings of from 500 to 1000 persons. An excellent amplifier for public address systems and phonograph pick-up reproduction. RCA Model AP-736 (SPU 24). The amplifier is so arranged that connection can be made to the output of the first stage if desired. An input transformer is part of the amplifier and will match a low impedance pick-up or can be attached to the output of a tuner.

Shpg. wt. 66 lbs.  
XP15732—Single 250 Amplifier only, less speaker and tubes. **\$8.45**  
Your Cost .....

## THORDARSON "250" Amplifier and Self-Contained "B" Supply



It can be used as a public address amplifier for small installations; it can be used to electrify old battery sets or to modernize obsolete electric sets; it is ideal for use as a phonograph amplifier or for a replacement power pack. The circuit employs 1-27, 1-50 and 2-81 tubes. The 27 is transformer coupled to the 50 tube with a resultant power output of 4.6 watts. The 2-81's, in a full wave rectifier circuit, provide ample plate current. Provision is made in the amplifier to supply the necessary field excitation for any 2500 ohm D. C. speaker.

All connections are brought out to a terminal board mounted over the power transformer. These taps are in the form of screw terminals for solderless connections. Voltage taps are at 150, 125, 112, 90, 67 and 45 volts.

Other features include a pressed steel chassis; overrated parts conservatively rated to withstand great overloads; a safety switch protective line fuse. A 4 and a 5 prong adapter are supplied for easy connection to the detector circuit of any tuner. Full instructions included. Shpg. wt. 25 lbs.

XP15750—Thordarson Model T-3715 Amplifier. **\$6.95**  
List Price \$89.50  
Your Cost Special .....

## SPARTON Replacement Speaker

A new improved speaker designed for replacing the old speakers in Sparton receivers. Greatly improve the performance of these sets. Can also be used in other receivers or with amplifiers. D.C. field has a resistance of 2000 ohms. Voice coil impedance is 8-12 ohms. Cone diameter 8 1/2". Shpg. wt. 11 lbs.

XW19399—**\$2.25**  
Your Cost Special .....



## C-H Radio Outlet

Can be used as aerial and ground outlet or as speaker outlet. Standard equipment in many apartment houses, hotels, etc. Plate of brass in brushed finish. Jack nickel-plated finish. Fits standard outlet box. Shpg. wt. 1 lb.

XM13232—**10¢**  
Your Cost Special .....



## Super Silver Cone Unit

A real powerful highly sensitive double coil balanced armature magnetic speaker unit. Excellent for replacement purposes in any magnetic speaker. Can also be used to build sound operated toys such as dancing dolls, etc. Shpg. wt. 4 lbs.



XW19228—**29¢**  
Your Cost Special .....

## Genuine Magnavox Speakers 8" Models

The ideal speaker for the set builder. All original Magnavox and brand new and guaranteed. Diameter 8". Various field resistances and transformers as listed below. Shpg. wt. 1 lb.

650 Ohm Field XW19377—P.P. Pentode.  
XW19378—Parallel Pentode.  
XW19379—P.P. 45, 50, 71A.  
XW19380—P.P. 45 Class B.  
XW19366—P.P. 45, 50, 71A.  
XW19384—P.P. 45 Class B.  
XW19381—P.P. Pentode.

2000 Ohm Field XW19382—S. 90° Pentode.  
XW19383—Parallel Pentode.  
2300 Ohm Field XW19385—P.P. 45, 50, 71A.  
XW19386—P.P. 45 Class B.  
2500 Ohm Field XW19368—P.P. 45, 50, 71A.  
XW19387—P.P. 45 Class B.  
Your Cost Special, **\$2.75**  
Any of the Above Types .....



## CLARION 6 1/2" Dynamic Speaker

The genuine Clarion speaker used in the Model 220 receivers. Can also be used in other receivers. Has 1500 ohm field and a voice coil impedance of 6-8 ohms. This model is equipped with a hum bucking coil and provides excellent tone quality. Shpg. wt. 4 lbs.

XW19114—**\$1.75**  
Your Cost Special .....



## CROSLEY Speakers

A special purchase makes possible these exceptionally fine values in high quality loudspeakers. Type 241 illustrated at the right is an 11" speaker with a special Birtex cone, an output transformer for a single 27 or similar impedance tube. Field resistance 900 ohms. Shpg. wt. 22 lbs.

XW19398—**\$2.25**  
Your Cost Special .....

Type 243 is the same as the above but has an 800 ohm field and a push-pull output transformer suitable for 171-A, 245 and similar type tubes. Shpg. wt. 18 lbs.

XW19390—Your Cost Special **\$2.25**



## Gloritone 6 1/2" Speaker

Replacement speaker for the Gloritone receiver. Has 11,500 ohm field tapped at 9040 ohms. Equipped with transformer for single 45 tube, 6 1/2" diameter. Shpg. wt. 8 lbs.

XW19123—**\$3.25**  
Special .....

XW19112—Same 8 1/2" diameter **\$3.75**  
Your Cost Special .....



## Speaker Grille Cloth

Fine quality brown ornamental cloth for use behind speaker grills. 11x12". Shpg. wt. 8 ozs.

XW19609—**19¢**  
Your Cost .....



## DYNACONE Speaker

Illustrated at the left is the 6 volt Dynacone model for operation from a 6 volt battery. Equipped with transformer suitable for 71A and similar output tubes. Shpg. wt. 12 lbs.

XW19389—**95¢**  
Your Cost Special .....



## Special 9 1/2" Dynamic

A fine quality speaker that will afford excellent tone quality and frequency response. Supplied with either 1000, 1800 or 2500 ohm field. Transformer supplied for single or P. P. 45, 46, 47, 43, 2A5, 2A5, 59, 79, or 50 output tubes. Specify Type Transformer and Field Coil when ordering. Shpg. wt. 5 lbs.

XW19120—9 1/2" Dynamic Speaker **\$2.45**  
Your Cost Special .....



## HUBBELL Cord Receptacle

10 amp., 250 v., 1 1/2" dia., 1 1/2" long. Composition. XM13311—**12¢**  
Your Cost Each .....







# Bargains

## QUANTITY LIMITED



### Tone Controls for RCA-VICTOR

For Models R-32, R-52, RE-45, RE-75  
Genuine RCA-Victor Part No. 10408, for the above model sets. Has resistance of 1 megohm. Has slotted shaft for screw-driver control.  
XG8343—  
Your Cost Each **19<sup>9</sup>**

### For Models R-7, R-9, R-10 D.C., R-7 D.C. and R-9 D.C.

Genuine RCA Part No. 2996 for the above model receivers. Resistance 500,000 ohms. Bradley control. Can be used in any receiver.  
Shpg. wt. 1 lb.  
XG8344—  
Your Cost Each **29<sup>c</sup>**

### STEINITE Voltage Divider

22,440 ohms, tapped at 10,000-2,440.  
XX20604—Each **15<sup>c</sup>**

### 465 K. C. Midget I. F. Transformers

XH10150—Midget double tuned I.F. Transformer. Compact type used in most late type receivers. Dimensions 1 1/2" diameter, 2 3/4" high. New alloy shield. Due to precision winding, these units provide exceptionally high gain. Trimmer condensers have genuine isolantite bases, and are tuned from the top of the assembly.  
Shpg. wt. 1 lb.  
XH10151—The model illustrated at the right is similar to the above but is 1 1/2" in diameter and 3" high. This model is used in larger receivers and is particularly suitable for all-wave and short-wave receivers. Shpg. wt. 1 lb.  
Your Cost, Special, Either Type... **49<sup>c</sup>**

### CROSLLEY Transformers

**Power Transformer**  
For Model **704-A**

Crosley Part No. 4905. Shielded in metal case. May also be used in other sets using 4-26s; 1-27; 2-71A's; 1-80. Size, 4x4x4 1/2" high. Shpg. wt. 9 lbs.  
XC1886—  
Your Cost Each **\$1.95**

**Model 704**  
Crosley Part No. 4715—4816. Identical in appearance with above transformer. 4-26s, 1-27, 1-71 and 1-80. Size 4 1/2 x 4 1/2 x 1/2" high. Shpg. wt. 10 lbs.  
XC1887—  
Your Cost Each **\$1.95**

## SPECIAL *Readrite* METER BARGAINS



**Model 405 Tube Checker**  
Tests all four and five-prong tubes, including pentodes, without adapters. Connects to A.C. supply line. Easy to operate. Separate button provides for testing second plate of '80 tubes. Meter protected by fuse. Uses mutual conductance test on all tubes. In leatherette case—10 1/2 x 4 1/2". Full instructions included. For 60-cycle A.C. Shpg. wt. 7 lbs.  
XK10984—  
Your Cost **\$8.95**

### READRITE Portable Meters

[Quantity Limited]  
These portable meters are available in several different types. Although superseded by later models in the Readrite line, they are extremely useful in all types of service work. All A.C. meters are of the repulsion type, and provide extreme accuracy. Have resistance up to 100 ohms per volt. The D.C. meters are of the polarized vane solenoid type, and contain resistance up to 300 ohms per volt. Quantities are very limited. Average shpg. wt. 3 lbs.

D. C. Milliammeters			
Stock No.	M.A.	List	Cost
XK11126	0-25	\$3.00	<b>\$1.20</b>
XK11127	0-100	3.00	
XK11128	0-200	3.00	
XK11129	0-400	3.00	

A.C. Milliammeters			
Stock No.	M.A.	List	Cost
XK11138	0-25	\$3.00	<b>\$1.20</b>
XK11139	0-50	3.00	
XK11140	0-100	3.00	
XK11141	0-250	3.00	
XK11142	0-500	3.00	

D. C. Voltmeters			
(300 ohms per volt—3" case)			
Stock No.	Volts	List	Cost
XK11122	0-300	\$4.50	<b>\$1.80</b>

A.C. Voltmeters			
(100 ohms per volt)			
Stock No.	Volts	List	Cost
XK11136	0-600	\$6.00	<b>\$2.40</b>

D.C. Ammeters			
Stock No.	Amps	List	Cost
XK11130	0-1	\$3.00	<b>\$1.20</b>
XK11131	0-5	3.00	

### RCA Output Transformer

Genuine RCA Part No. GW159. To match single 250, 5 or 71A tube to a 15-ohm voice coil. Used originally in photophone equipment. Provides excellent tone quality. In metal container, size 6x3 1/2 x 2 1/2". Large solder lug terminals. Shpg. wt. 6 lbs.  
XC2379—  
Your Cost Each **39<sup>c</sup>**

### SILVER-MARSHALL Power Transformer

A general replacement power transformer that can be used in over 100 types of receivers. Primary: 110-115 volts, 50-60 cycles; Secondaries: 1.5 volts at 6 amperes (for 5 type 26's); 2.5 volts at 6 amperes (for 3 type 24's, 27's, 35's or 6 type 56's, 57's or 58's); 2.5 volts at 3 amperes (for 2 type 45's or 47's); 5 volts at 2 amperes (for 80 rectifier). High voltage winding delivers 550 volts C.T. at 70 M.A. Shpg. wt. 7 lbs.  
XC2422—  
Your Cost, Special... **\$1.15**

### GENERAL MOTORS Tone Control

The original Allen Bradley tone control used in the following chassis: 120, 130, 140, 150 and 160. Has total resistance of 1 megohm. General Motors Part No. 120197. Has long shaft and takes screw type knob. 3/8" bushing mounts through 1/2" panel. Can also be used for other sets. Shpg. wt. 1 lb.  
XH9058—  
Your Cost Each **49<sup>c</sup>**

### Analyzer Knobs

XM13055—Type A  
2 1/2" long **10<sup>c</sup>**  
Each.  
XM13056—Type A  
1 1/2" long **9<sup>c</sup>**  
Each.  
XM13054—  
Type B **13<sup>c</sup>**  
Each.

### FARADON Noise and Interference Filter

High capacity filters for use on A.C. or D.C. 110-220-volt lines. May be connected across lines directly at source of interference.

One of these units and two rolls of bell wire are all that is necessary to make a fine line filter for any radio set. Two sizes: for devices up to 1/2 H.P., 2-5 mid., and for devices above 1/2 H.P., 2-10 mid. Shpg. wt. 4 lbs.  
XB552—Under 1/2 H.P. **75<sup>c</sup>**  
Your Cost.  
XB553—Above 1/2 H.P. **95<sup>c</sup>**  
Your Cost.

### 30 Henry - 50 Ma. Filter Choke

Open frame type choke. Inductance 30 henries. Current carrying capacity 50 milliamperes. D.C. resistance 450 ohms. 6" leads. Size 2 1/2 x 1 1/2 x 2 1/2" high. Ideal for midget receivers. Shpg. wt. 3 lbs.  
XA246—  
Your Cost, Special... **39<sup>c</sup>**

### Bargains in Oversize Audios

Oversize fine quality audios at exceptionally low prices. Many old type receivers can be greatly improved by installing these large transformers. Two types available—Straight Audio and Push-Pull Input. Suitable for use in radio receivers or power amplifiers. Size 2 1/2 x 2 1/2 x 3 1/2" high. Shpg. wt. 2 lbs.  
XC1932—  
Push-Pull Input. **89<sup>c</sup>**  
Your Cost, Special...  
XC1913—Straight Audio similar to above ratio 3:1. **59<sup>c</sup>**  
Your Cost, Special...

Base mounting type with screw terminals. This type is excellent for use in experimental breadboard mounting on top of chassis work. Two types available—audio and push-pull input. This is an oversize transformer with a large core and provides excellent frequency response over the audio range. Shpg. wt. 2 lbs.  
XC1840—  
Push-Pull Input. **98<sup>c</sup>**  
Your Cost.  
XC1841—Straight Audio as above ratio 3:1. **79<sup>c</sup>**  
Your Cost Each.

We Will Not Knowingly Be Undersold

World Radio History

# BARGAINS!

QUANTITY LIMITED

## Power and Super-Power Clarostats



Power and Super-Power Clarostats are heavy-duty variable resistors for radio power units, transmitters, or general electrical applications. The power Clarostats will

handle 80 watts, the Super-Power will carry 250 watts. Both types can be mounted in single panel hole.

### Power Clarostats

Stock No. **XF6831**  
Resistance Range in Ohms  $\frac{1}{2}$  to 10  
**XF6832** 25 to 500  
**XF6833** 200 to 100,000  
List \$3.50.  
**Your Cost Each..... \$2.05**

### Super-Power Clarostats

**XF6834**  $\frac{1}{2}$  to 10  
**XF6835** 25 to 500  
**XF6836** 200 to 100,000  
List \$6.00  
**Your Cost Each..... \$3.50**

## Dual .1 Condenser



Fully cased in metal container. Single common lead for both sections. 200 volts D.C. working voltage. Used in early Zenith sets, Part No. 22-69. Long leads. Shpg. wt. 1 lb.  
**XB752—**  
**Your Cost Each..... 9¢**

## .1 Mfd. Cased By-Pass Condenser



Metal cased lug mounting type .1 mfd. by-pass rated at 200 volts. Shpg. wt. 1 lb.  
**XB461—**  
**Special..... 7¢**

## Trimmer Condenser



RCA Part No. 7114, capacity 5—15 mfd. Used in the Radiola 42, 48, etc. A fine trimmer condenser that

can be used for practically any purpose that condensers of this type are commonly used for. Has high quality ceramic insulation and finest grade ruby mica dielectric. Shpg. wt. 1 lb.  
**XH8529—**  
**Your Cost Special..... 19¢**

## HAMMERSLUND Double I. F. Tuning Condensers



These double trimmer condensers are used to tune I.F. stages to the same frequency so that maximum signal response and sensitivity can be obtained. Have Isolantite tops,  $1\frac{1}{2}$ " in diameter for a 2" shield. Capacity range 10 mmf. minimum to 70 mmf. maximum.  
**XH8533—Your Cost Each..... \$0.25**

## CUTLER-HAMMER Power Switches S.P.S.T.

Single circuit toggle switch. Rated 10 amps. at 125 volts. For heavy duty work. Used on motors up to 1 H.P.  
**XM12813**  
**Your Cost Each..... 25¢**



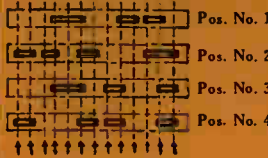
**Double Pole—Single Throw** Same rating as the above. Makes and breaks two circuits.  
**XM12814**  
**Your Cost Each..... 39¢**

## H. H. Rotary Switch with Knob



Rated 3 amps. at 250 volts.  $\frac{1}{8}$ " shaft extends  $1\frac{3}{4}$ " through panel. Complete with bakelite knob. Knob has brass bushing. At this low price you should stock a few.  
**XM12819—**  
**Your Cost Each..... 19¢**

## 13 Contact Switch



Used in RCA Model RE-57 combination. Rectangles in the schematic diagram above denote connections that are tied together when the switch is in the respective positions as shown. Contacts and contact points of phosphor bronze. Housed in heavy metal shell with a mica cover. Controlled by knob. Can be used in many ways in conjunction with transmitters to change from phone to key, one power supply to another, etc. Shpg. wt. 2 lbs.  
**XM12856**  
**Your Cost, Special..... 75¢**

## Moulded Rubber Trouble Lamp



This unit is ideal for use by the auto radio set installer. Also finds many uses in the garage, workshop, machine shop, etc. A single piece of solid moulded rubber comprises the handle and socket with built-in switch. A hinged lamp guard protects the lamp. Equipped with 20 ft. rubber covered cord and rubber plug. Shpg. wt. 5 lbs.  
**XP15519—**  
**Your Cost, Special..... 98¢**

## Special Bargain! Na-Aid Sockets



Never before such a buy as this! Genuine Na-Aid brown bakelite sockets at a price that is almost unbelievable! Standard sub-panel type for use in radio

receivers, testers, etc. Panel hole  $1\frac{1}{2}$ " Mtg. holes  $1\frac{1}{32}$ ".

Stock No. **XX11681** 4  
**XX11682** 5  
**XX11683** 6  
**XX11684** 7 large  
**Your Cost Any Type..... 9¢**

## Bakelite Terminal Plates

Genuine brown bakelite. Drilled for terminals.  $\frac{1}{16}$ " thick.  $2\frac{1}{2}$ " wide by  $3\frac{1}{2}$ " long.  
**XP15009—**  
**Each..... 2¢**  
**12 for..... \$0.15**



## CARTER Jacks



Type 103. Three springs; two open circuits closed when plug inserted. Fil. control.  
**XF6282—**  
**Your Cost Each..... 10¢**

## GENERAL MOTORS Voltage Divider

For Model A, chassis 120, 130, 140, 150, 160. 5200 ohms tapped at 460-2000-1700-240-800 ohms. Part No. 1201395.  
**XX20393—**  
**Your Cost Each..... 69¢**



## AEROVOX Special Condenser Bargains

### Electrolytic Condensers

These high voltage filters are housed in drawn aluminum cans; and may be mounted in any position. Have Peak voltage of 500 volts D.C.; working voltage 450 volts D.C. Only two types.

Stock No.	Cap. Mfd.	Size L	D	Your Cost
XD3503	8	4 $\frac{1}{2}$ "	1 $\frac{3}{8}$ "	\$0.45
XD3538	2-8-16	4 $\frac{1}{2}$ "	3 $\frac{1}{8}$ "	.98

### Genuine ATWATER KENT Condensers

The genuine condensers used in Atwater Kent receivers.

Stock No.	A.K. No.	Part No.	Your Cost Each, Any Type
XB1428	15262	H1, B1, H9, H20	10¢
XB1425	15263	H2, B2	
XB1431	16461	H6	
XB1432	16828	B5	
XB1433	15158		
XB1436	21430	H39	
XB1437	16318	B4	
XB1438	16233	H4, H10	
XB1439	15780	H7	
XB1440	21180	H38	
XB1441	15640	H16	

### Mica Condensers



Type 1450. 5000-volt working voltage. Fine ruby mica dielectric. Moulded bakelite shells. Only sizes listed are available.

Stock No.	Cap. Mfd.	List Price	Your Cost Each
XD3893	.00003	\$0.25	10¢
XD3894	.0008	.25	
XD3895	.0007	.25	
XD3896	.0004	.25	
XD3851	.00025	.25	
XD3848	.0001	.25	

**XD3854** .001 .30 12¢

### POLYMET Uncased Replacement Sections

Impregnated in moisture-proof pitch and provided with long insulated leads. All conservatively rated. Used extensively to replace defective sections of condenser blocks. 1 mfd. condenser  $4\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ "; 4 mfd. condenser  $2\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ ". Only two sizes available

Stock No.	Cap. Mfd.	Wkg. Volts	Your Cost
XB721	1	400	\$0.75
XB722	1	1000	.49

## APLIX Grid-Denser

A very compact .005 mfd. trimmer condenser mounted in a moulded case and equipped with binding posts. Very handy for temporary or permanent use in receivers, etc. Shpg. wt. 1 lb.  
**XH9738—**  
**Your Cost Special..... 19¢**

## POTTER By-Pass Condensers .15 Mfd.

Used in early Zenith sets. Part No. 22-67. 200 volts D.C. working voltage. In metal container with long leads.  
**XB750—**  
**Your Cost Each..... 8¢**

## .1 Mfd. By-Pass Condensers

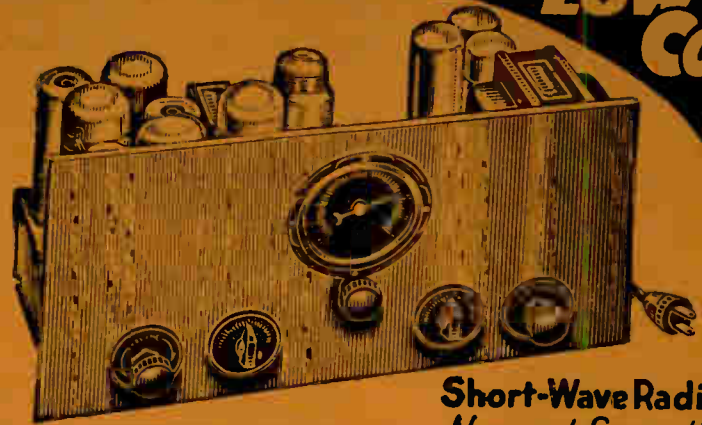
Similar in appearance to the above. Zenith Part No. 22-63. 200 volts D.C. working volts.  
**XB751—**  
**Your Cost Each..... 8¢**

## STROMBERG-CARLSON 2 Mfd. Condensers

The original Stromberg Part No. P15075. Used in early model receivers. Working voltage 400 volts D.C. In metal container  $4\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}$ ". Solder lug terminals. Can be used in general repair work as filter or by-pass condenser.  
Shpg. wt. 1 lb.  
**XB730—**  
**Your Cost Each..... 25¢**

# NOW you can build your own ALL-WAVE SUPERHETERODYNE at Low Cost

A PROFESSIONAL  
Type Short-Wave Set  
Using Standard Parts  
Produced by America's  
**8 LEADING SHORT-  
WAVE EQUIPMENT  
MANUFACTURERS**



Short-Wave Radio's  
Newest Sensation  
**RECEIVER**

The **ALL-STAR**  
ALL-WAVE Superheterodyne

These Features Guarantee  
reception from every  
foreign continent

- ★ **CONTINUOUS BAND-SPREAD**—Over entire tuning range; affords easy separation of all stations, making possible the reception of hundreds of weaker distant stations covered up by European and American stations on the ordinary set.
- ★ **10 to 500 METER TUNING RANGE**—Continuous without any skips. Covers new 2-way 10 meter police band.
- ★ **6-TUBE SUPERHETERODYNE CIRCUIT**—2A7 oscillator and first detector, 58 first i. f., 58 second i. f., 56 second detector, 2A5 power output pentode, and 80 rectifier.
- ★ **PRE-ADJUSTED COILS**—Oscillator and i. f. coils are pre-set eliminating all difficult adjustments or need for test instruments.
- ★ **Airplane type tuning dial, tone control, Eraydo silver finished front panel and sub-base, built-in power supply for all A. C. operation, and countless other features are described in the FREE booklet. Write today.**

A revolutionary ideal The newest and best short-wave development from the laboratories of EIGHT great radio manufacturers—gathered together in the design of this ALL-STAR Receiver. Think of it!—Treasured secrets, usually carefully guarded, all offered without stint—to bring you a radically better receiver—a set that assures unequalled **WORLD-WIDE RECEPTION** thrills. You would expect such a sensational development to be costly, but the huge manufacturing facilities of these EIGHT leaders and remarkable design

have made possible this extremely low cost receiver.

The ALL-STAR ALL-WAVE Superheterodyne is yours for the price of the parts alone—and a few hours of interesting construction. Just mount the parts in place on the already drilled panel. Wire according to the carefully worked out directions—and England, France, Germany, Italy, Russia, Australia, and South America will be waiting on your dial. Write today for the FREE diagram and parts list.

## Complete List of Parts, With Net Prices, For All-Star Receiver

### THORDARSON Electric Mfg. Co.

Stock No.	Part No.	No. Req.	Description of Part	List Price	Your Cost Each
XA261	T-5602	1	Power Transformer	\$4.25	\$2.50
XA289	T-5753	1	Choke	2.00	1.18
XA268	T-5738	1	Audio Transformer	3.25	1.90

### MEISSNER Mfg. Co.

XH9960	D1995	4	16 MH R. F. Chokes	\$0.45	\$0.26
XH9961	.....	1	First, Second and Third I. F. Transformers and adjusting wrench, in kit	6.00	3.53
XH9962	D3340	1	20 meter Ant. Coil	.50	.29
XH9963	D3339	1	20 meter Osc. Coil	.50	.29
XH9964	D3336	1	40 meter Ant. Coil	.50	.29
XH9965	D3335	1	40 meter Osc. Coil	.50	.29
XH9966	D3337	1	80 meter Ant. Coil	.50	.29
XH9967	D3338	1	80 meter Osc. Coil	.50	.29

### CORNELL DUBILIER Corporation

XD4185	BA2100	10	.1 Mfd.—200 v. Cond.	\$0.25	\$0.15
XD4186	DA4100	2	1. Mfd.—400 v. Cond.	1.00	.59
XD3678	2-W	1	.0001 Mfd. Mica	.15	.09
XD3680	2-W	1	.0005 Mfd. Mica	.20	.12
XD4187	BA6030	1	.003 Mfd. Paper Cond.	.20	.12
XD3643	EB9080	3	8 Mfd. Elec. Cond.	1.25	.63
XD4188	BA6100	1	.01 Mfd. Mica	.25	.15

### HAMMERLUND Mfg. Co.

Stock No.	Part No.	No. Req.	Description of Part	List Price	Your Cost Each
XH8486	SM-140	2	Star Var. Cond.	\$1.25	\$0.73
XH8490	MCD-35X 1	1	Dual Var. Cond.	3.50	2.06

### ELECTRAD, Incorporated

XG7898	573	1	10,000 ohm Potentiometer	\$1.00	\$0.59
XG7899	242P	1	100,000 ohm Potentiometer	1.35	.79

### CROWE Name Plate and Mfg. Co.

XH9913	123	1	Airplane Dial Complete with Socket and Escutcheon	\$3.00	\$1.76
XH9914	25	1	Volume Control Name Plate	.12	.07
XH9915	26	1	Tone Control Name Plate	.12	.07
XH9916	27	1	Oscillator Cond. Name Plate	.12	.07
XH9917	28	1	Detector Cond. Name Plate	.12	.07

### BELDEN Mfg. Co.

XQ16251	8915	1	Short-Wave Antenna Kit	\$5.00	\$2.84
XQ16252	8942	1	Hook-up Wire	.38	.23
XQ16253	1725	1	Power Supply Cord with Soft Rubber Plug	.35	.21
XQ16254	8885	1	6" Shielded Lead Wire	.01	.01

### OHMITE Mfg. Co.

1—Wirewatt 500 ohm resistor	2—Wirewatt 1,000 ohm resistors
3—Wirewatt 5,000 ohm resistors	2—Wirewatt 10,000 ohm resistors
1—Wirewatt 25,000 ohm resistor	1—Carbohm 50,000 ohm resistor
1—Red Devil 500 ohm resistor	1—25,000 ohm Dividohm (0585)

2—Adjustable lugs (0358)  
XH4428—Complete Kit. List \$4.20  
**Your Cost \$2.47**  
XY22199—Complete Kit of Parts for "ALL-STAR" Kit. List \$56.52  
**Your Cost \$32.14**  
XM12866—Chassis with all Cut-Outs. List \$5.00. **Your Cost \$2.52**

★ CONTINUOUS BAND-SPREAD ★  
**ALL-STAR**  
ALL-WAVE Superheterodyne  
World Radio History

# Lost in Minute SPECIALS

## I. C. A. Headphone Adapters



Designed for use with any set using 4, 5 or 6 prong output tubes. Provided with 3 ft. of cable connected to box having a D.P.D.T. toggle switch. The switch connects the phones in grid circuit and at the same time cuts off the speaker in the receiver. No wiring necessary. Available for sets using single or P.P. output tubes. Shpg. wt. 3 lbs.

**For Single Output Tubes**  
(Uses One Adapter)  
Stock No. Prongs Your Cost  
XK11720 4 \$1.47  
XK11721 5  
XK11722 6

**For P. P. Output Tubes**  
(Uses Two Adapters)  
Stock No. Prongs Your Cost  
XK11723 4 \$2.05  
XK11724 5  
XK11725 6

## New! PEAK Pre-Selector

Just what the "Ham" and the short wavelistener have been waiting for; a consistently efficient "signal booster." This unit, using two stages of high gain '58 tubes, increases the signal input to any short wave receiver, be it TRF, superhet, or autodyne, and invariably boosts weak signals to R9 or R9 plus. The first stage is electron coupled regenerative, lending greatly to stability in operation. The regenerative control is variable to obtain maximum overall gain.



Five major results are obtained from the use of the Pre-Selector. These are: first, tremendous increase in signal gain; second, consequent increase in sensitivity; third, absolute rejection of image or repeat spots; fourth, considerable increase in selectivity; fifth, reduction of noise to signal ratio. Pre-Selector uses built-in coils covering from 14 to 200 meters. Ranges are selected by means of a selector switch. The tuning dial is of the popular airplane type, with black background and white figures and pointer. Escutcheon is oxidized silver. Unit contains its own filament supply; installation consists of connecting output to "Ant" and "Grid" of receiver, and connecting to B plus and ground for necessary plate supply. All connections made to terminal strip on rear of chassis. Entire unit housed in heavy gauge steel cabinet finished in black crackle. Size 7 1/2 x 9 1/4 x 10". Shpg. wt. 15 lbs.

XN13760—Peak Pre-Selector, complete less tubes \$19.80  
Your Cost.....  
Lafayette Tubes for above. Your Cost..... \$1.44

## NATIONAL Screen Grid Coupler

Type S-101—Used in SW3, SW5, and SW6. Used to couple the output of a screen grid tube to an audio amplifier tube. Will give from two to three times the amplification of resistance coupling. Response uniform between 75 and 5000 cycles. Choke 700 Henries; coupling condenser .01 mfd.; grid leak 250,000 ohms. Fully shielded in metal case. Leads marked. Shpg. wt. 3 lbs. \$3.30  
XN14509  
Your Cost Each.....



**S-51 Input Transformer**  
Similar in appearance to the above. P.P. input transformer used in the SW58. Single plate to two grids. Ratio 2.5:1. Shpg. wt. 3 lbs. \$3.30  
XN14507—List \$5.50  
Your Cost Each.....

**S-11 Output Transformer**  
Similar in appearance to the above units. Matches P.P. 45's, 71A's, or 50's to a 5-15 ohm voice coil. Used in the SW58. Shpg. wt. 3 lbs. \$3.30  
XN14508—List \$5.50  
Your Cost Each.....

## Special! JENSEN Ortho-Dynamic Reproducer



These famous electro-dynamic speakers are being offered at a special bargain price. All are brand new and guaranteed. Have 12 cones. Field coil resistance 800 ohms; voice coil impedance 5.4 ohms. Come completely equipped with output transformer to match P.P. 45's, 50's or 71A's. Will handle 12 watts continuously, with peak input of 18 watts. Frequency response essentially flat from 30 to 5500 cycles. Quantity limited. Only this one type is available. Finished in black and aluminum. Shpg. wt. 25 lbs. \$14.95  
XW19253—Your Cost, Special.....

## Genuine CROSLY Filter Condensers



The genuine Crosley electrolytic filter condensers for late model receivers. All are brand new and guaranteed to be perfect. Average shpg. wt. 1 lb.

**For Model 173**  
Original Crosley part No. W-30124. Three sections: 8 mfd., 125 volts; 16 mfd., 125 volts; 16 mfd., 100 volts. \$98c  
XB502—Your Cost Each.....

**For Model 159**  
Original part No. W-29012. Two sections: 12 mfd., 40 volts; 2.5 mfd. at 80 volts A.C. \$59c  
XB503—Your Cost Each.....

**For Models 167, 169, 179**  
Original part No. W-29150. Three sections: 7 mfd., 450 volts; 6 mfd., 400 volts; 8 mfd., 25 volts. \$85c  
XB504—Your Cost Each.....

**For Model 184**  
Original part No. W-30059. Three sections: 8 mfd., 450 volts; 8 mfd., 450 volts; 8 mfd., 250 volts. \$1.10  
XB505—Your Cost Each.....

## AMERICAN Microphones Type "EL"



This model is a two button (200 ohm) carbon microphone with a stretched .002" duralumin diaphragm. Bright nickel finish. 2 3/8" in diameter, 1 1/8" thick. Shpg. wt. 2 lbs.

XM13518—List \$10.00  
Your Cost..... \$4.90

## Type "CD"



A two button microphone with a frequency response from 50 to 4200 c.p.s. Has 24 K. gold spot on duralumin diaphragm. 290 ohms per button. Ideal for either P. A. or amateur work. Bright nickel finish. Shpg. wt. 4 lbs. \$11.25  
XM13519—List \$23.00  
Your Cost.....

## BMS Microphones Studio Model



A real microphone for home broadcasting. Not a toy. Very easily attached to your radio. Will not interfere with its operation. Has sliding switch to cut microphone in and out of the circuit. Attractively finished. Complete instructions included. Shpg. wt. 2 lbs. \$88c  
XM13380—Your Cost.....

## Junior Model



Similar to the studio model, but in a differently designed case and with a push button instead of a sliding switch. Complete with instructions. Shpg. wt. 2 lbs. \$58c  
XM13379—Your Cost.....

## PIONEER "Gen-E-Motor" Converters Complete with Filter



A new line of low priced D. C. to A. C. converters incorporating many improved features. These include: Ball bearing motor, no oiling necessary; good regulation of output voltage; extremely quiet operation; lasting performance due to quality construction. All furnished complete with efficient radio noise filter. Sizes other than those listed can be procured—prices on request. Average shpg. wt. 25 lbs.

Stock No.	Output Watts	Input Amps	Your Cost
XS17200	80	4.7	\$24.40
XS17201	110	5.6	26.43
XS17202	150	7.8	29.37
XS17203	200	10.0	35.25

Stock No.	Output Watts	Input Amps	Your Cost
XS17204	80	1.30	\$24.40
XS17205	110	1.78	26.43
XS17206	150	2.23	29.37
XS17207	200	2.80	35.25

## Lafayette Power Supply

### For Use With Tuners

A high quality power supply designed for use in conjunction with radio tuners. Delivers 275 volts at 50 milliamperes (max.). Scientifically designed circuit provides extremely good regulation and filtering. Has variable voltage taps for selecting any desired voltage for various types of tuners. Filtering accomplished by the use of two oversized filter chokes and three 8 microfarad condensers. An 80 rectifier tube is used. Entire assembly housed in a heavy gauge metal chassis finished in crystalline lacquer. All parts protected by means of a perforated metal screen, presenting an overall professional appearance. Line switch and pilot light included in the unit. Size 8 1/2 x 6 1/2 x 7 1/2". Shpg. wt. 15 lbs. \$9.95  
XP15915—Lafayette Power Supply, Complete with Type '80 Rectifier Tube  
Your Cost.....





# Brunswick

## RADIO & PHONOGRAPH

### Input and Output Audio Transformers



#### Input Transformers

For Models P-3, P-10, P-11 and P-13  
The original replacement Part No. P-188.  
Shpg. wt. 2 lbs.  
BR180—Your Cost Each..... **\$1.35**

For Models S-14, S-21, and S-31: Bremer-Tully Models S-81, S-82  
The original replacement Part No. X-656.  
Shpg. wt. 3 lbs.  
BR183—Your Cost Each..... **\$2.25**

For Brunswick Panatropo 31  
The original replacement Part No. X-682.  
Shpg. wt. 3 lbs.  
BR187—Your Cost Each..... **\$1.75**

#### Output Transformers

For Models S-14, S-21 and S-31: Bremer-Tully Models S-81, S-82  
The original replacement Part No. X-658.  
Shpg. wt. 3 lbs.  
BR202—Your Cost Each..... **\$1.75**

For Models 15, 22, 32 and 42  
The original replacement Part No. 8054. Shpg. wt. 3 lbs.  
BR203—Your Cost Each..... **\$1.95**

For Models 11, 12, 16 and 33  
The original replacement Part No. 6085. Shpg. wt. 1 lb. Coil Only.  
BR185—Your Cost Each..... **75¢**

#### Filter Chokes



For Models 15, 22, 32 and 42  
The original replacement Part No. 3013.  
Shpg. wt. 3 lbs.  
BR173—Your Cost Each..... **85¢**

For Models 14, 21 and 31  
The original replacement Part No. X-647.  
Shpg. wt. 4 lbs.  
BR164—Your Cost Each..... **\$1.45**

For Models S-14, S-21 and S-31: Bremer-Tully Models S-81, S-82  
The original replacement Part No. X-706.  
Shpg. wt. 4 lbs.  
BR165—Your Cost Each..... **\$1.45**

#### Four-Gang Condenser for Models 15, 22, 32 and 42



Genuine Part. No. 3004. Comes complete with trimmer condensers. Shpg. wt. 7 lbs.  
BR252—Your Cost Each..... **\$2.75**

### NOTE

All Brunswick and Bremer-Tully parts will be kept in the New York warehouse only. Orders directed to our Newark or Atlanta branches will be filled immediately from the New York stock.

### Power Transformers



For Brunswick Models S-14, S-21, S-31: Bremer-Tully Models S-81 and S-82  
Original Part No. X-765, for the above model receivers. Shpg. wt. 12 lbs.  
BR113—Your Cost Each..... **\$3.75**

For Brunswick Models 15, 22, 32, 42  
Original replacement Part No. 3015. Shpg. wt. 10 lbs.  
BR119—Your Cost Each..... **\$2.75**

Similar to the above, but for 25 cycle. Part No. 7050. Shpg. wt. 16 lbs.  
BR120—Your Cost Each..... **\$4.25**

For Brunswick Models 11, 12, 16, 33  
Original replacement Part No. 6070. Shpg. wt. 6 lbs.  
BR122—Your Cost Each..... **\$3.45**

For Brunswick Models 17, 24, 25  
Original replacement Part No. 6068. Shpg. wt. 8 lbs.  
BR121—Your Cost Each..... **\$3.65**

### Condenser Blocks



For Models S-14, S-21, S-31: Bremer-Tully Models S-81, S-82  
The original replacement Part No. X-652. Shpg. wt. 3 lbs.  
BR262—Your Cost Each..... **\$1.25**

For Models 15, 22, 32 and 42  
The original replacement Part No. 3029. Shpg. wt. 4 lbs.  
BR265—Your Cost Each..... **\$2.25**

For Models 11, 12, 16 and 33  
The original replacement Part No. 6023. Shpg. wt. 2 lbs.  
BR274—Your Cost..... **\$1.95**

For Models 17, 24 and 25  
Original replacement Part No. 6022. Shpg. wt. 2 lbs.  
BR276—Your Cost Each..... **\$1.95**

### Electrolytic Condensers

For Models 11, 12, 16 and 33  
Original replacement Part No. 928. 6 Mfd.  
BR290—Your Cost Each..... **95¢**

For Models 17, 24 and 25  
Original replacement Part No. 929. 7 Mfd.  
BR292—Your Cost Each..... **95¢**

### Volume Control



For Models 15, 22, 32 and 42  
The original replacement Part No. 3028 Plunger type.  
BR401—Your Cost Each..... **\$1.95**

For Models 14, 21 and 31: Bremer-Tully Models 81, 82  
The original replacement Part No. X-626 With line switch.  
BR295—Your Cost Each..... **95¢**

For Models 11, 12, 16 and 33  
The original replacement Part No. 6647.  
BR308—Your Cost Each..... **75¢**

For Models P-3, P-10, P-11, PR-28C, PR-38C and PR-48C  
The original replacement Part No. P-190.  
BR415—Your Cost Each..... **55¢**

Tone Control for Models 11, 12, 16 and 33  
The original replacement Part No. 6652.  
BR314—Your Cost Each..... **85¢**

### Speaker Cone and Voice Coil Assemblies



Furnished ready to install in set. Voice coils firmly cemented, will not pull-out.

For Models 15, 22, 32 and 42  
Genuine replacement cone, Part No. 3069.  
BR208—Your Cost Each..... **\$1.95**

For Models 11, 12, 16, 33, 17, 24 and 25. 8-Inch Cone  
Genuine replacement cone, Part No. 4072.  
BR207—Your Cost Each..... **\$1.75**

For Models 11, 12, 16, 33, 17, 24 and 25. 12-Inch Cone  
Genuine replacement cone, Part No. 6078.  
BR2030—Your Cost Each..... **\$1.95**

### Replacement Field Coils



For Models 15, 22, 32, 42  
Genuine replacement coil, Part No. 3006. Has D. C. resistance of 161 ohms. Size 3" high, 2 1/2" diameter, 1 1/2" hole. Shpg. wt. 3 lbs.  
BR215—Your Cost..... **\$2.25**

For Models 11, 12, 16 and 33  
Replacement coil, Part No. 6840. Has D. C. resistance of 2400 ohms. Size 2 1/4" diameter, 1 1/2" high, 1 3/8" hole. Shpg. wt. 2 lbs.  
BR219—Your Cost..... **\$1.95**

For Models 17, 24 and 25  
Genuine Part No. 6868. D. C. resistance 150 ohms. Size 2 1/8" diameter, 2 1/8" high, 1 1/2" hole. Shpg. wt. 3 lbs.  
BR220—Your Cost..... **\$2.15**

# REPLACEMENT PARTS



## R. F. Coil Assemblies



All furnished complete with shield cans, leads and grid caps.

For Models 14, 21 and 31:  
Bremer-Tully Models 81, 82

Genuine replacement coil, Part No. X-622.

BR127—  
Your Cost Each ..... **90¢**

For Models S-14, S-21 and S-31:  
Bremer-Tully Models S-81, S-82

The original replacement coil, Part No. X-739.

BR125—  
Your Cost Each ..... **90¢**

For Models 15, 22, 32 and 42

Original replacement coil, Part No. 3016.

BR151—  
Your Cost Each ..... **95¢**

For Models 11, 12, 16 and 33

Original replacement Part No. 6043.

BR134—  
Your Cost Each ..... **95¢**

For Models 17, 24 and 25

Original replacement coil, Part No. 6053.

BR131—  
Your Cost Each ..... **95¢**

## Antenna Coils

For Models 15, 22, 32 and 42

The original replacement Part No. 3017.

BR135—  
Your Cost Each ..... **90¢**

For Models 11, 12, 16 and 33

The original replacement coil, Part No. 6042.

BR129—  
Your Cost Each ..... **\$1.10**

For Models 17, 24 and 25

Original replacement coil, Part No. 6052.

BR156—  
Your Cost Each ..... **\$1.10**

## Dial Scale Assembly for Models S-14, S-21 and S-31: Bremer-Tully Models S-81, S-82



The genuine Brunswick part for the above model receivers. Consists of drum dial and dial scale. Part No. X-608. Comes complete with set screws and adjustable dial cable anchor. Shpg. wt. 2 lbs.

BR2013—List \$2.00  
Your Cost Each ..... **85¢**

Dial scale only for the above assembly, Part No. X 613.

BR411—Your Cost Each ..... **14¢**

## Dial Scale for Models 11, 12, 16, 33, 17, 24 and 25



The genuine replacement scale, Part No. 6046. Transparent celluloid, with black numerals. List \$0.50

BR410—  
Your Cost Each ..... **22¢**

## NOTE

Space limitations prevent us from listing every Brunswick and Bremer-Tully part in stock. Only the more popular items are shown on these two pages. We can, however, supply practically any radio or phonograph replacement part for all Brunswick and Bremer-Tully models. If you will write, giving model number of set, and name of part, we will immediately quote the lowest price for the merchandise. Technicians Service Data Books on all Brunswick and Bremer-Tully receivers produced during and after 1931 are available at 25¢ each. Requests for service data information will be efficiently taken care of by our technical staff.

## Oscillator Coil Assemblies



These units come complete with shield cans. Contains padding condensers, plate and grid by-pass condensers, and grid lead with grid cap. Shpg. wt. 1 lb.

For Models 11, 12, 16 and 33

The original replacement coil, Part No. 6044.

BR154—  
Your Cost Each ..... **\$1.95**

For Models 17, 24 and 25

The original replacement coil, Part No. 6054.

BR153—  
Your Cost Each ..... **\$1.95**

## I. F. Transformers

These units are furnished complete in aluminum shield cans. Have grid leads, trimmer condensers and mounting bracket.



For Models 11, 12, 16, 33, 17, 24 and 25. 2nd I. F. Transformer

The original coil, Part No. 6032.

Used in both D and E chassis.

BR132—  
Your Cost Each ..... **\$1.65**

For Models 11, 12, 16, 33. 1st I. F.

Genuine replacement coil, Part No. 6031.

BR133—  
Your Cost Each ..... **\$1.35**

For Models 17, 24, 25. 1st I. F.

Genuine replacement coil, Part No. 6033.

BR315—  
Your Cost Each ..... **\$1.35**

## Antenna Loading Coil



Part No. X-741. Used in models S-14, S-21, S-31 and Bremer-Tully models S-81 and S-82. May be used as a general replacement part.

BR161—Your Cost Ea. **25¢**

# PHONOGRAPH REPLACEMENT PARTS

## Orthophonic Reproducers for all Early Models



These excellently constructed units provide fine tone quality. Two types available: Type TO-501 has lock-on connector. Type TP-501 has set screw connector. Can be used in many other orthophonic phonographs. Shpg. wt. 1 lb.

BR2086—Type TP 501.  
BR2083—Type TO 501. **\$1.95**  
Your Cost Each,  
Either Type.....

## Aluminum Diaphragms

For use in the above described orthophonic sound boxes. Accurately constructed. By replacing the old diaphragm you can increase volume and better the tone quality.



BR2123—  
Your Cost Each ..... **29¢**  
10 for ..... **\$2.65**

## Needle Screws

For all types of magnetic pick-ups. Have 2/56 thread. Every repair man should keep several on hand.

BR406—  
Your Cost Each ..... **4¢**

## Phono-Input Transformer For Model S-31

The genuine Part No. X-769 for the above Panatrop model. Matches the impedance of a 200 ohm pick-up to the grid of a type 27 tube. Fully shielded in metal case. Can be used as a general replacement. Shpg. wt. 4 lbs.



BR185—  
Your Cost Each ..... **\$1.75**

## Governor Ball and Spring Assemblies

Used in types F, K and No. 3 motors, as used in Models 2KR0, 85, 95, 110, 108 and 1107. Can be used in many other electric motors.



BR2124—Your Cost Each ..... **9¢**

## Low Impedance Pick-up Coil

Genuine Part No. P-152. Impedance 20 ohms. Used in models S-31 and Bremer-Tully S-82. Can be used as a general replacement coil.

BR405—  
Your Cost Each ..... **22¢**

## Solenoid Coil for Model 42 Automatic Record Changer

The genuine coil, Part No. 4367 used in the above model receiver. Controls operation of the automatic record changing mechanism by actuating the starting lever. Shpg. wt. 1 lb.



BR166—  
Your Cost Each ..... **\$1.25**

## Tone Arm Switch For Model 42

The genuine Brunswick Part No. 4454. Used on model 42 automatic record changer. Causes records to reject at completion of the selection. Comes complete with insulated leads. Shpg. wt. 1 lb.



BR408—  
Your Cost Each ..... **\$2.45**

## Rubber Dampers for all Magnetic Pick-ups

Brunswick Part No. P-180. Used on all magnetic pick ups.

BR404—  
Your Set, Set of Two ..... **3¢**



# RCA-Victor Co., Inc.

## for Genuine RCA-Victor



### VICTOR Test Oscillator

Type TM V-97B



Similar in appearance to the type TMV-97A oscillator which was introduced to the service trade a short time ago, this new model incorporates many new and distinctive features. It is a compactly constructed, self-contained R.F. oscillator designed for service work in conjunction with all types of radio receivers. Covers an extremely wide frequency range of from 90 K.C. to 25,000 K.C. (3300 to 12 meters). This range is covered in eight steps, a range switch being provided to select the bands. The dial scale is calibrated directly in

frequency and accurate to within plus or minus 3%. Employs two 30 tubes, and requires one 22½-volt "B" battery and one 4½-volt "C" battery. Attenuator, mounted on front panel, is efficient over the entire range. Variable Vernier dial is adjustable from 6:1 to 20:1 ratio. Enclosed in black wrinkle finish aluminum case provided with handle. Size 8½x9¼x4¼" Shpg. wt. 3½ lbs., less batteries.

**XJ10596—**  
 Test Oscillator,  
 With tubes, less batteries.  
**Your Cost..... \$29.50**  
 Burgess 4½-volt "C" Battery **25¢**  
 Burgess 22½-volt "B" Battery **65¢**  
**Your Cost.....**



### RCA VICTOR Automatic Record Changer Type RP106

For 33⅓ and 78 RPM Recordings



Plays both 33⅓ and 78 R.P.M. recordings, and will automatically change a stack of 8 ten-inch or 7 twelve-inch records without any attention. Automatic ejector raises each succeeding record from the turntable. The new and improved type of pick-up assembly used on this mechanism has a flat response from 50 to 5000 cycles. A geared turntable is employed to change from 33⅓ to 78 R.P.M. Turntable speed is governed by means of a lever mounted on the panel. Records may be played manually, if desired. Motor is of the synchronous induction type and needs no other attention than an occasional oiling. All gears and moving parts, with the exception of the record ejector, are mounted underneath the panel. Other features include: phono-volume control mounted on panel; socket for panel light; new and used needle cups; rubber rest for pick-up head. Entire unit finished in dullsilver. Size 18¼" long, 12¼" wide. Extends 4¼" below panel. Shpg. wt. 30 lbs.  
**XV19819—RCA Automatic Record Changer. \$43.50**  
**List \$72.50**  
**Your Cost.....**

### Capacitor Pack Models R-8, R-10, R-12 and RE-19

Genuine Part No. 7342, for the above model sets. Shpg. wt. 3 lbs. List \$6.75.

**XB534—**  
**Your Cost..... \$4.05**



### Dial Drive Assembly

RCA Part No. 2999. Used in Models R7A, R-9, R-43, R-10, R-11, R-8, RE-18, RE-26, RE-16A, R-4 and R-6. Comes with friction rubber and screws and lock-washers.

**XH9744—**  
**Your Cost Each..... \$24.00**

### RCA Field Coil Assemblies

These assemblies consist of the field coil, magnet and cone support. In all the late model RCA-Victor receivers, the field coil is sealed in its housing. When these parts become defective, therefore, it is necessary to replace the entire assembly.



For Model R-22. RCA Part No. 7606.  
**XC2565— \$1.24**  
**Your Cost.....**  
 For Models R-28P, R-37 and R-38. RCA Part No. 8988.  
**XC2566— Your Cost..... \$1.41**  
 For Model RE-40P. RCA Part No. 9003.  
**XC2567— \$1.41**  
**Your Cost.....**  
 For Model 331. RCA Part No. 9434.  
**XC2568— \$2.80**  
**Your Cost.....**

### Replacement Field Coil R-14-15-17-34-42-48



Genuine Part No. 8599. D.C. resistance 1300 ohms. Size 2" high, 2¼" wide, 1" hole. Has long leads. Shpg. wt. 3 lbs.  
**XY19412—**  
**Your Cost..... \$1.20**

### NOTE

We can supply any genuine RCA-Victor replacement part at a discount of 40% from the list price. This also applies to corresponding models of Westinghouse, Graybar, and General Electric. Just state model number of receiver and name of part desired. Requests given prompt attention.

### RCA Book of Service Notes 1933



Over 300 pages of service notes for all 1933 models. Books bound with a stiff and durable fabric cover lettered in gold. Also contains other valuable information in the form of inductance, impedance and capacity charts, etc. Shpg. wt. 1 lb.  
**XY19950— \$1.00**  
**Your Cost.....**

1931-1932  
 Similar to the above, but contains service data and schematics for all sets sold in 1931 and 1932. Also contains other helpful information. Shpg. wt. 3 lbs.  
**XY19997— Your Cost Each..... \$1.00**

### RCA "Glow Tube" Output Indicator

A small, compact, visual output indicator designed for use with an oscillator when aligning radio receivers. Consists of a tapped step-up transformer, a potentiometer, a glow tube and three binding posts for connecting the output of the set to the transformer. Output impedances available are: 0.6, 1.5 and 4 ohms. Glow tube is extremely sensitive, and follows every variation in frequency and intensity of the signal impressed on the indicator. Bakelite case 5½x2¼x2½" Shpg. wt. 2 lbs.  
**XJ10595— \$4.00**  
**Your Cost.....**



### M-34 Remote Control Cable

A 30" remote control cable which governs the condenser gang and the dial scale. One end has a flattened shaft, the other has connecting rod for insertion in condenser gang coupling. Part No. 6497. Shpg. wt. 1 lb.  
**XC2599— \$1.05**  
**Your Cost.....**



### M-34 Power Transformer

The Genuine RCA Part No. 9430 for the M-34 auto set. Delivers the necessary high voltages for the set. Takes only a few minutes to install. Has color coded leads. Shpg. wt. 3 lbs.  
**XD2013— List \$3.60. \$2.16**  
**Your Cost.....**



### M-34 Filter Block

Genuine RCA Part No. 7600. Contains one reactor, one choke coil, one .5 mfd., two 4.0 mfd., and one 875 mmf. capacitors. In metal container with crimping lugs. Color coded leads. Ready to install. Shpg. wt. 3 lbs.  
**XB1024— \$2.44**  
**List \$4.06**  
**Your Cost.....**



### RCA Auto Radio Panel Control Unit

Makes control unit of RCA-Victor Models M-123 and M-107 an integral part of the instrument panel. Specially designed for 1934 Ford, Plymouth, Chrysler, Dodge, and De Soto cars. May be adapted to other cars where sufficient space is available. Mounts flush with panel. Chromium finish with black enamel stripes. Comprises complete dial assembly, knobs, escutcheon and pilot socket. Shpg. wt. 2 lbs.  
**XN14618— \$1.50**  
**Your Cost.....**





Appoints  
the

# Authorized Distributors

## REPLACEMENT PARTS



### RCA-VICTOR I.F. Transformers

These intermediate frequency transformers are correctly engineered and well constructed. Ideal for use by the set builder. Average shpg. wt. 2 lbs.

For RCA R-80, 82, 86, RAE-68  
**XC2580**—First I. F. RCA No. 8567. **\$1.26**  
**XC2581**—Second I. F. RCA No. 8565.  
**XC2582**—Third I. F. RCA No. 8566.  
**Your Cost,**  
**Any Type.....**

For Models  
**RE-20, R-50, 55, RAE-59, RAE-79**  
**First I. F. RCA No. 7281.** **\$1.20**  
**XC2583**—Your Cost  
**Second I. F. RCA No. 7282.** **\$1.44**  
**XC2584**—Your Cost  
**Third I. F. RCA No. 7283.** **\$1.95**  
**XC2585**—Your Cost

For Models **R-4, R-6, R-7, 7A, 7D.C., R-9, R-9 D.C., R-10 D.C., RE-16A**  
**First I. F. RCA No. 2991.** **\$1.22**  
**XC2586**—Your Cost  
**Second I. F. RCA No. 2992.** **\$1.32**  
**XC2587**—Your Cost

For Models **R-11, RE-18, RE-18A, R-21 and RAE-26**  
**First I. F. RCA No. 7266.** **\$1.32**  
**XC2588**—Your Cost  
**Second I. F. RCA No. 7267.** **\$1.20**  
**XC2589**—Your Cost

For Models **R-8, R-10, R-12 and RE-19**  
**XC2590**—First I. F. RCA No. 7340.  
**XC2591**—Second I. F. RCA No. 7341.  
**Your Cost,**  
**Either Type.....** **\$1.20**



### Phono-Matching Transformers



These transformers are scientifically designed to accurately match the impedance of the different pick-up coils to the input of the receivers with which they are used. The use of high quality materials in their construction assures a unit that will not only prove satisfactory, but will give long unflinching service. Any unit not shown in the listing can be procured quickly.

Part No. 6053—Used in RCA Model 67. Matches 48.5 ohm pick-up to grid of tube. Shpg. wt. 2 lbs. **\$3.51**  
**XC1630**—Your Cost  
 Part No. 6226—Used in Models **RE-20** and **CE-29**. Matches 20 ohm pick-up to grid. Shpg. wt. 2 lbs. **\$1.65**  
**XC1631**—Your Cost  
 Part No. 6238—For Models **RE-18** and **RE-18A**. Matches 20 ohm pick-up to grid of tube. Shpg. wt. 2 lbs. **\$1.44**  
**XC1632**—Your Cost  
 Part No. 7083—For Models **T-5, RE-57, RE-16, RE-16A, R-86, RAE-68** and **R-73**. Matches 20 ohm pick-up to grid. Shpg. wt. 2 lbs. **\$3.00**  
**XC1633**—Your Cost  
 Part No. 7445—For Models **PT-33** and **RE-19**. Matches a 12.7 ohm pick-up to grid of tube. Shpg. wt. 2 lbs. **\$1.68**  
**XC1634**—Your Cost  
 Part No. 7632—For Model **331**. Also contains two reactors, three capacitors and two resistors in the container. Matches 28 ohm pick-up to grid. Shpg. wt. 3 lbs. **\$3.27**  
**XC1635**—Your Cost

### RCA VICTOR Balanced Pick-up



Genuine RCA part used in Models **R-86, RE-17, RE-57, RAE-68** and **T-5 Electrola**. Composed of three parts: Pick-up Head No. 7085 with an impedance of 20 ohms; Arm and Base No. 10892. For use with long playing records. Shpg. wt. 7 lbs.

Finished in dull silver. **XA140**  
**Your Cost Each.....** **\$4.50**

### Special RCA-VICTOR Two Speed Pick-up

**33 1/3 and 78 R.P.M.**



The most advanced counter balanced pick-up assembly available, used on the new 1934 automatic combination Model 331. Pick-up Head, designed according to the latest developments of the RCA engineers, shows a substantially flat frequency response from 50 to 5000 cycles. Arm is heavily weighted to provide best needle pressure on both 33 1/3 and 78 R.P.M. records. Base of arm is mounted in a special rubber cushion so that pick-up rides free at all times. Unit comprised of Pick-up Head No. 6542 with an impedance of 28 ohms, Pick-up Arm No. 6543 and Escutcheon No. 9779. Provided with shielded connecting cable, coupler and stop rod. Finished in dull silver. Shpg. wt. 8 lbs. **XA388**—Your Cost Each..... **\$5.17**

### Pick-Up Head for RCA Model 67



Part No. 2601. Impedance of coil 48.5 ohms. Has long leads. Shpg. wt. 2 lbs. **XA178**—Your Cost..... **\$2.40**

### For Victor Models RE-45 and RE-75

Victor Part No. 10779. Used in the above model combinations. Impedance 200 ohms. Has fine frequency response. Shpg. wt. 2 lbs. **XA177**—Your Cost Each..... **\$2.86**

### Pick-up Head for RCA R-86, RE-17 and RAE-68 VICTOR RE-57-T5



The genuine RCA Part No. 7085 used in the popular balanced pick-up assemblies with the above model receivers. Coil has an impedance of 20 ohms. Has pin terminals for cable connections. Shpg. wt. 2 lbs. **XA390**—Your Cost Each..... **\$2.40**

### For RE-80, RE-81, RE-84

Part No. 6835. Similar in appearance to the above. Impedance 7 ohms. Pin jack connections. Shpg. wt. 2 lbs. **XA391**—Your Cost Each..... **\$2.40**

### For RCA Model 331

Part No. 6542. Similar in appearance to the above. The most sensitive pick-up in the RCA line. Has a flat response from 50 to 5000 cycles. Uses newly developed anchored damping block. Finished in dull silver. Impedance 28 ohms. Shpg. wt. 2 lbs. **XA392**—Your Cost..... **\$2.49**

### Midget Phono-Motor and Pick-up Assembly



By far the most ingenious device produced to allow for phonograph reproduction where space is at a premium. The motor, for operation on 110 volts 60 cycle A.C., measures only 7 in diameter and 2 1/2" deep. Synchronous type, but not self starting. It is only necessary to give turntable a slight push and the motor will start immediately and reach its full speed of 78 R.P.M. in a few seconds. The Pick-up Unit measures only 6 1/2" from needle screw to tip of arm. Although midget in size, it is fully as efficient as the full sized pick-ups. Impedance of the coil is 2500 ohms. Comes complete with head, arm and connecting cable. **XA355**—Midget Motor, RCA No. 9038. Shpg. wt. 7 lbs. **Your Cost.....** **\$4.80**  
**XA356**—Midget Pick-up, RCA No. 6592. Shpg. wt. 7 lbs. **Your Cost.....** **\$3.00**

### Drive Springs for Victor Orthophonic Victrolas

Two types available. Part No. 8656 will fit Victor Portable and Table Models 2-65, 2-30, 1-90, 2-55, 2-40, T-90, 2-25, and the console Models 7-11 and V-30. Also fits many other makes of phonographs. Part No. 10148 is used in the Victor Models 4-40, 4-20, 7-10, 7-25, 7-30, 8-9, 8-36 and 8-8. Shpg. wt. 2 lbs. **XA393**—Part No. 8656. **XA394**—Part No. 10148. **Your Cost.....** **69¢**  
**Either Type.....**

### VICTOR Pick-up Coils

### REPLACEMENT COILS

For all models of RCA and Victor receivers. Consult list for proper type.

Pat. No.	RCA No.	Ohms Imp.	Models	Your Cost
<b>XA174</b>	255	3800	9-25, 9-55, CD-20X	<b>\$0.75</b>
<b>XA186</b>	2314	20	9-16, 9-56, 12-15, 10-49	.65
<b>XA175</b>	2641	200	AZ-1604	.65
<b>XA169</b>	2769	20	RE-17, T-5, RAE-26, RAE-59, RAE-79	.30
<b>XA395</b>	6168	12.7	RE-73, RE-16, RE-19	.30
<b>XA396</b>	3385	7	RE-81, RE-84, RE-80	.30
<b>XA397</b>	6118	48.5	RE-16A	.30
<b>XA398</b>	10777	200	RE-45, RE-75, RE-45, RE-15	.30

### Orthophonic Sound Box

The finest unit of its kind. Will improve tone and volume of any Victrola. RCA Part No. 6927. Shpg. wt. 1 lb. A ribbed aluminum diaphragm provides better frequency response. Shpg. wt. 1 lb. **XA350**—Your Cost..... **\$2.70**

Perfect Merchandise - Prompt Shipment - Personal Service

**Read THIS PAGE before ORDERING!**

**WE RETURN ALL UNUSED POSTAGE**



**BE SURE TO INCLUDE POSTAGE WITH YOUR ORDER**

**Parcel Post Rates for Various Zones**

Parcels up to 8 oz. may be shipped anywhere in U. S. A. for 14c for each 2 oz. Rates Subject to Change by U. S. Postal Authorities

Zone Number	1	2	3	4	5	6	7	8
Cost for 9 to 16 oz.	8c	8c	9c	10c	11c	12c	14c	15c
Each addit'l lb. or fraction	1.1c	1.1c	2c	3.5c	5.3c	7c	9c	11c

**TERMS**

Wholesale Radio Service Company buys for cash and sells for cash. That is the secret of our low price policy. We cannot afford to give credit as we ask none ourselves.

We ship C. O. D. if desired, providing a deposit of 20% accompanies your order. **We cannot ship C. O. D. without a deposit.** C. O. D. packages can be shipped to all parts of the United States, Porto Rico, Hawaii, Alaska and Mexico. We CANNOT ship C. O. D. to any country outside of the United States, excepting those mentioned. Orders generally, should be sent Parcel Post, C. O. D. care of banks, as most banks refuse to handle such shipments.

The safest and best way to send money is by postal, express, or telegraph money order, bank draft or firm checks. Do not send cash. If absolutely necessary to send cash, register the letter.

**ON ALL ORDERS FOR FIFTY (\$50.00) DOLLARS OR MORE DEDUCT 2% FROM THE TOTAL AS A TRANSPORTATION ALLOWANCE EXCEPT ON READRITE, TRIPLETT AND NATIONAL PRODUCTS.**

**IMPORTANT.** Indicate catalog number and stock number on order blank. The number of this catalog shown on front cover is 56.

When ordering, specify method of shipment you prefer. In the upper right hand corner of the order blank you will find a series of squares marked "Express," "Parcel Post," "Freight," "Boat," and "Best Way" arranged for your instructions. All merchandise shipped by express subject to inspection if you specify this in your order blank.

**IF YOU FIND IT NECESSARY TO RETURN ANY MERCHANDISE FOR ADJUSTMENT PLEASE WRITE, STATING FULL DETAILS BEFORE RETURNING PACKAGE.** We will IMMEDIATELY forward necessary shipping instructions. Your cooperation in this respect will be appreciated—and it will help us to give you better service.

**FOREIGN ORDERS**

Orders from foreign countries receive careful attention. They are packed and shipped to ensure very prompt and satisfactory delivery.

Our terms on ALL foreign sales are as follows: Payment in New York by letter of credit against documents, or 50% deposit WITH ORDER, balance sight draft against Bill of Lading. These conditions will not apply to certain countries where rigid exchange control conditions exist. In countries where rigid exchange control exists, merchandise plus transportation charges must be paid for in full in New York before shipment can be made. All quotations F. O. B. 100 Sixth Avenue, New York, with slight additional charge for export packing. **ORDERS UP TO \$25.00 PAYABLE IN FULL IN ADVANCE, PLUS SHIPPING CHARGES.** Remittance by draft on New York bank in U. S. Currency. We do not recommend that you send us foreign checks, as shipment will be delayed until cleared.

The average Parcel Post rate on foreign shipments is 14c per pound. Insurance rate averages 1 1/2 per cent of the order's value, with a minimum rate of 25 cents.

Our catalog prices are F.O.B. warehouse, packed for domestic shipment. For Special export packing and delivery to pier, there is a slight additional charge covering our extra costs. There is no extra charge for shipments to points outside the United States, which can be forwarded packed as for domestic shipment.

**PARCEL POST**

Freight and Express shipments are sent transportation collect. Orders shipped by parcel post must be prepaid, and we therefore request that you **INCLUDE POSTAGE FOR PARCEL POST SHIPMENTS.** Estimate the cost of postage to your town by finding the weight of the articles you are purchasing (weight of each item is given in catalog) determine the zone in which your town is located, and then from the above chart you can find the cost of sending the package to your town.

Example: Mr. John Jones lives in Edwight, West Virginia. He orders a condenser, which according to the catalog weighs 3 pounds. The nearest big city to Edwight is Charlestown which he finds from the above chart is in the 4th zone. The cost of sending 3 pounds to the 4th zone is 17c and he adds this amount to his remittance plus cost of insurance.

**INSURANCE**

All parcel post packages are covered against damage or loss. Insurance costs and postage should be added to the amount sent. Charges are as follows:—

When value of parcel is up to	Charge is
\$5.00	5 cents
" " " " " between 5.00 & \$25.00	" " 10 "
" " " " " 25.00 & 50.00	" " 15 "
" " " " " 50.00 & 100.00	" " 25 "

After \$100.00 value the charge for each \$50.00 additional is 5 " extra

**C. O. D. SHIPMENTS**

Transportation charges on C. O. D. parcels are slightly higher than those fully prepaid. C. O. D. charges in addition to the regular postage costs outlined are as follows including insurance:—

When value of parcel is up to	the extra charge is
\$5.00	12c (incl. ins.)
" " " " " between 5. & \$25.	" " 17c "
" " " " " 25. & 50.	" " 22c "
" " " " " 50. & 100.	" " 32c "
" " " " " 100. & 150.	" " 40c "
" " " " " 150. & 200.	" " 45c "

For each \$50.00 value above \$200.00 the charge is 5c more (including insurance). The Post Office also charges an extra small money order fee on each C.O.D. parcel.

**If you are doubtful as to the correct amount do not hesitate to send us sufficient postage. We GUARANTEE to refund an excess remittance.**

Parcel post shipments to all zones must not exceed 7 pounds. The limit of size on all parcel post packages is one hundred inches in length and girth combined. Example: package 35 inches long, 10 inches wide and 5 inches high measures 65 inches in length and girth combined. (Length 35 inches, plus 2 x 10 inches width, plus 2 x 5 inches height equals 65 inches).

**OUR SERVICE**

We endeavor at all times to give you the finest possible service. According to figures prepared by our Traffic Department, 96% of all orders are shipped within 24 hours of receipt. Very often orders go forward within a few hours after the arrival. All packages are inspected before shipment to avoid errors and delays.

**SPECIAL NOTICE**

Wholesale Radio Service Co. has two branches located at strategic points for your convenience. These branches located in Newark, New Jersey and the other in Atlanta, Georgia, are fully equipped to serve you quickly and efficiently either personally over the counter, or by mail.

**TO INSURE PROMPT DELIVERY**

To insure prompt delivery of your orders or correspondence to you and to avoid possible error by the Post Office please make certain that you write (preferably print) or type our FULL name:

Wholesale Radio SERVICE Company, Inc.

on all letter envelopes or packages.

**Prices Subject to Change Without Notice!**

# The International Fellowship of Amateur Radio



## Q S T

Wholesale Radio Service Company, ever since its inception, has made it a particular point to cooperate with radio amateurs the world over. When you call upon us to take care of your needs, radio amateurs, such as you yourself, take care of your requests.

It is quite well known that we have in the past designed and built transmitters, special modulation equipment, etc., all of this work, however, being done to specifications and special orders. We are more than pleased at this time, therefore to announce our new standard line of **Transmitting Equipment.**

We have two entirely new Transceivers for 5 meter work and a new 100 Watt Multi-Band C. W. and Phone Transmitter. After several months of intensive research and experimentation our engineering department has succeeded in developing a number of truly sensational units. These have been both field and air tested and the reports we have received have been so flattering that we anxiously wait your comments when you try them. For a complete description of each of them we refer you to the following two pages and should you require any additional information please write us.

This new department will introduce in the near future a complete selection of both C. W. and Phone Transmitters from "flex-power" size up to the largest permitted

by the Federal Communications Commission. We here at Wholesale are particularly interested at this time, as we have always been, in receiving your comments and suggestions as to what you would like to see incorporated either in our products or in our service to you. Let us know just how you think we can be of greater service to you.

In turn we want you to feel free to call upon us for any assistance you may require in solving any problems which will arise in your amateur activities. We may or may not be able to help you but in any event it is possible that someone in the Gang here at Wholesale has had the same problem at some time in his work. We also have the complete facilities of the Lafayette Research Laboratory and Bureau of Standards at our command and we find that nine times out of ten we can be of great assistance to you. And bills we are on the subject of the Laboratory we have a number of new things you are now working on in there but we are not yet ready to disclose our information concerning them. As soon as we can, however, we will give the answers to you in full and complete detail.

**Best 73's from the Gang—sig.—**

**W2CF, W2FB, W2NO, W2AMJ, W2CL5, W2COL, W2DHW, W2DIB, W2DNR, W2HNM.**

### NATIONAL "HRO" 9-Tube Super-Het Amateur Receiver



This new National HRO receiver has been designed for a receiver that will give the most satisfying performance of the most advanced character. Every feature found in the receiver has been carefully designed and tested. The circuit includes the most advanced type of IFT, IFT, and IFT. The power supply is a full wave bridge rectifier. The 6.3 volt filament is connected to the 0-100 volt transformer through a power diode, which is the HRO-3. It is a very simple circuit.

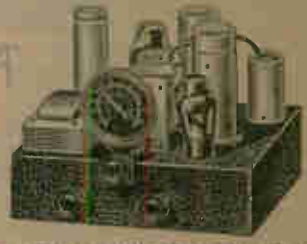
- **Two Stages of Pre-Selection** — Two stages of pre-selection, the first stage being a tuned circuit, as well as the highest signal to noise ratio.
- **Air Tuned I. F. Transformers** — A Lamb-Single Signal (Crystal) Filter.
- **Automatic or Manual Volume Control** — A vacuum tube Voltmeter.
- **Neon Trigger Lamp** — A neon trigger lamp which is used to indicate when the receiver is in the "Phone Jack" position.
- **Four Gang Condenser** — A four gang condenser which is used for tuning the receiver.
- **Ganged Plug-In Coils** — A set of ganged plug-in coils which are used for tuning the receiver.

Complete receiver equipped in metal cabinet, finished in black enamel, by mail \$223.00. Price for factory direct mounting is available.

- XN13770 — HRO-2 Receiver, complete with built-in speaker, \$223.00
- XN13771 — HRO-4 Receiver, complete with vacuum tube, speaker, \$223.00
- Your Cost, Either Type **\$139.80**
- XN13772 — HRO-3 Receiver, complete with vacuum tube, speaker, \$227.00
- Your Cost **\$154.20**
- Your Cost, Per Set **\$12.00**

### Lafayette Short Wave Converter

- ★ Low Noise to Signal Ratio
- ★ Low Hiss Level
- ★ Provisions for Doublet Antenna
- ★ Easy to Operate
- ★ Individually Tuned Circuits



Converted short wave receiver. This Lafayette Short Wave Converter was designed specifically for the purpose of allowing the radio trade a converter that is easy to install, operate and highly efficient in operation. It contains four tubes, an IFT, and a 6.3 volt filament and transformer. Power supply is built-in. The Short Wave Converter is a C. W. Converter. The frequency range is 1.5 to 15 MHz. It is a very simple circuit.

#### LOW HISS LEVEL

Due to the development and perfection in the circuit of an efficient noise filter, the hissing noise level is kept so low that it does not interfere with the listening pleasure during reception.

#### LOW NOISE TO SIGNAL RATIO

Excellent signal to noise ratio. A type of circuit has been employed in an extremely efficient form.

#### EASY TO OPERATE AND INSTALL

Installation is very simple. The converter is designed to be mounted on the ground lead of the receiver with which it is to be used. One of the methods of mounting is by using a standard 1/2 inch hole, and then by means of screws, using the 1/2 inch hole in the receiver's case and the converter's mounting holes.

#### INDIVIDUALLY TUNED CIRCUITS

All circuits are individually tuned. Each coil is tuned by a separate trimmer condenser.

#### PROVISIONS FOR DOUBLET ANTENNA

The mounting plate on rear of chassis provides for doublet antenna connections. Your own antenna may also be used. Unit is used in metal cabinet finished in black enamel. Size 10" long, 7 1/2" wide and 7 1/2" high.

- KP-5514 — Conversion Kit, \$19.95
- Your Cost **\$1.55**

**Perfect Merchandise - Prompt Shipment - Personal Service**

# Lafayette 100 WATT

## Uses "Suppressor-Grid" Modulation and the New "Les-tet" Exciter

Lafayette engineers are proud to announce this new and modern up-to-the-minute 100 watt C. W. and Phone Transmitter. Not only is it the greatest dollar value in initial cost but for its rated output it is the most economical transmitter to operate ever offered to the amateur.

### Has All the Latest Features

It incorporates such modern features as suppressor-grid modulation that provides 100% modulation with a minimum of modulating equipment . . . crystal frequency control . . . the new "Les-tet" harmonic oscillator which with a single 2B6 tube provides a stable crystal oscillator and is a very efficient doubler or a neutralized buffer stage having more than sufficient output to excite the 100 watt Class C Pentode Amplifier . . . and a universal antenna matching unit that permits successful operation of the transmitter on practically any type of antenna.

### Entirely Self Contained

The entire transmitter is contained in a single rack. Just connect a key, a crystal microphone and the antenna. Insert the A. C. plug into any 110 volt 60 cycle A. C. outlet and you are ready to operate. You have plenty of sockets and a clean note on C. W. plus a broadcast quality phone that has an absolute minimum of amplitude

distortion. And best of all, operating and maintenance are an absolute minimum.

The output stage is a Push-Pull RK20 Pentode Amplifier having a maximum rated output of 100 watts. All coils include a 2B6 Suppressor-Grid Modulator and Universal Antenna Coupling unit and a Power Supply. This and the adjacent page are individual descriptions of each unit.

Complete control is had over the entire transmitter through the use of meters permanently connected in circuit where required. Transmitter comes complete with one set of coils (one of 80, 40 or 20 meter bands). Additional sets of coils are available. Crystal not included. Rack dimensions 14 1/2" x 19 1/2" x 7 1/2" high. Shpg. wt. 5 1/2 lbs.

**KN13992**—Lafayette 100 watt transmitter, complete with one set of coils but less tubes, key, microphone **\$175.00**

Your Cost . . . . .

**Kit of Tubes:** 2—RK20, 2—2B6, 1—57, 5—81A **\$35.**

Your Cost **KN13993**—Extra Set of Coils: 80, 40 or 20 meters. Special Panel desired. **\$3.**

Your Cost **Mounted Crystal.** Specify frequency. **\$4.**

**KN13988**—30 Meter Band. **Your Cost \$3.**

**KN13989**—40 Meter Band. **Your Cost \$3.**

**KN13363**—Crystal Microphone. Shpg. wt. 2 lbs. **Your Cost \$12.**



### Lafayette Exciter Unit



A new and more efficient type of oscillator using a single 2B6 tube that serves as both crystal oscillator and buffer amplifier. When operating at the crystal frequency the output section acts as a neutralized buffer stage. Developed in our own laboratory by Mr. Frank Lester W2AMJ this unit has a maximum 7 and 10 watts output and can be used as a low power transmitter or to excite pentode R.F. stages up to 100 watts or any other tube or amplifier requiring this amount of excitation. Plug in coils for 80, 40 or 20 meter bands. Rack panel 19x8 1/2". Shpg. wt. 2 1/2 lbs.

**KN13994**—Exciter Unit with 1 set of coils. (Specify band desired) less crystal.

Your Cost **\$29.75**

**KN12993**—4 Extra Coils per Set. **\$1.75**

Your Cost **Mounted Crystal.** Specify Frequency. **\$1.75**

**KN13988**—30 Meter Band. **Your Cost \$3.25**

**KN13989**—40 Meter Band. **Your Cost \$3.95**

### Lafayette Modulator Unit



Designed especially for suppressor-grid modulation of a pair of RK20 tubes in class "C". Provides 100% modulation. Excellent frequency response. Particularly designed for use with a crystal microphone. Uses a 2B6 and a 2B6 tube with an 83 mercury vapor rectifier in the self contained power supply. Output transformer designed for use with RK20 suppressors. Meter provided for reading suppressor current as modulation indicator. Neutral gain control. Has A. C. switch and pilot light. This unit may also be used with a double button carbon microphone or a condenser microphone by adding a Lafayette Senior In-put Stage. Rack panel mounting 19x8 1/2". Shpg. wt. 2 1/2 lbs.

**KN13995**—Lafayette 2B6 Modulator Unit (less tubes) **\$23.75**

Your Cost . . . . .

**Kit of Matched Tubes:** 1—57, 1—2B6, 1—5Z3. **\$2.49**

Your Cost . . . . .

### Lafayette Power Supply



This is the Power Supply used in the Lafayette Transmitter. Supplies 1250 V., 250 Ma., and 550 V., at 200 Ma. Also supplies 2.5 V. at 6 amps, and 7.5 V. at 6 amperes. Uses type 83 mercury vapor rectifier in a bridge circuit. A separate filament transformer is used for the 83 filaments. 5-patch universal 4-pin pilot light are provided for plate and filament transformer primaries. No electrolytic condenser are used. Bleeders are provided. Regulation is exceptionally good and ripple voltage extremely low. The circuit is so arranged that a time delay relay for delaying plate voltage application can be installed easily at any time. Construction throughout is exceptionally sturdy. Made for rack panel mounting 19x8 1/2". Black crystallized finish. Shpg. wt. 60 lbs.

**KN13996**—Lafayette "High Power" Power Supply, less tubes. **\$49.50**

Your Cost . . . . .

**Four 83 Tubes.** Your Cost . . . . . **\$2.1**



## New! Lafayette "19" Transceiver for 5 Meters or 56-60 Megacycles

A new Transceiver that really gets you and lets you do things. One of the most powerful portable transmitters and receivers in this class. Using a type 19 tube in a push-pull output stage it has a power output of approximately 2 watts in comparison to the ordinary type 10 oscillator with an output of approximately .2 watt. Practically all the power is used. The complete circuit consists of a type 19 oscillator modulated by another type 19 in class "B" driven by a type 20 driver. Coupling is fully coupled using a center tap with threaded grid coil connected directly to the screen terminals, thus making a right modulation period and better results are important for high efficiency work. All battery stored in the lower half of the case. The entire unit being designed to be the transmitter part. High efficiency obtained by connecting the oscillator into a smaller capacitor-regenerative detector followed by the 50 or 200 cycle stage

and the second 19 as a class "B" push-pull output stage. More than enough output is obtained for signals of any strength desired.

Socket for plate and filaments are provided on the face of the panel. Batteries are used as 1.5 V. 3 "D" cells, 2.5 V. of "C", 1.5 V. and 2 1/2 "D" cells. Overall rack dimensions are 11 1/2" high, 7 1/2" wide, 4 1/2" deep. 1000 ohm 5-watt resistor, 100 ohm 1-watt resistor, 1000 ohm 1-watt resistor, 100 ohm 1-watt resistor, 100 ohm 1-watt resistor, 100 ohm 1-watt resistor. Shpg. wt. 18 lbs.

**KN13957**—Lafayette "19" Transceiver. **\$17.95**

Your Cost . . . . .

**Set of Suppressor Batteries:** 7—500, 1—250, 1—500, 1—500, 1—500. **Your Cost . . . . . \$7.75**

**Kit of Tubes:** 1—10, 2—19A, 1—19B. **Your Cost . . . . . \$1.75**

**KN13949**—AMERICAN Single Battery Hand Meter **\$3.75**

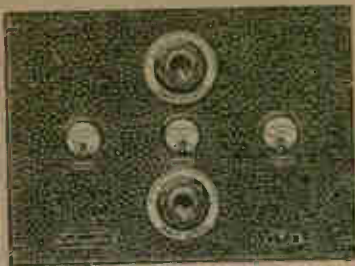
Despite the low power used in Transceivers a license is required for their operation.

**WHOLESALE RADIO SERVICE CO., INC. - 100 Sixth Ave., New York**

# TRANSMITTER

## Cafayette P.P. RK20 Amplifier

100-watt Push-Pull audio R.F. Amplifier. Fully designed for use of the RK20 transmitter adapted for 350 or 500 volt filament. Beautifully styled in a cabinet with C.W. plate in front. Available in 30, 40 or 50 watt. Meter accurate. Parts are provided for a person and spare current ratings. Receiver (RK20) with 150 or 200 M.A., 250 or 300 volt at 75 M.A., 1.5 volt filament, and 45 volt bias supply. Indicator lights and Campbell meters used. Link coupling input. Rack Panel mounting 113/4" high. Wt. 25 lbs.

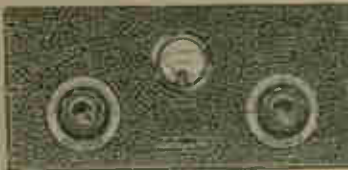


**P15921**—Lafayette P.P. 100-watt Transmitter R.F. Amplifier with 150 or 200 M.A., 1.5 volt filament. Specify bias desired. **\$36.50**  
**Your Cost** \$13.993 **Extra Set of Coils, Specialty bias control** \$2.50  
**Your Cost** \$16.493  
**or** Replaces RK20 Power Transmitter Tubes. **Your Cost** \$28.69

## Lafayette Universal Antenna

### Coupling Unit

Unusually constructed antenna transmitter coupling unit. Features are that maximum efficiency can be obtained at any frequency by any antenna. Easy to use. No wire leads are used. Both coupling and antenna are constructed of individual elements. Fits into any receiver. Receiver value for reading at 100 M.A. **\$29.75**  
**Q15390**—Your Cost



## Lafayette "Medium Power"

### Power Supply

Low power unit than any used. The coupling unit. Supplies 200 or 300 M.A. and 200 or 300 V.D. Uses 2 or 3 ordinary vacuum tubes in a better design. Separate switch for lights provided for meter and plate transformer filaments. Suitable for use with transmitters up to 10 watts. All basic quality components and workmanship are used throughout. Heavy steel chassis and metal casing permanent alignment and weatherproofing. Designed for rack mounting. Panel 11 1/4" high. Wt. 40 lbs.



**N1395**—Lafayette "Medium Power" Power Supply **\$32.50**  
**Your Cost** \$11.77

# New Lafayette "30" Transceiver

## For 5 Meters or 56-60 Megacycles

Long the premier 5 and 56 megacycle transceiver. The new Lafayette "30" Transceiver is a remarkable improvement over previous 5 meter types. Not only so, but the "30" will work on frequencies up to 60 megacycles. Its design is a more rugged, economical, better suited to portable use. The sub is used at the oscillator for transmitting with 10 or 15 pentode units, providing a signal that is strong and clearly understood. It is designed to work with a vacuum tube and rig are mounted in perfect alignment. All the important features are in the front of the transmitter. The tuning indicator, band switch and filament rheostat, the upper half of the case is located in the Transmitter. For example, with the 10 pentode transmitter, a 100 or 200 M.A. filament is used. It is fitted with a high audio stage using the 50 pentode. Excellent volume is obtained to operate a loud speaker in some cases. Just for

the use of the "30" is a 100 or 200 M.A. filament. The case is 10" high, 10" wide and 10" deep. It is made of rugged steel, painted and finished with a nickel finish. Receiver provided with 100 or 200 M.A. filament and two 1.5 volt dry cells. The only accessories required outside of the case are the antenna, plate and load coils. **\$9.95**  
**KN13986**—Lafayette "30" Transceiver **\$9.95**  
**Your Cost** \$3.75  
**or** of Single Batteries: 1—\$1.25, 2—\$2.50, 3—\$3.75  
**Your Cost** \$11.13  
**or** of Tubes: 1—\$5.00, 2—\$10.00  
**Your Cost** \$11.13  
**or** of Tubes: 1—\$5.00, 2—\$10.00  
**Your Cost** \$11.13



## Rack Panels

Blank, open, welded steel racks available in black or stainless steel. These are standard rack racks for use with standard 19" rack panels and are very easily adapted for mounting any type of rack. They are supplied for 19" standard racks. Various other sizes of racks are available and can be made to order. They are also available for use with 19" standard racks. They are also available for use with 19" standard racks. They are also available for use with 19" standard racks. They are also available for use with 19" standard racks.



## Relay Racks

Stock No.	Height	Width	Depth	Wgt. Wt.	Your Cost
XY22150	1 1/2"	10 1/2"	1 1/2"	1 1/2 lbs.	\$10.95
XY22151	2 1/2"	10 1/2"	1 1/2"	2 1/2 lbs.	8.95

## Steel Rack Panels 19" Long

Stock No.	Width	Wgt.	Your Cost	Stock No.	Width	Wgt.	Your Cost
XY22160	1 1/2"	1 1/2 lbs.	\$0.80	XY22165	1 1/2"	1 1/2 lbs.	\$1.80
XY22161	1 1/2"	1 1/2 lbs.	1.20	XY22166	1 1/2"	1 1/2 lbs.	2.00
XY22162	1 1/2"	1 1/2 lbs.	1.20	XY22167	1 1/2"	1 1/2 lbs.	2.20
XY22163	1 1/2"	1 1/2 lbs.	1.40	XY22168	1 1/2"	1 1/2 lbs.	2.40
XY22164	1 1/2"	1 1/2 lbs.	1.60				

## Blank Steel Chassis or Sub-base

Stock No.	W.L.D.	Your Cost	Stock No.	W.L.D.	Your Cost
XY22185	11 1/2"	\$2.00	XY22186	11 1/2"	\$1.95

## Lafayette "Tunable" 5 Meter Antennas



The doublet type consists of two adjustable outer wires with a central insulating bracket. Can be mounted in any position. Overall length can be varied from 32 inches to 4 feet, permitting tuning the aerial to any desired frequency within these limits. Made of stainless steel, each half in three sections. Equipped with binding posts for lead-in. Wgt. 2 lbs.

**XR17085**—Lafayette 5-Meter Doublet Antenna. **\$3.00**  
**Your Cost** \$1.00

### "Half-Wave" Type



An adjustable "half-wave" antenna made of stainless steel tubing threaded at both ends and equipped with insulator at each end. May be mounted in any position. Overall length can be varied from 35 inches to 4 feet, permitting tuning any wave within these limits. Wgt. 2 lbs.

**XR17081**—Lafayette 5-Meter "Half-Wave" Antenna. **\$1.95**  
**Your Cost** \$0.75

## High Frequency Feeder Spreaders

Low power factor, light weight feeder spreader for use with doublet antennas.

XR17181-1"	XR17182-1 1/2"	XR17183-2"
Your Cost <b>10¢</b>	Your Cost <b>15¢</b>	Your Cost <b>20¢</b>



# EXPERIMENTERS build your own

## SHORT WAVE SETS and SAVE MONEY



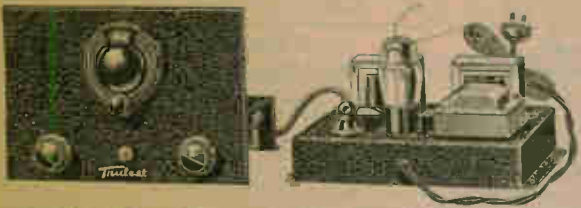
### The "Band Spread" Portable A Combined S. W. Receiver and Monitor

Just the thing you have been looking for—a combined portable self-contained "band-spread" short wave receiver and a fully shielded monitor. Everything receiver "A" battery and "B" battery—is inside the steel case. Just plug in a pair of headphones—connect a short length of wire for an aerial and you have an excellent short wave receiver for either "ham band" or "broadcast band" use. Not a make-shift type of band spreading but real honest-to-goodness band spread coils that make it possible to keep an accurate log of station dial readings. The simplicity of construction makes it an ideal set for the beginner to build since it will at all times be a valuable instrument to have. Not only is it a very good portable receiver but also when the beginner finally becomes a full fledged amateur and installs a transmitter it is an excellent monitor—an instrument he must have. The special "band-spread" coils used may be obtained for the following amateur bands—20, 40,

80, 160 meters and the following broadcast bands—19, 25, 31, and 49 meters. Thus this receiver is suitable for all bands. The use of an audio amplifier stage in addition to the detector assures ample volume at all times. Two type 230 tubes are used. Regeneration is smooth and noiseless. Case is of steel 8 1/2 x 6 1/2 x 5 1/2. Shpg. wt. 12 lbs.  
**XN13960**—Complete kit of parts less tubes, coils and batteries. **\$7.95**  
**Your Cost**.....  
**XN13961**—Kit of two tubes. (2-30's). **86c**  
**Your Cost**.....  
**XN13962**—One Burgess 5308 "B" and one 2570 "A" battery. **Your Cost**..... **\$1.18**  
**XN13963**—Special Coils. Broadcast bands.  
**XN13964**—Special Coils. Ham bands.  
**Your Cost per Set of 4**..... **\$2.10**  
 Set wired in our laboratory..... **\$1.95 additional**

- Weighs only 9 lbs. including batteries!
- Fully shielded.
- Audio Stage.

### The "TROPHY WINNER" 3 S. W. KIT 3 Tube—A. C.—For the D. X. Fan



A complete, easy to assemble, Short Wave Receiver Kit for operation on 110 volt, 60 cycle A. C. Its 3 tubes (not including rectifier) are used in a highly efficient circuit consisting of one stage of radio frequency amplification—using a type 58 tube, a regenerative super-sensitive pentode detector using a type 57—and finally a pentode power amplifier stage using a type 2A5, having an output of almost 3 watts! Both pan land chassis are of metal shielding to prevent body capacity effects and are attractively finished in black crystallized lacquer. A special three winding coil is used to couple the R. F. and Detector stages. Regeneration is smooth and tuning is accomplished with a vernier dial having a fairly high ratio. In addition a unique circuit arrangement permits the use of either a "band-spread" or standard circuit. The Power Supply Kit includes all necessary parts—power transformer—filter chokes—filter condensers—tube and cable connection sockets—chassis—etc. Receiver chassis is quickly and easily connected to the power pack by means of a cable and plug. Shpg. wt. Receiver Kit 5 lbs. Power Pack Kit 8 lbs.

- XN13905**—"TROPHY WINNER" 3-tube A. C. kit of parts, with wiring diagram and complete instructions for assembly. **\$9.75**  
**Your Cost** for kit, less coils, tubes and power supply.....  
**XN13906**—Power supply kit less tube. **Your Cost**..... **\$4.95**  
**XN13907**—Special coils covering from 16 to 200 meters. **Your Cost per Set**..... **\$1.25**  
**XN13908**—Kit of matched tubes for receiver and power supply. **Your Cost**..... **\$2.15**  
**XN13985**—Complete kit of parts with coils, power supply kit and tubes. **Your Cost**..... **\$17.25**  
 Set wired in our laboratory..... **\$2.50 additional**

### UNI-SHIELDED SHORT WAVE KIT



- 2 and 3 Tube Battery Operated Receiver Kits**  
**2 Tube \$5.75**  
**3 Tube \$6.75**

Known humorously as the "Pretzel Bender" receivers, because of their uniquely bent shield, these short wave kits have been hailed by radio magazines, from coast to coast, as the greatest development in battery operated receiver kits. They are extremely simple to build and even simpler to operate. A highly efficient circuit design, using the new developed 2 volt tubes, assures excellent performance over the short wave bands from 15 to 200 meters. In the short period since the receivers were first announced, reports have come in, from satisfied customers, of verified reception from practically all parts of the world. Part of the excellent performance of these receivers is due to the use of a uniquely bent chassis that serves to shield the tubes and coil from the body capacity of the user and from the tuning condenser, etc. Both a three tube model, using a 34 R. F. tube, a 32 Detector tube and 33 A. F. tube, and a two-tube model, using a 32 Detector and 33 A. F. tube are available. Shpg. wt. of Kits 5 lbs.

- Uni-Shielded 2-tube Kit** **\$5.75**  
**XN13975**—2-tube Kit, less tubes and coils. **Your Cost**.....  
**XN13976**—Tubes for the 2-tube receiver. **Your Cost**..... **\$1.52**  
**XN13977**—Set of 4 coils; 15 to 200 meters. **Your Cost**..... **\$1.10**  
 Complete set of Burgess "A" and "B" Batteries consisting of 3—240 45 V. "B"; 3—4 1/2 "C" Batteries and 2 Dry Cells. Shpg. wt. 35 lbs.  
**XY19864**—**Your Cost**..... **\$5.14**  
**Uni-Shielded 3-tube Kit** **\$6.75**  
**XN13978**—3-tube Kit, less tubes and coils. **Your Cost**.....  
**XN13979**—Tubes for the 3-tube receiver. **Your Cost**..... **\$2.15**  
**XN13980**—Set of 4 coils; 15 to 200 meters. **Your Cost**..... **\$1.25**



Eliminates all radiation from the battery cables. Uses a 76, a 36 and a 41 tube. Requires 6.3 volts for the filaments either from a storage battery or A. C. and 135 volts for "B" supply from batteries or eliminator. Equipped with volume control and on-off switch. Shpg. wt. 10 lbs.  
**XN13987**—HAIGIS Receiver less tubes and batteries. **Your Cost**..... **\$26.90**  
 Kit of tubes, 1-76, 1-36, 1-41..... **\$1.67**

### New! HAIGIS Models For 56-60 MC. Operation

#### Non-Radiating Receiver

A non-radiating Super-regenerative Receiver for use in 5 meter work. A new and original R. F. amplifier provides complete suppression of radiation via the antenna from the fully shielded detector plus plenty of amplification. Other features

#### Portaphone

A complete radio-telephone transmitter and receiver for operation on 5 meters. All batteries including 150 volts of "B" supply well contained. A new circuit. Ruggedly built. Carefully tested. Leather carrying handle. Card holders for field notes or logs. Uses a type 30 and 32 tube. Instructions include d. Shpg. wt. 10 lbs.  
**XN13798**—Portaphone less tubes and batteries. **Your Cost**..... **\$13.50**

#### TYPE AM DE LUXE

The popular AM model plus new features such as tone-teletaph, volume control, side tone, etc. Shpg. wt. 7 lbs.  
**XN13799**—AM De Luxe less tubes and batteries. **Your Cost**..... **\$19.20**

# Truest PLUG-IN COILS and FORMS

## Small Eared Coils and Forms

New small short wave coils wound on brown bakelite forms equipped with ears for handling. Three H. F. coils are spaced wound, two being wound with plated wire. Each coil individually color coded. Ranges: 10-21; 20-41; 40-81; and 80-200 meters with .00014 mfd. condenser. 4 coils to set.



XH10040—Set of 4 coils. Your Cost.....	89¢
Two broadcast coils—185 to 565 meters. XH10041—Your Cost.....	55¢
Ultra short-wave coil—9.5 to 21 meters. XH10039—Your Cost.....	35¢
4 coils similar to above but with 6 prongs and having primary, secondary and tickler windings. XH10042—Set of four. Your Cost.....	\$1.35
Two broadcast coils, similar to XH10041, but having three windings like above. XH10043—Set of two. Your Cost.....	89¢
Ultra short-wave coil—9.5 to 21 meters, similar to XH10039, but with three windings. XH10044—Your Cost, Each.....	40¢
Coil Forms only, similar to above, but no winding. XH10060—4-prong. Your Cost, Each.....	11¢
XH10061—5-prong. Your Cost, Each.....	11¢
XH10062—6-prong. Your Cost, Each.....	12¢
XH10063—7-prong. Your Cost, Each.....	18¢
XH10071—8-prong. Your Cost, Each.....	21¢
Set of four 4-prong forms Your Cost, Per Set.....	40¢
Set of four 6-prong forms Your Cost, Per Set.....	40¢
Set of four 6-prong forms. Your Cost, Per Set.....	42¢
Set of four 7-prong forms. Your Cost, Per Set.....	68¢
Set of four 8-prong forms. Your Cost, Per Set.....	78¢

## Bakelite Ribbed Coils and Forms

At lowest prices ever offered. Wound on special Low Loss bakelite forms which have extended ribs moulded on them, making the windings about 90% air core, and greatly increasing their efficiency. High frequency coils space wound to permit better tuning. Wave range printed on card and protected by a celluloid cover fits into patented feature on top of coil form. Four coils cover from 15 to 200 meters with a .00015 condenser. Four coils, 4-prong base, 15 to 200 meters.



XH9982—Your Cost, Set of Four.....	\$1.05
Two coils, like above, to cover the broadcast range 185 to 585 meters on .00015 condenser. XH9983—Your Cost, Set of Two.....	95¢
Ultra short-wave coil, 9.5 to 21 meters. 4-prong. XH9984—Your Cost, Each.....	40¢
Four coils, 6-prong base, similar to XH9982, but having primary, secondary and tickler windings. XH9985—Your Cost, Set of Four.....	\$1.50
Two broadcast coils, similar to XH9983, but having three windings like above. XH9986—Your Cost, Set of Two.....	\$1.10
Ultra short-wave coil, 9.5 to 21 meters, similar to XH9984, but with three windings. 6-prong base. XH9987—Your Cost, Each.....	50¢
Ribbed coil forms only, similar to the above, but no winding. XH9988—4-prong. Your Cost, Each.....	15¢
XH9989—5-prong. Your Cost, Each.....	16¢
XH9990—6-prong. Your Cost, Each.....	18¢
Set of four 4-prong forms Your Cost, Per Set.....	55¢
Set of four 5-prong forms Your Cost, Per Set.....	59¢
Set of four 6-prong forms Your Cost, Per Set.....	65¢

## Hammarlund "XP-53" S. W. Plug-in Coils

An entirely new high frequency dielectric material known as "XP-53" has been developed in the Hammarlund Laboratories by Hammarlund Engineers. This new material, having a far greater resistance at high frequencies than other materials heretofore used in short-wave work, is used exclusively in the new Hammarlund "XP-53" coils. It is unaffected by moisture or temperature. The coils are precision wound (with silver plated wire wherever possible) on "XP-53" ribbed coil forms. Both four-prong and six-prong coils are available. Four-prong coils have two windings and six-prong coils have three windings. Both fit standard sockets. These coils are compact in size measuring only 3 1/2 inches long and 1 3/16 inches in diameter. Shpg. wt. 1 lb.

**Short-Wave Coils—4-Prong**  
Two winding coils covering from 16 to 217 meters. Four coils to set. Full instructions included. All marked.  
XH9788—Set of four. Your Cost.....

**6-Prong Coils—3 Windings**  
Similar to the above, but with tickler winding. Set of four coils.  
XH9789—Your Cost.....

**Broadcast Coils—4-Prong**  
Two coils cover from 190 to 550 meters. One coil, 190 to 310 meters; other coil, 300 to 550 meters. Set of two.  
XH9790—Your Cost.....

Similar to the above, but with six prongs and three windings. Set of two.  
XH9791—Your Cost.....

**Ultra Short-Wave Coil**  
From 9.5 to 21 meters. Four-prong, your Cost, Each.....  
Similar to the above, but with six prongs and three windings. Set of two.  
XH9792—Your Cost, Each.....

**Coil Forms**  
Wound forms of "XP-53". Extremely low ss. Fit all standard sockets. Size 1 3/16" wide, 3 1/2" high.  
Your Cost, Each.....

Stock No	4-Prong	Your Cost, Each
XH9970	5-Prong	21¢
XH9971	6-Prong	24¢
XH9972		

## NA-ALD Short Wave Coil Selector Assembly



This new short-wave coil selector unit was designed to switch different coils into the circuit of a short wave set. Turning of knob instantly selects any one of four different coils. All 4, 5 and 6-prong coils are rigidly held by the specially constructed sockets without the need for adjustments of any kind. Knob and indicator on front of panel show what coil is in use. It is simple to install, compact in size and efficient in operation. Ideal for the short-wave set builder. Shpg. wt. 2 lbs.

**NA-ALD—Selector Unit, only** \$2.06  
Your Cost.....  
Type 700-V.  
Similar to the above but made of the new low loss Victrol material. \$4.41  
XK11660—Your Cost.....

## Truest Band Spread Coils

These Truest coils are provided with adjustable band-setting condensers mounted on top of each coil. Available for 20, 40, 80 and 160-meter Amateur bands, and for the 19, 25, 31, and 49-meter B. C. bands. For use with 140 or 150 mfd. tuning condenser. These coils offer the most practical method for spreading these bands over the entire tuning dial. Forms have five prong bases.

Stock No.	Meter Band	Stock No.	Meter Band
XH9973	19	XH9977	40
XH9974	20	XH9978	49
XH9975	25	XH9979	80
XH9976	31	XH9980	160
Your Cost, Each			
Any Type.....			55¢

## Truest Tube Base S. W. Coils

A new and novel addition to the Truest line of short-wave equipment. Although midget in size, however, they are highly efficient in operation. All have four-prong bases. Shpg. wt. 1 lb.  
XH9981—Set of four coils, 15 to 200 meters.  
Your Cost, Special.....



## Front Panel Plug-In Coils



Each coil is completely shielded and the wire is protected by adequate insulation. Wound on genuine ribbed bakelite forms 1 1/8" in diam. by 3 1/2" high. Precision winding and extremely low loss makes these coils highly efficient. Have handle grip. Shield essential.

**Front Panel Coil Shields**  
Designed especially for I. C. A. handle grip coils. Come completely mounted with bakelite socket, ready to attach.  
XH9786—4-prong socket.  
XH9787—6-prong socket.  
Your Cost, Each, Either Type.....

**Short-Wave Coils—4-Prong**  
From 16 to 217 meters with four coils. Green coil from 16 to 36 meters; brown coil from 33 to 65 meters; black coil from 67 to 115 meters; red coil from 108 to 217 meters.  
XH9780—Set of four. Your Cost.....

**6-Prong—3 Windings**  
Similar to the above, but with primary, secondary and tickler windings. Wound on six-prong form.  
XH9781—Set of four. Your Cost.....

**Broadcast Coils—4-Prong**  
Cover from 190 to 550 meters with two coils. One coil, 190 to 310 meters; other, 300 to 550 meters.  
XH9782—Set of two. Your Cost.....

**6-Prong—3 Windings**  
Similar to the above, but with primary, secondary and tickler windings.  
XH9783—Set of two. Your Cost.....

**Ultra Short-Wave Coil**  
XH9784—Covers from 9.5 to 21 meters. Four-Prong. Your Cost, Each.....

Similar to the above, but with six prongs and three windings.  
XH9785—Your Cost, Each.....

# NATIONAL Short



## NATIONAL "FB-7A" "FBX-A" Receivers

- High Selectivity and Sensitivity
- Uniform Gain over Entire Frequency Range
- Two I. F. High Gain Stages
- Seven Tubes not including Rectifier
- Band Spread and Full Range Coils
- Full Range 34 MC to 1500 KC

The "FB-A" designed primarily for the experienced amateur operator, is a seven tube (plus Rectifier) super-critical Receiver, having exceptional sensitivity, selectivity, stability and all other characteristics essential in order to contend with the crowded conditions of the Amateur C. W. and Phone Bands. Amplified sensitivity and selectivity are assured through the use of a circuit employing two stages of High Gain I. F. Amplification (six tuned circuits) while individual filtering of all circuits, including the Oscillator, together with thorough shielding, results in unusual stability. Variation of the Volume Control has no perceptible effect on the pitch of C. W. signals, even at 14 M. C. The Receiver has no appreciable effect on the pitch of C. W. signals, even at 14 M. C. The Receiver has no appreciable effect on the pitch of C. W. signals, even at 14 M. C. The Receiver has no appreciable effect on the pitch of C. W. signals, even at 14 M. C. The Receiver has no appreciable effect on the pitch of C. W. signals, even at 14 M. C.

**XM13867**—FB-7A Receiver, with Air Dielectric Condensers in I. F. Amplifier, completely wired, less coils, power supply and tubes. List \$62.50.  
Your Cost **\$37.50**

**XM13874**—Complete kit of RCA Tubes, 1-59, 1-57, 2-58's, 1-59, 2-24's. Your Cost... \$4.70

### FBX-A Single Signal Receiver

Fully realizing the tremendous advantage of "Single Signal" reception in connection with C. W. reception, the National Co. has engineered a set employing a mechanical filter. This model is designated as the **FBX-A**, and is essentially the same as the **FB-7A** except for the addition of the quartz crystal with its associated "selectivity control" condenser and multi-point switch. Both the **FBX-A** and the **FB-7A** operate from standard power packs described on another page, or with a filament transformer and "B" batteries. Both sets enclosed in a metal cabinet with black crackle finish. Shpg. wt. 25 lb.

**XM13871**—FBX-A, completely wired with Crystal, and Air Dielectric Condensers tuned I. F. Trans., less coils, power supply and tubes. List \$86.50.  
Your Cost **\$51.90**

**XM13877**—5ED7AB Special Power Supply for either Receiver: full rated high voltage for 59 tubes, 115 volts, 60 cycle. List \$26.50.  
Your Cost, Less Tube **\$15.90**

## NATIONAL SW-3 AC, DC and Battery Models



The new SW-3 Receiver employs a Circuit consisting of one R. F. stage, transformer coupled to a regenerative Detector and one stage of Impedance coupled Audio. This circuit with thorough shielding, "grooved" "R-39" coil forms, Isolantite insulated Condensers and tube sockets, etc., provides maximum sensitivity and flexibility with the fewest tubes. Single tuning Dial operates a precisely adjusted two-stage Condenser. Regeneration control is smooth and noiseless with no backlash or "fringe" howl. Volume Control is calibrated from one to nine, in steps corresponding to the "R" scale. A. C. Model uses 2-58's and 1-27; the 6 volt Model uses 2-6's and 1-37 and the 2 volt D. C. Model uses 2-22's and 1-30 Tubes. Cabinet dimensions are 9 1/2" x 9 1/2" x 7 1/2". For A. C. use the National 500 AB Power Supply is preferred. The D. C. Model can be operated from a filament transformer and "B" Batteries or "B" Eliminator, as well as from "A" and "B" Batteries. Prices quoted below are for either the A. C. or D. C. Model. When ordering specify the type, and for D. C. the voltage tubes to be used. Coils are listed below. Shpg. wt. 20 lbs.

**XM13817**—A. C. **XM13819**—D. C.—SW-3 Receiver, less coils and less power supply.  
List Price \$32.50. Your Cost **\$19.50**

**XM13807**—5880AB Power Supply for this receiver. List Price \$26.50. Your Cost, Less Tube **\$15.90**

## NATIONAL Pre-Selector

Especially designed for use with the National FB Receivers though it may be used with any make of short wave super-heterodyne. The addition of this unit to the FBX-A receiver makes a combination that is practically equal to the AGX receiver. The only essential difference being that the combination will have two control dials of foms as in the AGX receiver, and the automatic volume control not acting upon the pre-selector stage. Image frequency suppression, an improved signal to noise ratio and increased selectivity are only a few of the many advantages to be obtained through the use of this unit. If you are greatly bothered by Q.M. you will be pleasantly surprised at the difference this unit will make.



**XM14464**—National Pre-Selector Type PSE. With one plug-in coil. Shpg. wt. 14 lb.  
List \$25.00  
Your Cost **\$15.00**

Additional coils are listed below. Your Cost Each... \$3.60

## Plug-in Type Inductors

Made of ultra low loss form material R-39, developed for Short Wave use. The "10" series are used for original A. C. and D. C. 3-tube amateur receivers—A. C. SW-5, A. C. SW-45, D. C. SW-24 Short Wave Thrill Boxes, and the new D. C. SW-3. The "60" series Coils are used in the A. C. SW-58, and the latest A. C. SW-3. The special Band Spread Coils are designed so as to permit 50 dial division spreading on the amateur bands.



GENERAL COVERAGE COILS "10" SERIES				GENERAL COVERAGE COILS "60" SERIES			
Stock No.	Coil No.	Meter Range	Your Cost Per Pair	Stock No.	Coil No.	Meter Range	Your Cost Per Pair
XM14400	10	9-15	\$3.00	XM14465	60	9-15	\$3.00
XM14401	11	14-25		XM14466	61	14-25	
XM14402	12	23-41		XM14467	62	23-41	
XM14403	13	40-70		XM14468	63	40-70	
XM14404	14	65-115		XM14469	64	65-115	
XM14405	15	115-200	\$3.30	XM14470	65	115-200	\$3.30
XM14406	16	200-350		XM14471	66	200-350	
XM14407	17	350-550		XM14472	67	350-550	
XM14408	18	550-850					
XM14409	19	850-1200					
XM14410	20	1200-1500	\$4.80	XM14473	68	550-850	\$3.90
XM14411	21	1500-2000					

## BAND SPREAD COILS "10" SERIES

Stock No.	Coil No.	Band	Your Cost Per Pr.
XM14417	10-A	10	\$3.00
XM14412	11-A	20	
XM14413	12-A	40	
XM14414	13-A	80	
XM14415	14-A	160	
XM14416	15-A	320	

## BAND SPREAD COILS "60" SERIES

Stock No.	Coil No.	Band	Your Cost
XM14446	60-A	10	\$3.00
XM14435	61-A	20	
XM14436	62-A	40	
XM14437	63-A	80	
XM14438	64-A	160	
XM14439	65-A	320	

## NATIONAL "FB-7A" Coils



The Plug-in Coils employed in the "FB-7A" are essentially the same as those developed originally for the "AGS" Receiver. The windings are an accurately threaded form of R-39, the low loss dielectric, protected from damage by an outside sleeve of Bakelite. The regular type and the band spread coils are interchangeable as they both are supported in a single plug coil base. The "FB-7A" with the band spread coils makes an ideal amateur type receiver. Both type coils are furnished with air dielectric condenser.

Stock No.	Coil	Range	Search No.	Coil	Range	Your Cost Per Pair	
XM14440	AB-20	20 Meter B. S.	XM14456	FB-AA	5000 to 15000	\$6.00	
XM14441	AB-50	50 Meter B. S.	XM14457	FB-AB	2500 to 11000		
XM14442	AB-80	80 Meter B. S.	XM14458	FB-BC	1100 to 2000		
XM14443	AB-100	100 Meter B. S.	XM14459	FB-CD	200 to 4500		
XM14444	FB-1	1500 to 100 Kc.	XM14460	FB-D	1000 to 2000		
XM14445	FB-2	250 to 1500					

## "R-39" Coil Forms

**XM14418**—  
**XM14419**—  
**XM14420**—  
**XM14421**—  
Your Cost  
Either Type **45¢**

## "MIDGET"

Low loss form material. Ultra-  
thin and lightweight. 4-point contact  
diameters. 1 1/2" high. Coils  
**XM14424**  
Your Cost Each **30¢**



# Wave EQUIPMENT



## NATIONAL "AGS" and "AGS-X" Communication Type S. W. Receivers

The National "AGS" is a professional Short Wave Receiver developed for National Engineers in accordance with the Army's Division of the U. S. Department of Commerce, to meet the demand for a receiver in which considerations of price and reliability are combined with those of performance and reliability. All important components are standard production items which are highly dependable for the average user. High signal to noise ratio, which is essential to the reception of weak signals. In this Receiver, you may also be sure of a 10 dB signal gain in sensitivity, and almost complete immunity to interference. The "AGS-X" offers a still further refinement in the use of a single 9-tube chassis which does all providing the intermediate frequency.

### "OUTSTANDING FEATURES"

Among the many outstanding features of this remarkable receiver are: Tuned R. F. stages providing the best theoretical selectivity and maximum signal-to-noise ratio; a frequency drift-air-purified oscillator; an electronic tuning indicator on the I. F. amplifier; Single 9-tube, I. F. Choking I.P.T. & Cathode bypass and station hunt on panel; Cathode bypass from front panel; A. V. C. or M. V. C. to choice of selection.

### Rugged "Vibration-Proof" Construction

Extremely rigid mechanical construction from very heavy aluminum plates. Fully rack or panel mounted (Panel 11-1/2" x 17-1/2" x 3-1/2" deep; Rack 12-1/2" x 17-1/2" x 3-1/2" deep) special slots available. Helium-type magnets for C. T. or A. C. or Battery operation. Panel search for panel or speaker. Each model is a professional grade product.

### 9-TUBE SUPERHETERODYNE

Both the "AGS" and the "AGS-X" employ nine tubes in a super-heterodyne circuit, comprising a pre-selector stage of tuned coils, a driver amplifier, and first detector using common grid tuning with frequency stabilization; two stages of I.F. gain air-tuned I. F. amplifiers; A. P. power detector; automatic volume control, working in conjunction with both R. F. and I. F. amplifiers; beat frequency oscillator; and audio output with provision for either headphones or loud speaker. Tubes used are 2-250s, 1-47s, 1-45s, 6X4s, 6AR5s.

**KN1335E** "AGS" Model, complete cabinet; Laboratory tested, with coils to cover 1200 to 22,000 KC. **\$159.00**

Your Cost  
**KN1335C** "AGS-X" Model, complete "AGS" Model kit with single chassis and parts list included. **\$177.00**

Your Cost  
**KN1335B** "AGS-X" Model, complete "AGS" Model kit with single chassis and parts list included. **\$177.00**

Your Cost  
**KN1335D** "AGS-X" Model, complete "AGS" Model kit with single chassis and parts list included. **\$177.00**

## The New NATIONAL Cathode Ray Oscilloscope for Checking

Per Cent Modulation  
R. F. Signal Distortion  
Class C Amp. Excitation



This Cathode Ray Oscilloscope offers a means of checking both phase and C. W. transmission by providing an instantaneous graphic picture of the actual operating conditions in transmitter circuits. Percentage Modulation, Signal Distortion, and Peak Voltages, for instance, are indicated directly, and results are more easily interpreted. The Cathode Ray tube used is an RCA type 100, having a high resolution screen type for most accurate results. No time-consuming procedure of focusing has to be made, as the deflection is accomplished by the transmitter for this purpose. The resulting "waveform" pattern may be observed more clearly, and percentage modulation more easily calculated with greater accuracy. However, the linear screen may be any type if it is noted necessary for special work. The unit is completely enclosed, the power supply and controls being completely disconnected from the cabinet, and the unit being completely protected from dust. Cabinet is finished in black enamel. Size 9-1/2" x 12-1/2" x 4-1/2".

**\$17.70**

Your Cost  
**KN1335A** Cathode Ray Oscilloscope, complete with 6-inch screen, **\$18.00**

## Code Practice Oscillator



Using the best 9-tube chassis employing the virtues of an audio transformer to provide modulation, the unit is furnished with four flashlight cells which operate the unit and provides all necessary frequency and cycle control. A tone of 1000 cps. The "chime" will test this unit very useful for transmitting I.C.W. signals. Size 9-1/2" x 4-1/2" x 4-1/2".

Your Cost  
**KN14018** Code Practice Oscillator, complete with 9 tubes, **\$3.60**

Your Cost  
**KN14019** Code Practice Oscillator, complete with 9 tubes, **\$3.60**

## Rack and Panels for "AGS" or "AGS-X"

Either the "AGS" or the "AGS-X" may be mounted in a standard size rack as illustrated. However, the rack illustrated are as follows, from top to bottom:

1. National Specialty Panel consisting of a permanent impedance dynamic speaker mounted on a standard 8-3/4" panel. Equipped with a matching transformer and controls.

**KN1339** CIP Speaker and Panel, 11-3/4" x 17-1/2". **\$18.00**

Your Cost  
**KN1338** CIP Coil Rack, 11-3/4" x 17-1/2". **\$9.00**

Your Cost  
2. This is the standard model with either the AGS or AGS-X chassis on top.

3. This is the Power Supply rack as listed on this page.

4. This is the lightweight "bookshelf" rack designed especially for smaller stations. It is made of steel with brass mesh and is drilled and tapped for the standard panels, 11-3/4" wide and 17-1/2" high.

**KN1340** Bookshelf Rack, 11-3/4" x 17-1/2". **\$13.50**

Your Cost



## Power Units

These Power Units were developed especially for Amateur Short Wave Experiment. Come with a special Radio Frequency Filter. Type 2540 "B" Eliminator - Adjustable impedance for the following voltages: 225 volt for Deflection 1150 volt for R. F. 50-115 volt for A. P. Full 100 volt with an adjustment for Power Tubes. Has a standard lamp socket. Uses 7D sockets.

**KN1410** Elm 115-50. **\$9.90**

Your Cost  
Type 2544B - Power Supply for the 115 V. A. C. RW-3 and A. C. SW-5 using 7D sockets in each pair stage. 100-125 volts. 25-40

**KN1387** - Power Supply for the 115 V. A. C. RW-3 and A. C. SW-5 using 7D sockets in each pair stage. 100-125 volts. 25-40

**KN1388** - Power Supply for the 115 V. A. C. RW-3 and A. C. SW-5 using 7D sockets in each pair stage. 100-125 volts. 25-40

**KN1361** - Power Supply for the 115 V. A. C. RW-3 and A. C. SW-5 using 7D sockets in each pair stage. 100-125 volts. 25-40

**KN1362** - Power Supply for the 115 V. A. C. RW-3 and A. C. SW-5 using 7D sockets in each pair stage. 100-125 volts. 25-40

**KN1363** - Power Supply for the 115 V. A. C. RW-3 and A. C. SW-5 using 7D sockets in each pair stage. 100-125 volts. 25-40



Type 2574B - Power Supply for use with 7D-7s and 7D-3s. High impedance for 50-115 volt. 115 volts, 40 cycles.

**KN1377** - Power Supply, 115 volts, 60 cycles. **\$15.90**

Your Cost  
Type 2568A - Power Supply for use with 7D-7s and 7D-3s. High impedance for 50-115 volt. 115 volts, 60 cycles.

**KN1376** - Power Supply, 115 volts, 60 cycles. **\$20.70**

Your Cost  
Type CRSPH - Special Rack Mounted Power Supply for the "AGS" Receiver as illustrated in this Rack. 115 volts, 60 cycles.

**KN1378** - Power Supply, 115 volts, 60 cycles. **\$29.70**

Your Cost

## Air-Tuned Intermediate Transformers



The original National Air-Tuned Intermediate Transformer has been completely redesigned to meet the needs of the amateur radio enthusiast. All adjustments to suit of standard coils having positive readability. It features a type of inductive coupling which eliminates the need for a variable capacitor. It is available in 175, 200, 225, 250, 275, 300, 325, 350, 375, 400, 425, 450, 475, 500, 525, 550, 575, 600, 625, 650, 675, 700, 725, 750, 775, 800, 825, 850, 875, 900, 925, 950, 975, 1000 cycles. Best available at its equipped with a variable capacitor. Size 9-1/2" x 4-1/2" x 4-1/2".

**KN1441** - 175 KC. I. F. **\$3.00**

Your Cost  
**KN1442** - 200 KC. I. F. **\$3.00**

Your Cost  
**KN1443** - 225 KC. I. F. **\$3.00**

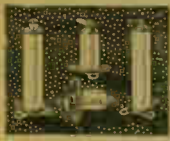
Your Cost  
**KN1444** - 250 KC. I. F. **\$3.00**

Every Day is BARGAIN DAY at Wholesale Radio Service Co. Inc.



# NATIONAL Short

## "THE NEW DIELECTRICS"



This new line uses the three highest grade dielectric materials known: Isolantite, Steatite and Victron. Steatite is a white ceramic material especially developed for use in H. F. Circuits. Victron possesses almost incredible electrical properties, its loss factor being 1/30th that of Low Loss Hard Rubber. Is non-hydroscopic; its tensile strength about 6,500 lbs. per sq. in.



### Stand-off Insulator

Long and slender, makes excellent core for H. F. Isolantite chokes.  
XN14479—WGS-1. 1 1/2" high.  
**Your Cost Each 15¢**  
XN14480—WGS-2. 2 1/2" high.  
**Your Cost Each 21¢**  
Metal mounted, like smaller units. Isolantite. Are efficient, strong and convenient. Dia. 3/4".  
XN14481—WGS-3. 2 1/2" high.  
**Your Cost Each 48¢**  
XN14482—WGS-4. 4 1/2" high.  
**Your Cost Each 60¢**

### Stand-off Insulators

Steatite. In 3 sizes. 1 1/4" high. 1 1/2" x 2" high. 1 1/2" x 3" high. Tapped both ends.  
XN14483—WGS-5. 1 1/4" high.  
**Your Cost Each 15¢**  
XN14484—WGS-6. 2" high.  
**Your Cost Each 21¢**  
XN14485—WGS-7. 3" high.  
**Your Cost Each 39¢**  
Steatite. Dia. 1 1/4".  
XN14486—WGS-8.  
**Your Cost Each 15¢**



### High Frequency Bushings

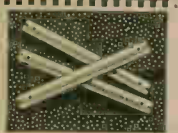
Steatite. Has a variety of uses for bushings, supports and lead mounts.  
XN14488—WXS-1. 1x1 1/2" high.  
**Your Cost Per Pair 36¢**  
XN14489—WXS-2. 1 1/2x1 1/2" high.  
**Your Cost Per Pair 48¢**  
Steatite. For high H. F. Voltages. Conform to lines of electrical stress. Prices include metal fittings.  
XN14490—WXS-3. 2 1/2x2 1/2" high.  
**Your Cost Per Pair \$1.98**  
XN14491—WXS-4. 3 1/2x2 1/2" high.  
**Your Cost Per Pair \$3.60**

### Fifty Watt Socket

One piece, all Steatite, positive contacts. No metal shell, cannot break down. No arcing. 2 1/2" x 2 1/2" high. An unusual socket.  
XN14492—XC-50—List \$3.50  
**Your Cost Each \$2.10**

### NOTE

It is impossible within the amount of space available to list the entire National line. We can supply any National product made and can also supply such new items as may be announced from time to time.



### Strain Insulator

Aircraft type. Used in mobile, portable and police installations. Being loaded in compression, it provides great mechanical strength. Is 1 1/2" x 1 1/2" long.  
XN14497—AA-5.  
**Your Cost Each 11¢**

### Spreader

Conventional in design, unusual in efficiency  
XN14498—AA-3. 6" long. Steatite.  
**Your Cost Each 18¢**

### High Voltage Shaft Coupling

Is antite, insulated, rugged. No backlash. Bored for 1/2" or 3/4" shafts.  
XN14396—TX-4. 3 1/2" long.  
**Your Cost Each \$4.20**  
XN14397—TX-5. 5" long.  
**Your Cost Each \$4.65**  
XN14398—TX-7. 7 1/2" long.  
**Your Cost Each \$5.10**  
Isolantite, insulated. For 1/2" shafts. Excellent design features. Leakage path 1/4" less than overall length.  
XN14501—TX-1. 1 1/2" long.  
**Your Cost Each 60¢**  
XN14502—TX-2. 3 1/2" long.  
**Your Cost Each 66¢**

### Five Meter Coil

Heavy copper air spaced winding, Steatite base. For 5 meter transmitters, receivers, etc.  
XN14449—XR-9 complete.  
**Your Cost Per Coil 27¢**

### Transposition Block

Wafer-thin, made of Victron. Especially light weight. They remove weight where it is most objectionable and reduce losses to a minimum.  
XN14503—AA-1.  
**Your Cost Each 18¢**

### Antenna Insulator

Of Steatite. Was designed for general amateur use. Length provides an pieleakage path; cross-section provides ample strength.  
XN14499—AA-6. 4 1/2" long.  
**Your Cost Each 15¢**  
For heavy loads. Combines great strength with low losses. The Steatite bar is 3/4" diameter and has a leakage path of 1/4". Bronze fittings.  
XN14500—AA-7. 12 1/2" long.  
**Your Cost Each \$3.00**

## VELVET VERNIER DIALS

### Type "G" Dial

The Scale is projected onto a ground glass screen on the dial opening by a brilliant illuminator. Figures greatly enlarged and easy to read from any angle. Beautiful burnished silver escutcheon. Shpg. wt. 3 lbs. Monocolor-standard green.

XN14353—Counter-clockwise; 0 to 100; 180°. List \$3.75  
XN14354—Clockwise; 150 to 0; 270°. List \$3.75  
**Your Cost, \$2.25 Either Type**



### Type "H" Drum Dial

Employs the patented drum dial mechanism with its powerful non-conducting drive, and spring take-up. Ratio 10 to 1. List \$5.50.

**GREEN**  
XN14355—Counter-clockwise; 0 to 100.  
XN14356—Clockwise; 100 to 0.  
**Your Cost, Either Type \$3.30**

**RAINBOW**  
XN14357—Counter-clockwise; 0 to 100.  
XN14358—Clockwise; 100 to 0.  
**Your Cost, Either Type \$3.30**

**GREEN 370°**  
XN14359—Clockwise; 150 to 0.  
**Your Cost \$3.30**

### Type "E" Dial

This dial embodies a Velvet Vernier disc type of mechanism that assures a positive drive on condensers mounted perpendicular to the front panel. Ratio 10 to 1; Hammered Silver or Bronze finish escutcheon plate. Fits 1/4" shaft; also supplied at 3/8" at no extra cost. Shpg. wt. 5 lbs.

XN14350—Dual 0-100-0.  
XN14351—200 to 0. List \$2.75  
**Your Cost \$1.65 Either Type**  
XN14352—Illuminator.  
**Your Cost 30¢**



### Type "F" Dial

Same appearance as the above dial but is a drum type having a white scale. Automatic take-up spring. Ratio 10 to 1. For 1/4" shaft. Can be illuminated. Shpg. wt. 3 lbs.

XN14474—180° counter-clockwise; 0 to 100. List \$4.00  
**Your Cost \$2.40**  
XN14475—Illuminator. 30¢

### Neutralizing Condenser



This is a compact and efficient condenser and is particularly suitable for neutralizing 47, 10 and 50 p.f. in amplifier doubler stages. minimum capacity. Isolantite insulated plates. Maximum capacity 18 p.f. peak voltage breakdown 3000 volts. Shpg. wt. 1 lb.  
XN14476—List \$2.00  
**Your Cost \$1.20**

### Experimenter's Condenser

Designed to meet the demand for a low priced mid-gate condenser that can be used for experimental purposes. Non-corrosive brass plates mounted on a sturdy frame. Six stator-six rotor. Capacity 100 mmfd. Suitable for receiving or low power x'mtg. Shpg. wt. 1 lb.  
XN14322—List \$1.00  
**Your Cost 60¢**



# Wave EQUIPMENT



## NATIONAL Vernier Dials



**TYPE "A"**  
This type "A" with its smooth matchless mechanism, gives perfect control for highly selective circuits. The gearless transmission used permits a motion that is even and regular throughout. No backlash exists; none can develop. Assuring a positive even drive always. Ratio 5 to 1.  
XN14375—4" dia. clockwise; 200 to 0; 360°.  
XN14376—4" dia. clockwise; 150 to 0; 270°.  
XN14373—3 3/8" diameter; counter-clockwise; 0 to 100; 180°.  
**Your Cost Each.....\$1.80**



**TYPE "B" and "BM"**  
Variable ratio of 6 to 1 and 20 to 1. Black bakelite shell. 4" diameter. Type "B" is without light or bracket.  
XN14367—Clockwise; 200 to 0; 360°.  
XN14368—Dual; 0 to 100 to 0; 180°.  
**Your Cost Each.....\$1.65**

**Dial Illuminator and Bracket**  
XN14352—List 50c.  
**Your Cost.....30¢**

**TYPE "BM"—3" Dial**  
Similar to Type "B". Diameter 3". Does not incorporate variable ratio feature, and is not illuminated. List \$2.50.  
XN14371—Dual range; 0 to 100 to 0.  
XN14372—Clockwise; 200 to 0.  
**Your Cost, Each.....\$1.50**



**TYPE "N"**  
This is a 4" Precision Instrument Dial, equipped with original, and unexcelled Velvet Vernier mechanism, assuring a smooth, positive, and reliable drive. Reading possible to 1-10 of a division. Ratio 5 to 1.  
XN14363—0 to 100; 180°.  
XN14365—150 to 0; 270°.  
XN14364—100 to 0; 180°.  
XN14366—200 to 0; 360°.  
**List \$6.75. Your Cost Each.....\$4.05**



**TYPE "NW"**  
A 6" Precision Dial, with standard Velvet Vernier mechanism, with firm and positive drive. It is capable of extreme precision. Flush Vernier eliminating parallax. Reads to a tenth of a division, and may be estimated to a twentieth. Equipped with a three-point variable ratio. Mounting exceedingly easy. Standard size hub 3/8".  
XN14360—100 to 0; 180°.  
XN14361—150 to 0; 270°.  
XN14362—200 to 0; 360°.  
**List \$15.00. Your Cost Each.....\$9.00**

### Full Vision Dial



Used by many manufacturers of Short Wave Receivers, this dial has been found to be one of the finest made for this purpose. It fills a definite need for a dial having none of the failings usually so noticeable in a unit of this type. The scale is fully seven inches in length, insuring accuracy of reading, which is quite essential in high frequency work. There is ample separation between calibrations. The pointer moves evenly across the scale, and remains vertical at all positions. The mechanism is similar to that of the type "E", noted for its smooth and positive drive which improves with use. The escutcheons can be supplied in either Silver or Antique Bronze, and is easily mounted with four small screws.  
XN14378—0-100; 180°; counter-clockwise.  
XN14379—0-100; 270°; counter-clockwise.  
XN14377—100-0; 180°; clockwise.  
**List \$4.50. Your Cost Each.....\$2.70**



## NATIONAL MIDGET CONDENSERS



SEU



SEH



STD



STS



SE

**No Shorted Turns.** A basic feature of all two-bearing National Midget Condensers is the insulated front bearings, resulting in no shorted turns.  
**Exclusive Constant-Impedance Pig-tail,** a patented National feature. One of the many advantages that make National Midgets such consistent and invariable performers. This electrically perfect connection to the rotor eliminates the noise crackle and varying impedance (A. C. Inductance) of the brush type of contact.

**Insulatite,** acknowledged high efficiency dielectric, is used for insulating National Midgets—reducing dielectric losses to a minimum.

**Aluminum plates;** thick, polished all over, with wide polished rounded edges, are used in the National SEU Ultra-High-Frequency Midgets. Non resonant characteristics of aluminum plates prevent microphonic feed-back from plate vibration.

**National Condenser Designations**  
SE—270-degree rotation, SFL. SS—180-degree rotation, SLW. SS—180 degree rotation, SLC. H—High capacity—close spacing. U—Ultra short wave—extra wide spacing. HS—High capacity, single bearing. D—Dual type. N—Neutralizing Condenser.

Stock No.	National Type No.	Capacity in Mmf.	Air Gap	No. of Bearings	Plate Shape	Rotor Plates	Stator Plates	Depth behind Panel	Your Cost
XN14291	ST- 50	50	.026	2	180°	6	5	2 1/2"	\$1.08
XN14293	100	100	.026	2		10	10	2 1/2"	1.35
XN14294	150	150	.026	2		15	14	2 1/2"	1.50
XN14295	STH-200	200	.0175	2		14	13	2 1/2"	1.65
XN14296	250	250	.0175	2		16	16	2 1/2"	1.80
XN14299	STN-18	18-3000v.	.065	1		4	3	1 1/2"	1.20
XN14303	STD- 50	50 per sec.	.026	2	180°	6 per sec.	5 per sec.	2 1/2"	2.10
XN14304	STHD-100	100 per sec.	.0175	2	S.L.W.	7 per sec.	7 per sec.	2 3/4"	2.70
XN14305	SS- 50	50	.026	2	180°	5	4	2 1/2"	1.08
XN14306	75	75	.026	2	S.L.C.	7	6	2 1/2"	1.20
XN14307	100	100	.026	2		9	8	2 1/2"	1.35
XN14308	150	150	.026	2		12	12	2 1/2"	1.50
XN14309	SSH-200	200	.0175	2		11	10	2 1/2"	1.65
XN14310	250	250	.0175	2		13	13	2 1/2"	1.80
XN14311	300	300	.0175	2		16	15	2 1/2"	1.95
XN14312	350	350	.0175	2		18	18	2 3/4"	2.10
XN14313	SSN- 18	18-3000v.	.065	1		3	3	1 1/2"	1.20
XN14314	20	20	.0175	1		1	2	1 1/2"	.84
XN14315	30	30	.0175	1		2	2	1 1/2"	.90
XN14316	50	50	.0175	1		3	3	1 1/2"	.96
XN14317	SSD- 50	50 per sec.	.026	2	180°	5 per sec.	4 per sec.	2 3/4"	2.10
XN14318	SSHD-100	100 per sec.	.0175	2	S.L.C.	5 per sec.	5 per sec.	2 3/4"	2.70
XN14319	150	150 per sec.	.0175	2	S.L.C.	8 per sec.	8 per sec.	2 3/4"	3.00
XN14280	SE- 50	50	.026	2	270°	6	5	2 1/2"	1.80
XN14282	100	100	.026	2		10	10	2 1/2"	2.10
XN14283	150	150	.026	2		15	14	2 1/2"	2.25
XN14285	250	250	.0175	2		16	16	2 1/2"	2.40
XN14287	335	335	.0175	2		22	21	2 1/2"	2.55
XN14288	SEU- 15	15	.055	2		3	3	2 1/2"	1.50
XN14290	25	25	.055	2		5	4	2 1/2"	1.65

Shafts 1/8" dia. Standard rotation clockwise, counter-clockwise on special order. Special order above with shaft extending through rear bearing for ganging.  
**Any intermediate capacity may be had in any of the above types. The list price would be the same as the next higher capacity listed.**

### NATIONAL Type 800 Neutralizing Condenser

Due to the extremely low capacity required for neutralizing the new 800 tubes an entirely different design of condenser had to be devised. Micrometer adjustment of capacity. Insulatite insulation. Shpg. wt. 2 lbs.  
XN14259—**\$1.80**  
**Your Cost.....\$1.80**



### Frequency Meter Condenser

Especially designed for use in frequency meters and monitors. A fixed minimum capacity of 40 mmds. with a maximum capacity of 75 mmds. When used with 100 division dial will spread bands over 80 degrees. Shpg. wt. 2 lbs.  
XN14320—**\$3.30**  
**Your Cost.....\$3.30**



**We Will Not Knowingly Be Undersold**

# UTC

# Transmitting TRANSFORMERS

TYPE PA M.T.G.



## Input Transformers Class "B"

- XE5350 - 250, 200 or 50 ohm line to 2-24 grids. Type PA-3. Shpg. wt. 5 lbs. **Your Cost \$3.30**
- XE5351 - 500, 200 or 50 ohm line to 2-24 grids. Type PA-3. Shpg. wt. 5 lbs. **Your Cost \$3.30**
- XE5352 - P. P. 2A5 or 2A6 or 2A7 or 2A8 or 2A9 or 2A10 or 2A11 or 2-24 grids. Type PA-2. Shpg. wt. 5 lbs. **Your Cost \$3.90**
- XE5353 - P. P. 2A5 or 2A6 or 2A7 or 2A8 or 2A9 or 2A10 or 2A11 or 2-24 grids. Type PA-2. Shpg. wt. 5 lbs. **Your Cost \$4.50**
- XE5354 - P. P. 2A3 plate to 2-20 A grids. Type PA-3. Shpg. wt. 4 lbs. **Your Cost \$5.10**
- XE5355 - 500, 200 or 50 ohm line to 2-46 or 59 grids. Type PA-2. Shpg. wt. 5 lbs. **Your Cost \$4.50**
- XE5356 - 500, 200 or 50 ohm line to 20 A grids. Type PA-2. Shpg. wt. 5 lbs. **Your Cost \$6.00**
- XE5357 - P. P. 2A3 plate to 2-50 B, 600, RK18 or 10 grids. Type PA-2. Shpg. wt. 4 lbs. **Your Cost \$4.50**
- XE5358 - 1949 or 2A5 or 2A6 or 2A7 plate to 2 "A Prime" 2A5 or 42 grids. Type PA-1. Shpg. wt. 5 lbs. **Your Cost \$3.30**
- XE5359 - 500, 200 or 50 ohm line to 2-80 B, 800, RK18 or 10 grids. Type PA-2. Shpg. wt. 5 lbs. **Your Cost \$4.50**

## Swinging Input Chokes

- XE5345 - 25 to 250 ohms at 25 to 100 M. A. D.C. resistance 200 ohms. Max. D.C. volts 2000. Type PA-3. Shpg. wt. 2 lbs. **Your Cost \$3.00**
- XE5346 - 25 to 250 ohms at 25 to 100 M. A. D.C. resistance 200 ohms. Max. D.C. volts 2000. Type PA-3. Shpg. wt. 2 lbs. **Your Cost \$4.80**
- XE5347 - 25 to 250 ohms at 25 to 100 M. A. D.C. resistance 200 ohms. Max. D.C. volts 2000. Type PA-3. Shpg. wt. 2 lbs. **Your Cost \$7.20**
- XE5348 - 20 to 100 ohms at 25 to 100 M. A. D.C. resistance 200 ohms. Max. D.C. volts 2000. Type PA-3. Shpg. wt. 2 lbs. **Your Cost \$12.00**
- XE5349 - 5 to 25 ohms at 25 to 100 M. A. D.C. resistance 200 ohms. Max. D.C. volts 2000. Type PA-3. Shpg. wt. 2 lbs. **Your Cost \$12.00**

## Trap Resonant Smoothing Chokes

- XE5340 - 25 to 250 ohms at 25 to 100 M. A. D.C. resistance 200 ohms. Max. D.C. volts 2000. Type PA-3. Shpg. wt. 2 lbs. **Your Cost \$3.00**
- XE5341 - 25 to 250 ohms at 25 to 100 M. A. D.C. resistance 200 ohms. Max. D.C. volts 2000. Type PA-3. Shpg. wt. 2 lbs. **Your Cost \$4.80**
- XE5342 - 25 to 250 ohms at 25 to 100 M. A. D.C. resistance 200 ohms. Max. D.C. volts 2000. Type PA-3. Shpg. wt. 2 lbs. **Your Cost \$7.20**
- XE5343 - 20 to 100 ohms at 25 to 100 M. A. D.C. resistance 200 ohms. Max. D.C. volts 2000. Type PA-3. Shpg. wt. 2 lbs. **Your Cost \$12.00**
- XE5344 - 5 to 25 ohms at 25 to 100 M. A. D.C. resistance 200 ohms. Max. D.C. volts 2000. Type PA-3. Shpg. wt. 2 lbs. **Your Cost \$12.00**

## Output Transformers Class "B"

- XE5337 - Primary: 10,000 ohm plate (suitable for 2-50 or 2-60 grids. Secondary: 500 or 5000 ohms. Type PA-2. Shpg. wt. 4 lbs. **Your Cost \$4.20**
- XE5374 - Primary: 10,000 ohm plate (suitable for 2-50 or 2-60 grids. Secondary: 500 or 5000 ohms. Type PA-2. Shpg. wt. 4 lbs. **Your Cost \$19.50**
- XE5336 - Primary: 10,000 ohm plate (suitable for 2-50 or 2-60 grids. Secondary: 500 or 5000 ohms. Type PA-2. Shpg. wt. 4 lbs. **Your Cost \$4.20**
- XE5337 - Primary: 12,500 ohm plate (suitable for 800's, RK18's 12's). Secondary: 500 or 5000 ohms. Type PA-1. Shpg. wt. 5 lbs. **Your Cost \$12.00**
- XE5338 - Primary: 12,500 ohm plate (suitable for S's, RK18's 12's). Secondary: 500 or 5000 ohms. Type PA-1. Shpg. wt. 5 lbs. **Your Cost \$15.00**
- XE5339 - Primary: 8000 ohm plate (suitable for 2A's, 2A6's, 2A7's). Secondary: 18,000, 5000 ohms. Type PA-1. Shpg. wt. 9 lbs. **Your Cost \$7.50**

### NOTE

Due to space limitations we cannot list the complete line of transformers and chokes made by the United Transformer Corporation. We are prepared, however, to furnish immediate delivery on any item at your regular 40% discount from list.

## UTC X'mitting & P. A. Guide



A new 100-page Catalog and Parts Address Directory. Articles by Turman, Dow, Koster, Jones and Hawkins. Amazing section alone contains over 10,000 items. A money saver.

XY19998 Your Cost

**50c**

## NATIONAL Transceiver



for 5 Meters or 50-60 Megacycles

This transceiver is built with the latest in electronic components and is designed for the amateur operator. It is a true 5-meter or 50-60 megacycle transceiver and is the only one of its kind. It is built with the latest in electronic components and is designed for the amateur operator. It is a true 5-meter or 50-60 megacycle transceiver and is the only one of its kind.

Kit of Matched Tubes **\$1.18**

## NATIONAL X'mitting Condensers



Light weight yet highly efficient transmitting condensers. Each cover and plate are hand polished and coated with a protective surface. Precision for other hand of shell mounting. Each is coated with a protective surface. Precision for other hand of shell mounting. Each is coated with a protective surface.

Model	Capacity	No. of Plates	Your Cost
XN14510	10	10	2.70
XN14511	15	15	3.60
XN14512	20	20	2.70
XN14513	30	30	6.00
XN14514	40	40	3.00
XN14515	50	50	3.40
XN14516	60	60	5.40
XN14517	70	70	10.20
XN14518	80	80	6.60
XN14519	90	90	7.20

## Equimeter Condensers

Similar to the above but the plates are polished and coated with a protective surface. Precision for other hand of shell mounting. Each is coated with a protective surface. Precision for other hand of shell mounting. Each is coated with a protective surface.

Model	Capacity	No. of Plates	Your Cost
XN14525	10	10	1.50
XN14526	15	15	1.50
XN14527	20	20	1.80
XN14528	30	30	2.10
XN14529	40	40	2.10

## Super Regenerative Receiver

Typ SRR

This is a Super Regenerative Receiver. It is a true 5-meter or 50-60 megacycle receiver and is the only one of its kind. It is built with the latest in electronic components and is designed for the amateur operator. It is a true 5-meter or 50-60 megacycle receiver and is the only one of its kind.



Primary designed for 5-meter work. The 50-60 MC band is covered by 400 to 600 kc. A phase inverter is connected to the Heilmann circuit. Amplification for headphones or speaker. This is the only receiver in the world that is designed for the 5-meter band. It is built with the latest in electronic components and is designed for the amateur operator. It is a true 5-meter or 50-60 megacycle receiver and is the only one of its kind.

**\$19.50**

**Your Cost \$27.00**

XN13875 - Type "SRR" Receiver. **Your Cost \$32.50**

XN13876 - National 500 AB Peak to Peak Regenerative. Supplies both "A" and "B" circuits. **Your Cost \$34.50**

XN13898 - Coils for the 10, 20 and 40 meter bands. **Your Cost Each Coil \$7.00**

XN13899 - Coils for the 80 and 160 meter bands. **Your Cost Each Coil \$1.05**

## Shielded Air Dielectric Padding Condensers



A completely shielded air dielectric padding condenser. It is built with the latest in electronic components and is designed for the amateur operator. It is a true 5-meter or 50-60 megacycle condenser and is the only one of its kind.

Model	Capacity	Your Cost
XH9745	75	\$1.20
XH9746	100	1.75

## Ultra High Frequency Converter

This is a true ultra high frequency converter. It is built with the latest in electronic components and is designed for the amateur operator. It is a true ultra high frequency converter and is the only one of its kind.

**\$23.70**

**Your Cost**



# Truest KNITTING TRANSFORMERS and CHOKES

Not just another line of cheap transformers and chokes for the Amateur Transmitter. If prices were the only thing we had to offer, we would probably start by telling you how much money you could save, and go forth, and forget to say how well they were made. This N.V. line of Truest Transmitters and Transformers was designed by one of the foremost transformer engineers in the industry and incorporates every improvement known to date in transformer construction.

Every bit of material used in making these transformers from laminating paper, wire, castings, terminals, etc., are the best quality and are to exacting standards. Prices are so low that they are not to be looked at as "cheap" material, but they are the very best quality you can get. You can't buy a very low quality transformer for less than you would pay for a high quality transformer. So buy the really reliable, guaranteed transformers and chokes.



**Type D Mounting** Fully enclosed. Can be mounted with terminals on top or under chassis.



**Type E Mounting** Open type with terminal strip at top.

## Filament and Plate Transformers

Primary 105-115 v. 60 cycle.

- XC1517**—Secondaries 100-0-100 v. at 1.0 Ma., 2.5 v. at 5 amp., 2.5 v. at 12 amp., 5 v. at 3 amp., all C. T. except 5 v. C. mtg. Shpg. wt. 10 lbs.  
**Your Cost** ..... **\$3.75**
- XC1516**—Secondaries 500-0-500 v. at 175 Ma., 5 v. at 3 amp., 2.5 v. at 3 amp., 2.5 v. at 10 amp., all C. T. C. mtg. Shpg. wt. 10 lbs.  
**Your Cost** ..... **\$4.45**

## Class B Input

- XC2555**—Driver 46 or 59 plate to 46 or 59 fil. D mtg. **Your Cost** ..... **\$3.45**
- XC2556**—P.P. 45 or 59 plates to 2-46 or 2-70 grids. D mtg. **Your Cost** ..... **\$4.75**
- XC2557**—P.P. 45 or 59 plates to 2-210, 2-300, 2-810 or 2-RA11 grids. D mtg. **Your Cost** ..... **\$4.75**
- XC2558**—P.P. 50 or 2A3 plate to 2-201 grids. D mtg. **Your Cost** ..... **\$5.25**

## Filament Transformers

- All have 105-115 v. 60 cycle primary.
- XC2542**—Secondary 2.5 v. winding (C. T.) at 10 amp., B mtg. 10,000 v. insulation. Shpg. wt. 6 lbs.  
**Your Cost** ..... **\$3.40**
- XC2543**—Secondary 5 v. (C. T.) at 20 amp., B mtg. 10,000 v. insulation. Shpg. wt. 12 lbs.  
**Your Cost** ..... **\$5.25**
- XC2544**—Two secondary 2.5 v. (C. T.) at 5 amp. each. D mtg. 10,000 v. insulation. Shpg. wt. 5 lbs.  
**Your Cost** ..... **\$3.25**
- XC2545**—Secondary 7.5 v. (C. T.) at 8 amp., B mtg. 10,000 v. insulation. Shpg. wt. 6 lbs.  
**Your Cost** ..... **\$3.75**
- XC2546**—Secondary 10 v. (C. T.) at 8 amp., B mtg. 10,000 v. insulation. Shpg. wt. 6 lbs.  
**Your Cost** ..... **\$3.75**
- XC2547**—Secondary 10 v. (C. T.) at 12 amp., B mtg. 10,000 v. insulation. Shpg. wt. 8 lbs.  
**Your Cost** ..... **\$1.75**
- XC2548**—Three C. T. 5 v. secondaries, two at 3 amp., one at 3 amp., B mtg. 10,000 v. insulation. Shpg. wt. 8 lbs.  
**Your Cost** ..... **\$3.35**
- XC2549**—Two 2.5 v. C. T. secondaries and one 5 amp. each. One 5 v. C. T. at 3 amp., E mtg. Shpg. wt. 7 lbs.  
**Your Cost** ..... **\$1.75**
- XC2031**—Secondary 2.5 v. at 6 amp.; 5 v. at 3 amp., 7.5 v. at 3 amp., Type E mtg. Shpg. wt. 8 lbs.  
**Your Cost** ..... **\$1.75**
- XC2032**—Secondaries 2.5 v. at 6 amp.; 7.5 v. at 3 amp., 7.5 v. at 3 amp., Type E mtg. Shpg. wt. 8 lbs.  
**Your Cost** ..... **\$1.75**
- XC2033**—Three secondaries, each 7.5 v. at 3 amp., Type E mtg. Shpg. wt. 8 lbs.  
**Your Cost** ..... **\$1.75**
- XC2034**—Secondaries: one 5 v. at 3 amp., two 7.5 v. at 3 amp., each. Type H mtg. Shpg. wt. 8 lbs.  
**Your Cost** ..... **\$1.75**

## Special Output

- XC2037**—Spec 43 plate to RK20 suppressor grid. Type D mtg. Shpg. wt. 8 lbs.  
**Your Cost** ..... **\$1.75**

## Chokes

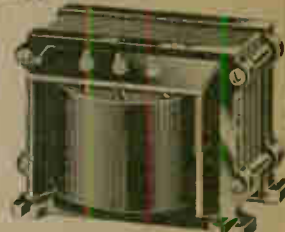
- XC2533**—Singing choke. Mat. D. C. 200 Ma., Resistance 100 ohms. Type D mtg. Shpg. wt. 4 lbs.  
**Your Cost** ..... **\$3.25**
- XC2534**—Singing choke. Mat. D. C. 100 Ma., Resistance 25 ohms. Type B mtg. Shpg. wt. 1 1/2 lbs.  
**Your Cost** ..... **\$7.95**
- XC2535**—Singing choke. Mat. D. C. 200 Ma., Resistance 25 ohms. Type B mtg. Shpg. wt. 1 1/2 lbs.  
**Your Cost** ..... **\$11.25**
- XC2536**—Singing choke. Mat. D. C. 100 Ma., Resistance 10 ohms. Type D mtg. Shpg. wt. 4 lbs.  
**Your Cost** ..... **\$2.40**
- XC2537**—Singing choke. Mat. D. C. 200 Ma., Resistance 10 ohms. Type D mtg. Shpg. wt. 4 lbs.  
**Your Cost** ..... **\$3.95**
- XC2538**—Singing choke. Mat. D. C. 200 Ma., Resistance 10 ohms. Type D mtg. Shpg. wt. 4 lbs.  
**Your Cost** ..... **\$3.95**
- XC2539**—Singing choke. Mat. D. C. 200 Ma., Resistance 10 ohms. Type D mtg. Shpg. wt. 4 lbs.  
**Your Cost** ..... **\$6.75**
- XC2540**—Singing choke. Mat. D. C. 200 Ma., Resistance 10 ohms. Type D mtg. Shpg. wt. 4 lbs.  
**Your Cost** ..... **\$6.75**

## Outputs

- XC2599**—Pri. tapped, 10,000 ohm plate to plate suitable for Class "A" P.P. 30 plates, 71A, 41A, 50A, 210, 201A, 2A, Class "B" P.P., 46, 59, 70, 810, etc. Also 1000 ohm plate to Class "A" P.P., 2A, 810, 46, 59, 70, 810, etc. Class "B" P.P., 46, 59, 70, 810, etc. Secondary tapped, 2000 ohm, 3000 ohm, 1 ma.  
**Your Cost** ..... **\$4.25**
- XC2560**—Pri. tapped, 200 ohm plate to plate for P.P. 201A to Class "B" secondary resistance 1000 and 2500 ohms, 1 ma.  
**Your Cost** ..... **\$17.95**
- XC2561**—Pri. tapped, 10,000 ohm plate to plate for P.P. 201A to P.P. 200, RK11, Secondary 2000 and 2500 ohms. A mtg. voltage 100 v. at 100 v. mtg. Shpg. wt. 8 lbs.  
**Your Cost** ..... **\$11.95**



**Type A Mounting** Fully enclosed. Heavy duty frame with metal end covers. Cannot handle 400 v. terminals.



**Type B Mounting** Open type with terminal strip on top. Low cost frame.



**Type C Mounting** Fully enclosed. Heavy duty frame.

## Plate Transformers

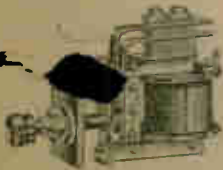
- All have 105-115 volt primary.
- XC2551**—Secondary 150-0-150 v. at 200 Ma., A. Type B mtg. Shpg. wt. 14 lbs.  
**Your Cost** ..... **\$5.75**
- XC2542**—Secondary 100-0-100 v. at 200 Ma., A. Type A mtg. Shpg. wt. 30 lbs.  
**Your Cost** ..... **\$10.25**
- XC2543**—Secondary 100-0-100 v. at 100 Ma., Type A mtg. Shpg. wt. 30 lbs.  
**Your Cost** ..... **\$21.00**
- XC2544**—Secondary 200-0-200 v. at 100 Ma., Type A mtg. Shpg. wt. 30 lbs.  
**Your Cost** ..... **\$37.50**

## GUARDIAN X'mitting Relays

These relays have silver contacts 1/4" in diameter and 1/2" thick. Insulation is of highest quality. Laminated magnets.

**Overload Relays**—Adjustable type. When once set for any value between 150 and 1200 Ma. will trip when this value is exceeded. Hand reset—does not make contact until handle is released so that it will immediately reopen if overload has not been removed. Mount post terminals on 1/2" brass panel. Shpg. wt. 4 lbs.  
**Your Cost** ..... **\$7.06**

- XN14120**—110
- XN14121**—Non-adjustable for 250 Ma.



- XN14122**—Non adjustable for 400 Ma. Shpg. wt. 3 lbs. each. List \$7.50  
**Your Cost**, Either Type ..... **\$4.41**
- Keying Relay**—Silver contact. Works on 5 to 16 v. A. C. or D. C. Shpg. wt. 2 lbs. List \$5.50  
**Your Cost** ..... **\$3.24**
- Time Relay**—Time adjustable from 10 seconds to 1 minute. Shpg. wt. 4 lbs. List \$15.00  
**Your Cost** ..... **\$9.00**
- Break-in**—Double pole double throw. 110 v. Shpg. wt. 4 lbs. List \$7.50  
**Your Cost** ..... **\$4.50**
- XN14125**—**Your Cost** ..... **\$4.50**

## DEAGAN Station Chimes

For the amateur ham, the Deagan station chime is the best. It is the only one of its kind that is made in the U.S.A. It is the only one that is made of brass and has a distinctive chime call when ringing. It is the only one that is made of brass and has a distinctive chime call when ringing. It is the only one that is made of brass and has a distinctive chime call when ringing.



- XN14013**—**Your Cost** ..... **\$4.50**



To Speed Handling of YOUR Order -- Use Our Order Blank

# THORDARSON Transmitting Transformers

Thordarson Engineers present their new power transformers and associated filter chokes at the excellent quality of complete power supplies for operation in every amateur transmitter. Within the range of voltage and current output provided by these power supplies are covered the needs of practically every amateur transmitter. In those using 16% to 85% efficiency, the design again takes the load by rating all high voltage transformers at the actual D.C. watts output, when used with a recommended filter system. No longer must the amateur be guided by A.C. secondary voltage-current ratings that are meaningless in terms of transmitter performance.



Type A



Type B



Type C

**XA407**—Provides 1-K.W. input. Actual D.C. rating—3000 volts at 800 M.A. Sec. A.C.—3550 volts. A husky, air-cooled transformer, weighing 70 lbs. Type A mtg. Shpg. wt. 85 lbs. **Your Cost \$38.22**

**XA408**—Similar to the above, but with a D.C. rating of 2000 volts at 500 M.A. Sec. A.C.—2420 volts. Type A mtg. Shpg. wt. 65 lbs. **Your Cost \$32.92**

**XA409**—D.C. rating of 2000 volts at 250 M.A. Type B mtg. Shpg. wt. 65 lbs. **Your Cost \$21.16**

**XA410**—Especially designed for the 800 tubes. D.C. rating—1000 or 1250 volts at 280 M.A. Sec. A.C.—1290 and 1600 volts. Type B mtg. Shpg. wt. 43 lbs. **Your Cost \$13.52**

## Plate Transformers

**XA411**—Provides 1000 volts, D.C. at 500 M.A. with choke input. Sec. A.C.—1335 volts. Type B mtg. Shpg. wt. 43 lbs. **Your Cost \$20.58**

**XA412**—Designed for the new 750-volt tubes. D.C. rating—750 volts at 550 M.A. Sec. A.C.—990 volts. Type B mtg. Shpg. wt. 31 lbs. **Your Cost \$10.58**

**XA413**—Provides 1000 volts at 400 M.A., through suitable filter. Sec. A.C.—1270 volts. Type B mtg. Shpg. wt. 34 lbs. **Your Cost \$12.94**

**XA414**—Supplies through a filter, 525 volts D.C. at 150 M.A. Sec. A.C.—725 volts. Type C mtg. Shpg. wt. 12 lbs. **Your Cost \$5.29**

## CHOKES

### Swinging Type Input

**XA415**—150 M.A. choke, to be used with the XA414 plate transformer. 30.3 henrys dry—9.80 henrys at 150 M.A., 2000-volt insulation. D.C. resistance, 290 ohms. Type H mounting. Shpg. wt. 7 lbs. **Your Cost \$2.94**

**XA416**—400 M.A., for use in class "B" 00A supply. 40 henrys dry—25.6 henrys at 400 M.A., 3000-volt insulation. D.C. resistance, 118 ohms. Type D mtg. Shpg. wt. 35 lbs. **Your Cost \$10.58**

**XA417**—A 250-M.A. choke, to be used with XA410—or similar plate transformer. 19 henrys dry—12.55 henrys at 250 M.A., 5000-volt insulation. D.C. resistance, 95.3 ohms. Type D mtg. Shpg. wt. 13 lbs. **Your Cost \$5.00**

**XA418**—A 280-M.A. choke for use with XA407—or similar plate transformer. 19 henrys dry—10.4 henrys at 280 M.A., 5000-volt insulation. D.C. resistance, 93 ohms. Type D mtg. Shpg. wt. 20 lbs. **Your Cost \$7.06**

**XA419**—A 500-M.A. choke. 17 henrys dry—8.23 henrys at 500 M.A., 5000-volt insulation. D.C. resistance, 70 ohms. Type D mtg. Shpg. wt. 24 lbs. **Your Cost \$8.24**

### Smoothing Chokes

**XA420**—150 M.A. filter choke, for use with XA415—or similar input chokes. 19.7 henrys at rated current. 2000-volt insulation. D.C. resistance, 275 ohms. Type H mtg. Shpg. wt. 8 lbs. **Your Cost \$3.53**

**XA421**—A 250-M.A. choke for use with XA417—or similar input chokes. 23.8 henrys at rated current. 5000-volt insulation. D.C. resistance, 184 ohms. Type D mtg. Shpg. wt. 15 lbs. **Your Cost \$5.88**

**XA422**—380-M.A. filter choke for use with XA418—or similar input chokes. 20 henrys at rated current. 5000-volt insulation. D.C. resistance, 160 ohms. Type D mtg. Shpg. wt. 30 lbs. **Your Cost \$9.40**

**XA423**—500-M.A. filter choke for use with XA419—or similar input chokes. 16.5 henrys at rated current. 5000-volt insulation. D.C. resistance, 110 ohms. Type D mtg. Shpg. wt. 29 lbs. **Your Cost \$10.00**



Type D



Type F



Type H

## Filament Transformers

All secondaries have center taps. The following transformers have primaries tapped for 105—110—115 volts.

Following have 115 V. primaries:

**XA446**—11 volts at 15 1/2 amps. Type C mtg. Shpg. wt. 7 lbs. **Your Cost \$5.30**

**XA447**—5 volts at 25 amps. 10,000-volt insulation. Type F mtg. Shpg. wt. 7 lbs. **Your Cost \$10.58**

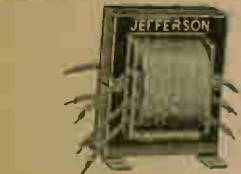
**XA448**—Two secondaries: 2 1/2 volts at 10 1/2 amps., 5 volts at 3 amps. 3000-volt insulation. Type F mtg. Shpg. wt. 7 lbs. **Your Cost \$3.53**

**XA449**—2 1/2 volts at 10 amps. 1800-volt insulation. Type H mtg. Shpg. wt. 7 lbs. **Your Cost \$2.65**

**XA450**—2 1/2 volts at 10 amps. 7500-volt insulation. Type H mtg. Shpg. wt. 7 lbs. **Your Cost \$3.53**

**XA451**—7 1/2 volts at 6 1/2 amps. Type H mtg. Shpg. wt. 7 lbs. **Your Cost \$2.94**

**XA452**—5 volts at 3 amps. Type H mtg. Shpg. wt. 7 lbs. **Your Cost \$2.06**



## Filament Transformers

All Primaries 115 Volts, 50-60 Cycle

Type 464-201—Delivers 2.5 volts C.T. at 12.25 amps. High voltage insulation suitable for 8-6 tubes. Size 2 1/2 x 2 1/2 x 2 1/2". Shpg. wt. 3 lbs. **Your Cost, Each \$1.18**

Type 464-211—Delivers 2.5 volts C.T. at 5.5 amps. Suitable for two

or three heater tubes. Size 2 3/4 x 1 7/8". Shpg. wt. 2 lbs. **Your Cost, Each \$1.18**

Type 464-221—Delivers 6.3 volts C.T. at 4 amps. (for 6-3 volt heaters), and 5 volts at 4 amps. For rectifier or power tubes. Size 2 1/2 x 2 1/2 x 2 1/2". Shpg. wt. 3 lbs. **Your Cost, Each \$1.18**

Type 464-231—Delivers 7.5 volts C.T. at 2.5 amps., and 7.5 volts C.T. at 1.5 amps. For filaments of 10 or 50 type tubes used for 81 rectifiers. Size 2 1/2 x 2 1/2 x 2 1/2". Shpg. wt. 4 lbs. **Your Cost, Each \$2.06**

Type 464-241—Delivers 10 volts C.T. at 7 amps. Suitable for use with 50-watt tubes, such as 209A, 211, etc. Size 2 3/4 x 2 1/2 x 2 1/2". Shpg. wt. 5 lbs. **Your Cost, Each \$2.35**

## Chokes

Type 466-210—A 30-henry at 150 M.A. filter choke. D.C. resistance 9425 ohms. Dimensions, 2 1/2 x 1 1/2 x 3". Shpg. wt. 5 lbs. **Your Cost \$1.03**

Type 466-220—A 20-henry, at 120 M.A. choke. 200 ohms D.C. resistance. 2 1/2 x 2 1/2 x 2 1/2". Shpg. wt. 4 lbs. **Your Cost \$1.03**

Type 466-250 is a 50-henry at 60 M.A. filter choke. D.C. resistance is 1400 ohms. Dimension: 2 1/2 x 2 1/2 x 3 1/2". Shpg. wt. 3 lbs. **Your Cost \$88**

Type 466-260 is a 1-henry filter choke with a capacity of 60 M.A. The D.C. resistance is 150 ohms. Dimensions are 1 1/2 x 2 1/2 x 2 1/2". Shpg. wt. 3 lbs. **Your Cost \$59**

NOTE: We can supply all types of Jefferson Transformers.



# Transmitting Equipment

## BLILEY Crystal Oven

A revolutionary design... Your Cost **\$7.50**

## BLILEY Crystal Holder

Crystal holder of moulded... Your Cost **\$1.50**

## BRADLEY Radiostats

Power Rheostat... Your Cost Each **\$4.17**

## Finest Oscillating Transmitting Crystals Accuracy Guaranteed Within 1% or Better



frequency and cut desired and we will supply nearest STOCK crystal calibrated. Your Cost **\$3.95**

### Single Signal Quartz Receiver Filter

Used for... Your Cost **\$5.95**

### Oscillating Quartz Blanks

High quality quartz blanks... Your Cost **\$1.75**

## Crystal Holder

Model 501... Your Cost **\$1.10**

### Receptacle for Holder

Model 502... Your Cost **10¢**

We can supply quartz specialties. Write us your requirements.

## WARD LEONARD Midget Relays



Model 501... Your Cost **\$8.82**

## High Frequency Buzzer

High frequency buzzer... Your Cost **73¢**

## SPEEDX Buzzer

Constant frequency buzzer... Your Cost **59¢**

## Compact Piezostat

A very compact... Your Cost **\$1.47**

We can supply original Martin Vibroplet Keys at typical W.R.S. prices. Immediate delivery.

## SIGNAL

### Practice Sets—Xmitting Keys

#### High Frequency Set



Consists of a key and... Your Cost Each **\$2.02**

#### Junior Set

Similar to the above... Your Cost **\$1.03**



#### Key with Switch

Key with switch... Your Cost **\$1.75**

#### Twin Practice Set

Two keys... Your Cost **\$2.05**

## SPEED X

### Hi-Speed Key



#### Model 501

Speed key... Your Cost **\$7.50**

#### Model 501

A smaller model... Your Cost **\$6.30**

#### Key Knobs

Key knobs... Your Cost **8¢**

### Heavy Duty Key



For the experienced amateur... Your Cost **\$1.80**

### Amateur's Key



A high grade key... Your Cost **\$1.05**

### Practice Key

An inexpensive key... Your Cost **80¢**



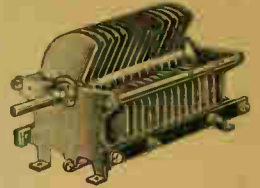
# CARDWELL CONDENSERS

## CARDWELL TRANSMITTING CONDENSERS

These condensers have made an enviable reputation for themselves over a period of years. Construction is exceptionally rugged, condensers having .084" air gaps and over have much heavier plates than have been used by anyone for this purpose. Plate edges are carefully rounded off and very highly polished. This type of construction will withstand about 60% more voltage before flashing over. Extra heavy plates give a freedom from vibration which makes their use for tuning on wave lengths below 30 meters very advantageous. For medium power and amateur use. Cardwell condensers are used in many commercial and government transmitters, as well as amateur, and are known for their accuracy and reliability throughout the world. Shpg. wt. 5 lbs.

Stock No.	Type No.	Max. Cap. Mmfds.	Air Gap	List Prices	Number of Plates	Depth (Back of Panel)	Your Cost
	*151B	250	.030"	\$ 3.00	11	2 1/2"	\$1.76
XH8601	123B	480	.030"	4.00	21	3 1/2"	2.35
XH8602	137B	960	.030"	5.00	41	4"	2.94
XH8603	164B	220	.070"	4.00	21	4 1/2"	2.75
XH8604	147B	440	.070"	7.00	43	5 1/2"	4.12
XH8605	†T199	330	.084"	10.00	37	6 1/2"	5.88
XH8606	†DT199	650	.084"	22.00	73	11 1/2"	12.94
XH8607	†520B	242	.100"	10.00	33	6 1/2"	5.88
XH8608	†521B	525	.100"	21.00	67	11 1/2"	12.35
XH8609	*T183	110	.171"	9.00	23	6 1/2"	5.30
XH8610	†DT183	228	.171"	18.00	45	11 1/2"	10.58

**Design 16B**  
 This model is primarily intended to meet requirements where condensers for moderately high voltages are needed. It is possible to furnish in this type of design greater air gaps and higher capacities in relation to air gaps than is possible with the design used in the smaller types; and still retain adequate structural strength and a proper balance between the various elements.



Stock No.	Type No.	Capacity Mmfds.	Air Gap	Number Plates	Your Cost
XH8590	3279	315	.168"	31	\$21.33
XH8591	3280	147	.168"	15	15.30
XH8592	3281	84	.168"	9	13.25
XH8593	3276	160	.294"	25	20.00
XH8594	3277	80	.294"	13	14.65
XH8595	3278	47	.294"	7	13.25

(May be furnished with Split Stator if desired. Add \$1.76 to above prices.)

### Neutralizing Condensers

Stock No.	Type No.	Max. Cap. Mmfds.	Air Gap	List Prices	Number of Plates	Depth (Back of Panel)	Your Cost
XH8611	†511B	23	.171"	\$ 3.00	5	3"	\$2.05
XH8612	†513B	50	.171"	6.00	11	4"	4.10
XH8613	†515B	56	.230"	10.00	15	5 1/2"	6.85
XH8514	†415B	34	.171"	5.50	15	4 1/2"	3.75

### Split Stator Condensers

Stock No.	Type No.	Max. Capacity Mmfds.		Air Gap	List Prices	Number of Plates (Each Section)	Depth (Back of Panel)	Your Cost	
		Sections in Mult. Series	Per Section						
XH8615	*156B	1000	250	500	.030"	\$6.00	21	4"	\$3.53
XH8616	197B	160	40	80	.070"	5.00	9	4"	2.94
XH8617	157B	420	100	210	.070"	8.00	21	5 3/4"	4.70
XH8618	†512B	100	25	50	.171"	10.00	11	6 1/2"	5.88

\* Standard receiving condenser spacing suitable for low powered transmitting.  
 † Rotor and stator plates have rounded edges and are highly polished overall.

### Midway Featherweight Series

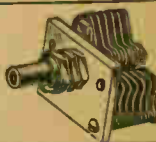


A series of transmitting condensers having a .070" air gap that have been especially designed for use where compactness and light weight are of great importance. Despite their light weight they are rigidly constructed and are well suited for use in portable transmitters such as are used in aircraft, etc., where considerable vibration is experienced. Aluminum construction throughout with the exception of shafts, bearings and contact surfaces. The small amount of steel used is well cadmium plated. Overall mounting space required: 3 1/2" x 2 1/2" x 1 1/2". Shaft diameter 1/8". Depths range from 2 3/8" to 4 1/2". Shpg. wt. 2 lbs.

Stock No.	Your Cost	Type No.	Plates	Max. Cap. Mmfds.	Split Stator No.	Your Cost
XH8550	\$1.53	408B	5	22		\$2.70
XH8551	1.65	409B	7	35		2.94
XH8552	1.88	410B	11	50		3.40
XH8553	2.12	411B	15	70		
XH8554	2.36	412B	21	100		
XH8555	2.94	413B	31	150		

(The above condensers are suitable for transmitters using up to a 75 watt tube.)

### "Trim-Air" Midget



Similar to the receiving types listed below but with .070" air gap for transmitters. Maximum capacity 30 micro-micro-farads, 17 plates. Shpg. wt. 2 lbs.

**\$1.00**  
Your Cost

## CARDWELL RECEIVING CONDENSERS

### Short Wave Condensers



Has two plates which may be variably spaced, affording a low capacity. Stator plate adjustable to afford maximum capacities from 50 to 10 mmfds. Constant minimum 7 mmfds. Shpg. wt. 2 lbs.

XH8582—Type 201E.  
 List \$4.00. Your Cost **\$2.35**

### Taper Plate Condensers

A straight frequency tuning curve is secured by a regular variation of the thickness of the air dielectric with a pronounced gain in efficiency, compactness and mechanical strength. Shpg. wt. 4 lbs.

Stock No.	Type No.	Plates	Max. Mmfds.	List	Your Cost
XH8573	191E	3	75	\$4.00	\$2.35
XH8574	167E	5	150	4.00	2.35
XH8575	168E	7	220	4.25	2.50
XH8576	169E	11	350	4.75	2.79
XH8577	192E	15	500	5.00	2.94

### Cardwell Dual Featherweight

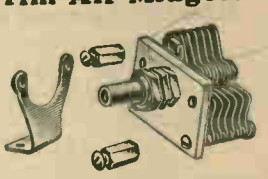
This dual Condenser of 350 mmfds., each section is designed for light weight and compactness, and is used in Aircrafts, Portables, Midgets, etc. Shpg. wt. 2 lbs. Type 407BS.



XH8581—List \$5.50  
 Your Cost **\$3.24**

### New "Trim-Air" Midgets"

An entirely new and unique design in midget condensers. Regularly supplied with a detachable shaft, rotor locking nut, and panel mounting nut. The shaft extension may be removed, leaving the screwdriver slot for permanent adjustment and locking of the rotor if desired. Two or more condensers can easily be ganged together. Shpg. wt. 2 lbs.



Stock No.	Max. Cap.	Min. Cap.	Your Cost
XH8631	15	1.5	\$0.68
XH8632	25	2.0	.73
XH8633	35	2.5	.79
XH8634	50	2.8	.85
XH8635	75	2.7	.91
XH8636	100	2.9	.94
XH8637	140	4.5	1.68

Mounting bracket with screws and nuts. **6¢**  
 Your Cost

Extension shafts for ganging condensers. **5¢**  
 Your Cost

Mtg. Posts with screws and lock-washers. **6¢**  
 XH8640  
 Your Cost, Per Pair

### Midway Featherweight



Especially suited for aircraft equipment, portable sets, receivers transmitters and oscillator-amplifiers where weight and space are a factor. Very finely constructed—no swedge rivets or eyelet heads to become slack. Aluminum is used throughout with the exception of bearings. A Real Condenser—not a midget. Shpg. wt. 2 lbs.

Have .031 air gap and are also suitable for low power transmitting sets using 210 tubes.

Stock No.	Your Cost	Type No.	Plates	Cap. Mmf.	Split Stator No.	Your Cost
XH8563	\$1.24	401B	3	26		
XH8564	1.30	402B	5	50		
XH8565	1.35	403B	7	70	XH8547	\$2.35
XH8566	1.41	404B	11	105	XH8548	2.47
XH8567	1.47	405B	15	150	XH8549	2.59
XH8568	1.62	406B	25	260		
XH8569	1.77	407B	35	365		

**NOTE**

In addition to the many types listed on this page we can also supply a great variety of special transmitting condensers for use in small, medium and large stations. Write us your requirements.

**To Speed Handling of YOUR Order--Use Our Order Blank**



# New! Hammarlund SUPER-PRO



## New! HAMMARLUND "Super-Pro" Receiver

The new "Super-Pro", just added to the line of Hammarlund receivers, is offered as the finest receiver that it is possible to build for amateur or commercial use. For simplicity of operation, high degree of sensitivity and selectivity, and modern refinements of circuit design, it has no equal. It covers both the broadcast and the short wave frequencies.

### Ultra Modern 15 Tube Circuit

Every possible improvement in design (licensed under RCA and Hazeltine patents) has been incorporated in the advanced superheterodyne circuit using 15 of the latest type tubes as follows: 2—6D6's as two R. F. amplifiers; 1—6A7 as first detector; 3—6D6's as I. F. amplifiers; 2—6B7's as second detector and AVC tubes; 2—6C6's as high frequency and beat frequency oscillators; 3—42's as power output tubes; 1—5Z3 as plate rectifier and 1—1V as grid bias rectifier. The I. F. transformers are Litz wire wound and tuned by air dielectric condensers. The beat frequency oscillator may be cut in or out of the circuit by means of a toggle switch mounted on front panel.

### Other Features

Receiver and power supply are in two separate chassis, both fully shielded. The main tuning control, calibrated to 1% accuracy, permits direct tuning on any band. An auxiliary control provides band spread at all fre-



- ✓ 2—R. F. Stages Preceding The First Detector
- ✓ Beat Frequency Oscillator For CW Reception
- ✓ Band Spread Tuning at All Frequencies
- ✓ Covers SW and Broadcast Bands 15-560 Meters
- ✓ Complete—No Extras to Buy
- ✓ No Plug-in Coils

quencies. Volume and radio frequency gain regulated by individual controls. No plug-in coils—a newly designed wave change switch selects any of the five tuning ranges which cover from 15 to 560 meters. Two illuminated tuning dials, one for main tuning and the other for band spread. Dials calibrated directly in five ranges; a special shield which works in conjunction with the band switch allows on any selected band to show on dial. Input of receiver is electro-statically shielded for balanced transmission lines—either doublet or "double-doublet" antennas may be used. Output meter on front panel indicates comparative signal strength and assures excellent tuning. A special 12" high fidelity speaker supplied with the receiver fully handles the 18 watts of undistorted output available from the audio amplifier.

### Crystal Filter Model

The "Super-Pro" is available with Single Signal Crystal Filter which provides maximum selectivity. Both receiver and power supply are housed in well ventilated metal cabinets finished in black crystalline. Adapted to relay rack mounting. The "Super-Pro" may be used with batteries if desired. Standard model for 105-120 volts, 50-60 cycles A. C. Shpg. wt. 70 lbs.

**XN13910**—Hammarlund "Super-Pro" Receiver, complete with power supply, tubes and special 12" High Fidelity Speaker. **\$164.64**  
List \$280.00. **Your Cost**.....

**XN13911**—Hammarlund "Super-Pro" Receiver, complete as above, with Single Signal Crystal Filter. List \$310.00 **\$182.28**  
**Your Cost**.....

## HAMMARLUND Comet "Pro"

### S. W. Superheterodyne

- ✓ Bandsread on ALL Bands
- ✓ Air-Tuned I.F. Transformers



This exceptional Short Wave Superheterodyne has not been named the "PRO" without reason. It was designed for communications, airport, broadcasting, police and other equally important services, yet, despite this rigid adherence to professional standards, it is simple to tune and can be successfully operated by the veriest novice. With only four sets of coils it covers a band of frequencies from 1,500 to 20,000 Kc. (additional coils covering from 20,000 to 37,500 Kc. and from 550 to 1,500 Kc. also available), and, due to its unique design, bandsreading can be obtained at ANY frequency within the range of the receiver. The following are just a few of the features of these remarkable receivers:

1. Sensitivity of better than 1/2 microvolt per meter.
2. Selectivity of 1,000 times at 10 Kc. off resonance.
3. Noise level so low as to be negligible.
4. Intermediate oscillator for C. W. code reception, also valuable as a "station finder" in searching for weak phone stations.
5. Smooth control of sensitivity; tone control for noise suppression; vernier tuning control.
6. Isolantite coil forms, coil sockets, and condenser insulation.
7. Litz wound intermediates.
8. Complete shielding.
9. Air-tuned I. F. transformer.
10. Electron coupled oscillators.
11. Optional "single signal" reception using Crystal Filter.
12. Output of 3 watts.

All of these features contribute to the outstandingly fine performance that these receivers are capable of, and make it the ideal receiver both for the fan, who gets a thrill out of listening to foreign broadcasts, as well as the "ham" who demands a receiver that will dig out of the "QRM" and "QRN" the stations he wants to get.

A. C. models use the following tubes: 4-58's, 2-57's, 1-2A5 and 1-80. Receiver comes mounted in an attractive black crystalline finished metal cabinet. Models in console cabinets are also available; write for prices. Hammarlund "Pro" receivers are available in various types as listed below. All prices are without tubes. Shpg. wt. 51 lbs.

**XN13833**—Standard "Pro" with Cabinet. List \$150.00. **\$88.00**  
**Your Cost**.....

**XN13836**—Standard "Pro" Chassis only. List \$135.00. **\$79.38**  
**Your Cost**.....

**XN13847**—"Pro" with Crystal Filter, in Cabinet. **\$105.84**  
List \$180.00. **Your Cost**.....

**XN13848**—"Pro" with Crystal Filter, Chassis Only. **\$97.02**  
List \$165.00. **Your Cost**.....

All of the above models are for 110-115 volts 50-60 cycle A. C. Receivers for 25 or 40 cycles, 125, 140, 230 or 250 volts are also available for \$5.88 additional price. All prices are complete with four sets of coils to cover 15 to 250 meters.

**XH8492**—Additional "Pro" coils for 8 to 10 meters, per set. **\$2.94**  
List \$5.00. **Your Cost**.....

**XH8491**—"Pro" coils for 250 to 550 meters, per set. **\$2.94**  
List \$5.00. **Your Cost**.....

**XW19136**—Specially matched Lafayette 11" A. C. Speaker chassis for use with "Pro" receivers. **\$7.95**  
**Your Cost**.....

# TRANSMITTING TUBES

## Lafayette

**"A Quality Tube at a Reasonable Price"**  
**GUARANTEED 1000 HOURS**

All Transmitting Tubes in the new Lafayette Line have new pure carbon plates providing high plate dissipation without overheating. They also provide more constant tube characteristics under operation since the carbon plates do not vary in physical size nor warp under heat. All types of Transmitting Tubes are available including high power amplifiers and

rectifiers such as the 860, 869-A, etc. Prices and characteristics on request. **Lafayette Transmitting Tubes are Guaranteed for 1000 hours** against defective materials and workmanship on a pro-rata basis. Broken glass and burnt elements not subject to replacement.

Type	Purpose	Your Cost
203-A	50 Watt Oscillator, R-F Amplifier and Class "B" Modulator. Graphite plate	\$10.95
214-A	250 Watt Oscillator, R-F Amplifier. Also used as Modulator	75.00
210	7 1/2 Watt Oscillator, R-F Amplifier or Modulator. An improved type	1.95
211	50 Watt Oscillator, R-F Amplifier and Modulator	10.95
242	50 Watt Oscillator, R-F Amplifier and Modulator	10.95
510-C	New 15 Watt Oscillator and Power Amplifier that is interchangeable with the 210	2.95
800	A new Oscillator, R-F Amplifier or Class "B" Modulator that is extremely efficient	7.50
864	Triode Voltage Amplifier for use in pre-amplifiers for Condenser, Ribbon, etc. Microphones	1.40
264-B	Triode Voltage Amplifier, similar to WE264-B used in W. P. A. S. from Condenser Microphones	1.75

Type	Purpose	Your Cost
845	50 Watt Linear Amplifier and Modulator. Not recommended R-F tube	\$10.95
852	100 Watt Oscillator, R-F Amplifier. Grid lead at top and Plate lead at side	
860	100 Watt Screen Grid Oscillator and Amplifier. Especially efficient over 100 K.C.	
865	7 1/2 Watt Screen Grid Oscillator and R-F Amplifier. Especially efficient over 100 K.C.	
866	Half-Wave Mercury Vapor Rectifier. Maximum plate current, 2.5 amps	
872	Half-Wave Half-Cathode Mercury Vapor Rectifier. Maximum plate current, 2.5 amps	
866-A	Half-Wave Mercury Vapor Rectifier. Maximum plate current, 2.5 amps	2.40
872-A	Full Wave Mercury Vapor Rectifier. Maximum plate current, 2.5 amps	12.50

### JOHNSON X-mitting Sockets




Potential base, polished nickel shell. Dual wiping contacts of phosphor bronze cadmium plated. U-X and 50 watt sizes. Shpg. wt. 2 lbs.

**73¢**  
Your Cost Each

**1.18**  
Your Cost Each

### New BLILEY Mounted Crystals



A new mounted crystal of the X-cut power type having a calibration accuracy to .03%. It is a more powerful special size crystal and has less frequency drift while warming up. In addition it is sold at a price practically the same as that of the RCX crystal alone. Supplied to you in specified frequency as listed below. Shpg. wt. 1 lb.

Stock No.	Freq. Band	Within ±10Kc.	Your Cost	±1 Kc.	Exact
XM13531	7.0-8.5	\$3.95	\$4.90	\$5.90	\$7.50
XM13532	1.7	4.80	5.80	6.80	8.40

### GAMMATRON



The Type 224 Gammatron is a 100 Watt triode amplifier suitable for A. F. or R. F. circuits. Air-cooled. Frontal 50 W. ceramic base. Top plate contact. High vacuum. Tantalum plate and grid. Thoriated Tungsten filament. Type 354 Gammatron.

**\$24.50**  
Your Cost

### REL 50 W. Tube Socket



Fits all 50 watt tubes. Insulated base, nickel metal shell. Extra rugged construction. Shpg. wt. 2 lbs.

**\$1.85**  
Your Cost

### KENCO Speed Key



The greatest value ever offered in a speed key. A beautifully chrome finished key with 10 adjustments for fine keying. Three adjustments can be regulated from 5 words per minute to any desired speed. Multiplicity of adjustments make it possible to suit the key to any particular style of "font". Contacts are of tungsten and are individually adjustable for any pressure desired. All metal parts are highly polished chrome plated. Built like a tank and set in a heavy metal frame base. Metal base is not used for any circuit connections. Overall dimensions 8 1/2" long, 4" wide, 2 1/2" high. Shpg. wt. 3 1/2 lbs.

**\$8.82**  
Your Cost

### ICA Insulex Sockets



50 W. Insulex type with rotatable shell. Metal parts nickel plated. Shpg. wt. 1 lb.

**\$1.47**  
Your Cost

**UX Type**  
For 10, 50, 864, etc. Insulex insulation. Shpg. wt. 1 lb.

**39¢**  
Your Cost

## Sylvania

### Xmitting Tubes

Sylvania plant at Clifton, N. J. is fitted with the most efficient tube-making equipment, manufacturing perfect tube manufacture. The tubes listed above their latest process have the same quality of performance characteristics as those of the best manufacturers. Each tube is carefully tested before shipment and carefully packed to insure its arriving in perfect condition. The fact that Wholesale Radio Service Company is the largest distributor of Amateur Transmitting Tubes insures prompt delivery of perfect tubes.


Type	Description	Your Cost
210	Oscillator and Amplifier	\$ 5.75
865	R-F Amplifier and Oscillator	12.75
841	Oscillator and Voltage Amplifier	5.75
842	Audio F. Amplifier	5.75
825	High Frequency Oscillator and Amplifier	10.00
830	Oscillator, Amplifier, Modulator	8.75
211	General Purpose	17.50
203-A	Oscillator and R-F Amplifier	17.50
845	Modulator and A-F Amplifier	20.00
850	Oscillator and R-F Amplifier	37.50
852	Oscillator and R-F Amplifier	23.80
860	Oscillator and R-F Amplifier	35.00
204-A	R-F Amplifier and Oscillator	97.50

#### RECTIFIERS

866	Half-Wave Rectifier	5.00
872-A	Half-Wave Rectifier	18.50

## RAYTHEON

### Xmitting Tubes



A complete line of Transmitting Tubes especially designed for amateur use. Their high efficiency permits maximum output with a minimum input. All have standard bases and are readily constructed. The RK20 R-F tube is particularly interesting since it is the first amateur tube permitting efficient signal grid modulation.

Type	Purpose	Your Cost
RK15	R-F Amplifier or Class "B" Modulator	\$ 4.95
RK16	Oscillator, R-F Amplifier or Class "B" Modulator	
RK17	Class "A" Amplifier, R-F Amplifier or Crystal Oscillator	4.90
RK18	Class "A", "B" or "C" Amplifier or Triode Oscillator	10.73
RK20	High Output Amplifier Rectifier	14.30
RK19	Full-Wave High Voltage Vacuum Rectifier	7.35
VG27	Grid Controlled Mercury Vapor Rectifier	4.95
866-A	Half-Wave Mercury Vapor Rectifier	4.90
872-A	Half-Wave Half-Wave Mercury Vapor Rectifier	16.17
864	Low Current Tube for microphone pre-amplifier	1.57
841	Voltage Amplifier, R-F Power Amplifier or Oscillator	3.15
203-A	Oscillator or R-F Power Amplifier	17.15
RK24	2 V. H. F. Price on request	

# RCA De Forest TRANSMITTING TUBES

We carry a complete line of RCA-DeForest Transmitting Tubes for Amateur and Experimental Use Only. A type for every amateur power requirement is represented in the listing below. The RCA-DeForest Amateur Radio Division of the RCA Radiotron

Company offers an engineering service to the radio amateur. Any advice concerning radio tube applications can be obtained by writing to the RCA-DeForest Amateur Radio Division at Camden, N. J., or write to us and we will forward your request.

## Amateur Transmitting Types

203A—Used as oscillator, R.F. Power Amplifier, or Class B Modulator. 100 watts maximum plate dissipation.	<b>\$17.50</b>
<b>Net Price Each</b>	
203—Used as Oscillator, R.F. Power Amplifier and Modulator. 100 maximum plate dissipation.	<b>\$17.50</b>
<b>Net Price Each</b>	
800—Used as Oscillator, R.F. Power Amplifier or Class B Modulator. 30 watts max. plate dissipation.	<b>\$10.00</b>
<b>Net Price Each</b>	
801—Used as R.F. and A.F. Power Amplifier, Modulator or Oscillator. 20 watts maximum plate dissipation.	<b>\$5.75</b>
<b>Net Price Each</b>	
841—Used as Voltage Amplifier, R.F. Power Amplifier and Oscillator. 15 watts max. plate dissipation.	<b>\$3.25</b>
<b>Net Price Each</b>	
842—Used as A.F. Power Amplifier or Modulator. 15 watts max. plate dissipation.	<b>\$3.25</b>
<b>Net Price Each</b>	
843—Used as Oscillator, A.F. and R.F. Power Amplifier. 15 watts max. plate dissipation.	<b>\$12.50</b>
<b>Net Price Each</b>	
844—Used as A.F. and R.F. Power Amplifier, Oscillator. 15 watts max. plate dissipation.	<b>\$18.00</b>
<b>Net Price Each</b>	
845—Used as Modulator and A.F. Power Amplifier. 100 watts max. plate dissipation.	<b>\$20.00</b>
<b>Net Price Each</b>	
850—Used as R.F. Power Amplifier or Oscillator. 100 watts max. plate dissipation.	<b>\$37.50</b>
<b>Net Price Each</b>	
852—Used as Oscillator and R.F. Power Amplifier. 100 watts maximum plate dissipation.	<b>\$23.80</b>
<b>Net Price Each</b>	
860—Used as R.F. Power Amplifier or Oscillator. 100 watts maximum plate dissipation.	<b>\$35.00</b>
<b>Net Price Each</b>	
864—Triode Voltage Amplifier for use in pre-amplifiers for ribbon, condenser, etc., mikes.	<b>\$1.60</b>
<b>Net Price Each</b>	
865—Used as R.F. Power Amplifier or Oscillator. 15 watts maximum plate dissipation.	<b>\$12.75</b>
<b>Net Price Each</b>	
868—General Purpose and Theatre Type Photo-Tube.	<b>\$6.00</b>
<b>Net Price Each</b>	

## High Power Types

204-A*—Used as Oscillator or R.F. Power Amplifier. 250 volts max. plate dissipation.	
831*—Used as Oscillator or R.F. Power Amplifier. 400 volts maximum plate dissipation.	
849*—Used as A.F. and R.F. Power Amplifier or Oscillator. 400 volts max. plate dissipation.	
851*—Used as A.F. and R.F. Power Amplifier or Oscillator. 750 volts max. plate dissipation.	
861*—Used as R.F. Power Amplifier or Oscillator. 400 volts max. plate dissipation.	


\* Prices on these types quoted upon request.

## High Voltage Rectifiers

866—Half-wave Mercury Vapor Rectifier. 7500 volts max. Max. plate current .6 amps.	<b>\$4.50</b>
<b>Net Price Each</b>	
866-A—Half-wave Mercury Vapor Rectifier. 10,000 volts max. Max. plate current .6 amps.	<b>\$5.00</b>
<b>Net Price Each</b>	
872—Half Wave Mercury Vapor. Heavy Duty. 7500 volts max. Max. plate current 2.5 amps.	<b>\$16.50</b>
<b>Net Price Each</b>	
872-A—Half Wave Mercury Vapor. Heavy Duty. 10,000 volts max. Max. plate current 2.5 amps.	<b>\$18.50</b>
<b>Net Price Each</b>	
878—Vacuum Type for Cathode Ray Tubes. Max. voltage 20,000. Max. plate current 20 mills.	<b>\$11.00</b>
<b>Net Price Each</b>	
885—Gaseous Type Triode for cathode ray sweep-circuit control 300 volts max.	<b>\$2.00</b>
<b>Net Price Each</b>	

## Cathode Ray Tubes

904—5" Electro-static-magnetic deflection, high vacuum, hot cathode, 4600 volts, 5 electrodes.	<b>\$50.00</b>
<b>Net Price Each</b>	
905—7" Electro-static-magnetic deflection, high vacuum, hot cathode, 2000 volts, 4 electrodes.	<b>\$40.00</b>
<b>Net Price Each</b>	
906—3" Electro-static-magnetic deflection, high vacuum, hot cathode, 1000 volts, 4 electrodes.	<b>\$18.00</b>
<b>Net Price Each</b>	




# WHOLESALE RADIO SERVICE CO.

## LEADS AGAIN!

The ONLY Mail Order House in the East to be Appointed

# AUTHORIZED WHOLESALE TUBE AGENT



## RCA Radio Tube Agency Plan

### CONSIGNMENT EXCEPTIONS

Dealers and servicemen, through a new plan put into effect by the RCA-Radiotron Co. on April the 3rd this year, are now enabled to increase their profits on tube sales. This new plan provides for the appointment of retail dealers and recognized servicemen as authorized RCA Tube Agents. Stocks of RCA tubes are consigned to these agents who in turn are authorized to sell to owners of receiving sets at list price only. Agents are allowed a compensation, ranging from discounts of 37 and 5% to 41 and 5%, based on yearly volume of sales. Only authorized agents may purchase RCA tubes at other than list price.

#### The RCA Agency Plan gives you

1. Protection against unfair trade practices.
2. Adequate stock without investment.
3. Inventory price protection.
4. No losses from dead stock.
5. Wide-spread advertising support.
6. Complete public acceptance.
7. Assured profits.

Dealers and servicemen interested in this valuable RCA Tube Franchise should apply to us immediately for application forms. Applications must be submitted to RCA for approval before appointment as agent or consignment of RCA tubes can be made. For further information please write us—Department ACR.

As authorized Wholesale Agents we may sell upon approvals from RCA to certain purchasers at special discounts, RCA-Cunningham radio receiving tubes not to exceed such purchasers' own requirements. Such tubes may be purchased only for installation in radio apparatus, equipment, or devices either owned, controlled, or used by the purchaser but not for resale. The purchasers to which this authorization applies are:

- Class 1. United States Government, including all departments and divisions, also Federal institutions.
- Class 2. State Governments and institutions.
- Class 3. County, municipal and other government and governmental institutions.
- Class 4. Educational, charitable and other public institutions.
- Class 5. MANUFACTURING, TRANSPORTATION, UTILITY, HOTEL, THEATRE, BROADCASTING, OIL AND RESEARCH COMPANIES.

Companies, institutions, or organizations whose activities are of a character similar to those shown above but not specifically included should write us for further information. Purchasing agents are invited to inquire concerning discounts allowable under above authorization—Department ACR.

**We Will Not Knowingly Be Undersold**

# Transmitting Equipment

## JOHNSON Jacks & Plugs



Especially designed for use in receivers and transmitters. "A" and "B" are the popular battery type. "C" is 1 1/2" high and 1 1/2" diam. "D" is 1 1/2" high and 1 1/2" diam. "E" is 1 1/2" high and 1 1/2" diam. "F" is 1 1/2" high and 1 1/2" diam.

**XL12890** Type A Plug **5c**  
Your Cost

**XL12891** Type B Jack **4c**  
Your Cost

**XL12892** Type C Jack **12c**  
Your Cost

**XL12893** Type D Plug **3c**  
Your Cost

**XL12894** Type E Jack **18c**  
Your Cost

**XL12895** Type F Plug **7c**  
Your Cost



## SILVER PLATED X'mitting Coils

Here you are OM as pretty a coil as you've ever laid eyes upon and at a price so low that it won't hurt you to try to make one. Use the Silver plated wire for appearance, but for greater efficiency as well. All have drilled and flattened ends so that they can be easily inserted in insulator or in plugs for insertion into sockets. The type numbers given below identify the diameter and the number of turns in—AG24 has a diameter of 2 1/2" and 1 turn. AG25 has a diameter of 6" and has 25 turns, etc. Average shipping wt. 2 lbs.



FOR 14 MC X'MISSION	FOR 7 MC X'MISSION	FOR 3.5 MC X'MISSION
Type AG24—Used with 250 Mmf. condenser in self-circled oscillator.	Type AG24—Used with 250 Mmf. condenser in neutralized amplifier.	Type AG27—Used with 250 Mmf. condenser in neutralized amplifier.
<b>XN14162</b> Your Cost <b>95c</b>	<b>XN14167</b> Your Cost <b>\$1.40</b>	<b>XN14173</b> Your Cost <b>\$2.65</b>
Type AG25—Antenna coil.	Type AG25—Used with 100 Mmf. condenser in neutralized I.P.P. amplifier.	<b>FOR 1.75 MC X'MISSION</b>
<b>XN14163</b> Your Cost <b>\$1.00</b>	<b>XN14168</b> Your Cost <b>\$1.98</b>	Type AG28—Used with 500 Mmf. condenser in self-circled oscillator.
Type AG26—Used with 250 Mmf. condenser in neutralized P.P. Amp.	<b>FOR 3.5 MC X MISSION</b>	<b>XN14174</b> Your Cost <b>\$3.95</b>
<b>XN14164</b> Your Cost <b>\$1.10</b>	Type AG29—Used with 100 Mmf. condenser in self-circled oscillator.	Type AG10—Antenna coil.
<b>FOR 7 MC X'MISSION</b>	<b>XN14169</b> Your Cost <b>\$1.49</b>	<b>XN14175</b> Your Cost <b>\$2.10</b>
Type AG26—Used with 250 Mmf. condenser in self-circled oscillator. Also used as Antenna coil, just pull circuit resistor out.	Type AG30—Antenna Coil.	Type AG32—Used with 2 1/2" diam. condenser in neutralized antenna.
<b>XN14163</b> Your Cost <b>\$1.00</b>	<b>XN14172</b> Your Cost <b>\$1.40</b>	<b>XN14176</b> Your Cost <b>\$4.75</b>
		Type AG35—Antenna coil.
		<b>XN14184</b> Your Cost <b>\$2.10</b>

## Antenna Insulators

### Airplane Type

Complete with base and fittings. Meets to fasten base by means of screws extending through outer flange. Diameter 3 1/2". Length 4 1/2". Shpg. wt. 2 lbs.

**XR16810**  
List \$4.00.  
Your Cost Each **\$2.40**

### Antenna Feeder Spreaders

Available in 1/2" thick, 1 1/2" long and 1/2" wide number 100 No. 12 or 14 wire. Permanent grip. Ideal for broadcast antenna.

**XR16817**—Standard 5' apart.  
**XR16818**—Standard 7' apart.  
Your Cost Each **15c**

### Amateur Type

Diameter 2 1/2". Supplied with brass nut, 2 brass nuts, 2 rubber washers and 2 rubber gaskets. Shipping weight 3 lbs.

**XR16813**—15' tall.  
List \$2.20.  
Your Cost **\$1.47**

**XR16814**—20' tall.  
List \$2.30  
Your Cost **\$1.56**

### Pyrex Antenna Insulators

Strong and neat, a size for every amateur purpose.

Stock No.	Length	Power Rating	Your Cost
<b>XR16805</b>	2 1/2"	500 Watts	\$0.17
<b>XR16806</b>	3"	250 Watts	.68
<b>XR16807</b>	4"	1 KW	2.06

### Antenna Insulator

The most serial insulator made. Very resistant for use with high power transmitters. Made of Mac Process Pyrexium material with a smooth finish to prevent the collection of dirt. All sizes are 1" in diameter and will withstand a stress of 1200 lbs. Shpg. wt. 3 lbs.

**XR16827**—7" long.  
Your Cost Each **36c**

**XR16828**—12" long.  
Your Cost Each **44c**

**XR16829**—20" long.  
Your Cost Each **67c**

### Feeder Spreader

Made of wet pine wood powder which is much denser and is far less moisture absorbent than the ordinary dry pine type. 4" long with grooves and holes for lead wire. Shpg. wt. 1 lb.

**XR16819** List 25c.  
Your Cost Each **17c**

### Stand-Off Insulators

Cerugated porcelain well glazed. Suitable for use as insulators for transmitter output terminals, switch gear, wiring, etc. 2 sizes both with 17-20 brass stud. Shpg. wt. 12 oz.

**XR16811**—5 1/2" high, 2 1/2" square base.  
Your Cost **32c**

**XR16812**—3 1/2" high, 1 1/2" square base.  
Your Cost **21c**

### Stand-Off Insulators

Made of porcelain with heavy enamel and great strength. Shaded body provides additional surface to prevent leakage. Length 1".

**XR16800**  
Net Each **7c**  
Lots of 10 **65c**

### JOHNSON Stand-Off Insulators

An excellent stand-off insulator useful in many ways. These also provide a type for any other imaginable lead-in, whether for antennas, for condensers, tank coils, etc.

**XR16745**—No. 20, 2" dia with 10-32 nickel plated brass base.  
By lots of 10 **80c**

**XR16746**—No. 22, 1 1/2" high, with 10-32 nickel plated brass base.  
Your Cost Each **6c**

In lots of 10 **55c**

**XR16747**—No. 24, 1 1/2" high, with 6-32 nickel plated brass base.  
Your Cost Each **5c**

In lots of 10 **45c**

### Jack Type Stand-Off Insulator

This useful insulator is provided with a jack top to take a standard plug. Connections are made by a soldering iron tip or standard wire.

Measure 1 1/2" high and 1 1/2" in dia. Metal parts of insulator plated brass.

**XR17091**  
Your Cost Each **9c**

### Wall Insulator

For supporting wiring in attics, basements or any place where supporting lead in or ground wires. Glazed porcelain. 2 1/2" high. Shpg. wt. 2 lbs.

**XR16735**—10 for \$3.45.  
Your Cost Each **8c**

### Screw-in Stand-Off

Strong porcelain insulator with screw base. 1 1/2" high. Shpg. wt. 3 lbs.

**XR16801**—Your Cost Ea. **10c**  
Lots of 10 **\$3.95**

### Shell Only

No fittings. For those who wish to purchase their own rods and fittings. Shipping weight 4 lbs.

**XR16815**  
**XR16816**  
Your Cost **68c**

### Pyrex Standoff Insulators

These high-grade insulators are the best used in stand-off type units. Are absolutely non-hygroscopic. Resistant to temperature changes. Used in vacuum tubes. Diameter of glass 1 1/2". Have flash over voltage when dry of 27.5 and 36 KV. respectively. Shipping weight 3 lbs.

**XR16808**—5" high overall.  
Your Cost Each **\$1.54**

**XR16809**—7" high overall. Shipping weight 3 lbs.  
Your Cost Each **\$1.72**

### BIRNBACH Feed Thru Standoff Insulators

Intended for sub-panel mounting. Constructed of high grade glazed porcelain. Ideal for mounting R. F. leads, resistors, high voltage tubes, R. F. chokes, etc.

**XR17093**—1 1/2" high and 1 1/2" in dia. Solid nickel-plated brass hardware using 6-32 screws and nuts.  
Your Cost Each **8c**

**XR17094**—Similar to the above, but measuring 3 1/2" high and 1 1/2" in dia. Uses 10-32 screws and nuts.  
Your Cost Each **12c**

### Jack Type

Identical in appearance with the above units, except that they have a jack top in place of the screw terminal. Jack made to take a standard plug 1 1/2" high and 1 1/2" in dia. Uses 10-32 hardware.

**XR17092**  
Your Cost Each **15c**

# Buy PUBLIC ADDRESS

ON THE BASIS OF *Performance* ONLY

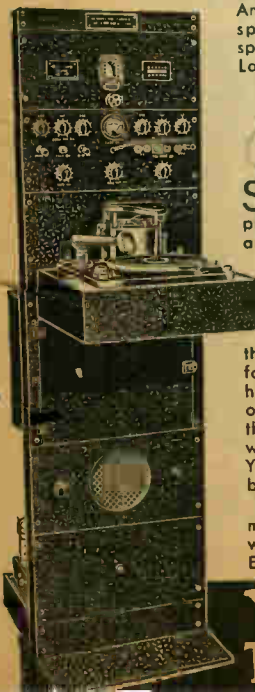
Here's  
**PROOF**  
that  
*Lafayette*  
**EXCELS**

THE proof of the pudding is in the eating. With Public Address—the Proof is in the Performance! Performance past and present; Performance before and after installation!

Here at Wholesale Radio Service Company we are Exclusive Worldwide Distributors for the famous Lafayette P. A. Equipment. Famous because it has withstood every test by some of the world's greatest users of P. A. Equipment. Famous because it gives you the best dollar for dollar value in P. A. Equipment . . . whether it be a low priced 3½ watt amplifier or the most complete and versatile rack and panel amplifier system.

To prove this we had a recognized and unbiased Testing Laboratory compare the relative merits of a Lafayette Amplifier with that of the nearest competitor **selling at the same price**. Compare the specifications in the table at the right and see for yourself why Lafayette Leads in Performance!

But we do not ask you to buy on the basis of these tests alone. Visit if possible, our permanent displays in New York, Newark or Atlanta. Listen to the performance of your system before you buy, through the medium of our scientifically designed hookup which enabled you to compare the relative merit of any Lafayette Amplifier with any make of speaker or combination of speakers. This is exclusively a Lafayette Service!



## LAFAYETTE EQUIPMENT IS USED THE WORLD OVER

SOME of the foremost users of Public Address equipment come to us for aid in solving their particular problems and with good reason. Lafayette Engineers are authorities in this field and were the originators of the low priced High Fidelity P.A. Amplifier which are now in general use by leading companies everywhere. These companies come to us because they realize that Lafayette does not build Public Address down to a price. They know that, although it is possible to manufacture equipment for less money, such equipment could never equal the high standards of quality or pass the rigid tests set by our Bureau of Standards. They know from experience that Lafayette prices are the lowest possible, consistent with the high quality of the equipment we manufacture. You may be sure that—"when good amplifiers can be built cheaper—Lafayette will build them."

Surely, the confidence of these companies in Lafayette must rest upon Performance . . . the one basis on which we ask you to buy when selecting Public Address Equipment.

● Here are the indisputable facts as given us by an unbiased testing laboratory on the Lafayette P15787 single 2B6 Amplifier and its nearest equivalent.

SPECIFICATIONS	LAFAYETTE	NEAREST COMPETITOR
Dimensions (overall not including tubes)	9" x 4½" x 7¾"	9" x 3½" x 6"
Weight	8½ lbs.	4½ lbs.
Dimensions Power Transformer	3½", 3¾", core stack 1¼"	2½, 2 15/16", core stack ¾"
Tubes Shielded	57 pentode	NONE
Filter Choke	20 hy. 300 ohm 1½" x 2½" core	NONE
Output Cathode Bypass	25 mfd 60 volt can type	5 mfd 35 volt cardboard
Frequency Response for + or - 1 DB	40-6500 cycles	62-1300 cycles
Overall Variation 60-10,000 cycles	-3DB (10,000 cycles)	*-25DB (10,000 cycles)
Harmonic Content at 5 Watts 40-8000 cycles	5% to 6%	7% to 12%
Rated Power Output (Catalog)	5 watts max.	6 watts max.
Peak Power Output or Overload Characteristic	9 watts max.	5 watts max.
Power Supply Regulation	75 percent	69 percent
Transformer Temperature Rise Average of Windings	125.6 Fahrenheit	174.2 Fahrenheit
Deviation of Output Tube Plate Voltage from Manufacturer's Maximum Rating	1/3 percent	25 percent

\*This Amplifier was rated as being essentially flat to 16,000 cycles.

## THIS GREAT BOOK ON SOUND IS ANOTHER PROOF OF LAFAYETTE LEADERSHIP!

HERE is a great book on SOUND, which has been written by Lafayette Engineers. Mr. Glenn E. West, Asst. Prof. of Electrical Engineering at Purdue University, says of it: "We have just received 'SOUND, Its Fundamentals and Methods of Application.' This book is the best treatise on sound and the principles underlying public address systems that we have ever seen."

Surely, a book of this kind, complete to its most minute details and covering a complex subject in simple language anyone can understand, could only be written by engineers who know intimately the Public Address Field. It will prove to be a Sales Manual and Business Builder for the Serviceman.

Get a few copies of this profusely illustrated book which gives LIST PRICES throughout. Place them in the hands of prospective purchasers. Let them read it, and they will sell themselves on the advantages of Public Address. Your price is only 25c which only partially covers the cost of printing.



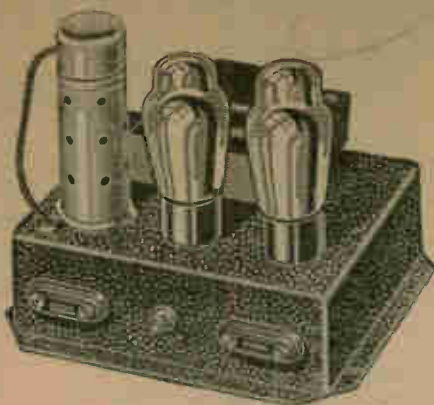
# You Can Buy With Confidence from The Largest Radio Mail Order House in the World!

# Two Famous *Lafayette* MIDGET AMPLIFIERS

**3.5 WATT**  
**\$9.75**

- ✓ Pentode Tubes
- ✓ Field Supply

Many hundreds of these amplifiers have proven their worth in all parts of the world. In various climates, from the tropics to the far north, they have been used for years and they have never failed to give the best of service. The circuit used in this amplifier has made it possible to use a very small power transformer. The circuit is as follows: a pentode is connected directly to a 2A5 6.3 volt transformer providing a gain of 32 db., with an output of 3.5 watts. An 8-ohm speaker is used as the load.



**5 WATT**  
**\$9.75**

- ✓ New 2B6 Tube
- ✓ 72 db. Gain

Now for the first time it is possible to create an amplifier with a conservative rating of 5 WATTS in so small a case. In fact, this amplifier uses a chassis identical in size with that of the single 2A5 amplifier listed here. The transformer output of this compact design unit is due to the use of the newly developed 2B6 tube. Lafayette amplifiers were the first to use this tube and the circuit used is a variation of Lafayette development.

For recording purposes no other amplifier could be done, due to its excellent frequency response. At 20,000 c.p.s. it shows 2 db. at 1000 c.p.s. it is up 1 db. and at 15,000 c.p.s. it is only 1 db. below the average gain of 72 db. The power output of the amplifier is 5 watts which is more than sufficient for recording (usually 2 watts is required for recording on aluminum and lacquered discs on reliability) and is ample for reproduction. The gain of 72 db. permits the use of a vacuum microphone without pre-amplification, provided the microphone is spoken into directly. Input to the amplifier is of the high impedance type (200,000 ohms) and a high impedance pickup may be connected directly to the amplifier without a matching transformer.

## Speaker Field Supply

Of particular advantage is the fact that this amplifier may be obtained with a 2A5 transformer supply at no extra cost. This makes it possible to use a D.C. speaker instead of the more expensive A.C. type.

## Finest Quality Components

Despite its low price, only the finest quality components are used throughout. All of our vacuum tubes are guaranteed to carry the usual Lafayette guarantee. This amplifier like all Lafayette amplifiers, is designed for continuous operation. Every care has been taken to insure long life. For instance, all Lafayette amplifier chassis are finished in crystallized black lacquer (DASID) as well as outside. Dissipating resistors, such as the "Mogul" 17, are high. Amplifiers are supplied with an output transformer and when needed, a speaker, whether or not needed for field operation.

- XP15790** Lafayette Two-Stage Amplifier, completely assembled and wired. Case 13 x 8 x 4 in. and speaker. Dimensions: 1 1/2" deep, 7 1/2" high. Ship. wt. 1 1/2 lbs. **\$9.75**
- XP15791** Complete Amplifier with tubes consisting of 1-47, 1-2A5. **\$11.50**
- Your Cost** \$23.00
- KW19288** Special Matched 8" Lafayette Speaker. Ship. wt. 5 lbs. **\$3.95**
- Your Cost** \$3.95

## Finest Construction

In building this amplifier only components of the highest quality are used so that failure due to breaking down of any part is practically unknown. All components are considerably overrated and are capable of carrying considerably greater loads than will ever be placed upon them. Chassis is of heavy gauge steel with spot welded corners and is black crystallized lacquer finished both inside and out.

- This is a standard Lafayette chassis and as such is one of the most rugged ever made.
- XP15787** Lafayette Two-Stage Amplifier, completely assembled and wired. Case 13 x 8 x 4 in. and speaker. Dimensions: 1 1/2" deep, 7 1/2" high. **\$9.75**
- Your Cost** \$12.95
- XP15924** Same as above but will supply field current for both tubes from 2000 to 100,000 ohms. Ship. 10 watts. **\$2.00**
- Your Cost** \$12.95
- Kit of matched tubes, 1-47, 1-2A5, 1-47. **Your Cost** \$2.00

# IMPROVED PUSH-PULL 3-STAGE AMPLIFIER

"High-Gain" Plus a 10-Watt Output  
for only **\$19.50**

by *Lafayette*

By the use of a new and exclusive Lafayette circuit, the output of this extremely versatile amplifier has been stepped up fully 25%. Now, more than ever before, is this the greatest value ever offered in a radio, standard, any other.

## THREE-STAGE CIRCUIT

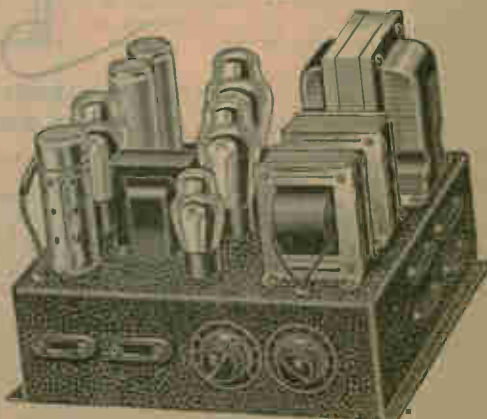
Three stages, having the exceptionally high gain of 100 db., are used as follows: a 12AX7 pentode tube is connected directly to a pair of 2A5 tubes in push-pull. An output transformer coupled to a pair of 2A5 pentodes in push-pull. An average output of 10 watts with a peak output of 14 watts is obtained! Overall amplification is so great that input connections are provided for the second stage. Input devices for use high outputs, such as transformer push-ups, are to be connected to the second stage. If connected to the first stage the output tubes will actually overload.

## TONE AND GAIN CONTROLS

A gain, or volume, control is provided for the first stage and a tone control, effective on either input, is also incorporated. A tone control is essential for an amplifier of this type, but of this type, but, since a little tone correction is desirable in many installations to overcome peculiar acoustical conditions, it has been included. In short, nothing has been overlooked that would contribute to a finer and better quality.

## QUALITY CONSTRUCTION THROUGHOUT

Both workmanship and the quality of the components used are of the finest. All components being considerably overrated so as to withstand far greater loads than they will ever be called upon to carry. Two amplifiers are available— with and without output transformer. When furnished with output transformer the output impedances are as follows: 2, 4, 8, and 15 ohms for speakers; 16 ohm coil and 200-300 ohms for line. Without the output transformer, impedance is 10,000 ohms from plate to plate.



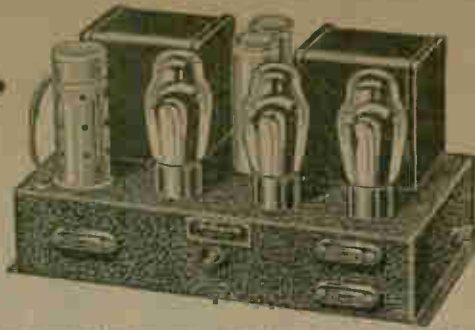
- XP15789** Lafayette Three-Stage Amplifier, completely assembled and wired. Case 13 x 8 x 4 in. and speaker. Dimensions: 1 1/2" deep, 7 1/2" high. **\$19.50**
- Your Cost** \$39.00
- XP15911** Same as above but with output transformer, see title sheet for details. Ship. 10 watts. **\$23.25**
- Your Cost** \$46.50
- Kit of matched tubes, consisting of 1-47, 1-47, 2A5A, 1-2A5. **Your Cost** \$2.00



# 15 Watt Push-Pull 2A3 Amplifier

by  
**Lafayette**  
**"De Luxe"  
Model**

★ **Direct Coupled**



**Field Supply  
for 2 to 4  
Speakers**

★ **Compact Size**

This new model Lafayette Push-Pull 2A3 Amplifier is the ideal unit to use where or whenever power with outstanding tone and quality is desired. Its power output is such as to be particularly useful for use in the average medium sized dining hall, theater or other gathering place. It is for those reasons the most popular unit of this popular line, and it adequately fills the demand for an amplifying unit that can be depended upon for satisfactory day-after-day performance in installations of this character.

### THE CIRCUIT

The circuit used is of the direct coupled type, which is superior in both gain and frequency response, but which is rarely used in amplifiers at any where near this price, because it is more expensive to build due to the high voltage required. It is only because of a truly consumer acceptance makes possible quantity production that we were able to offer an amplifier of this type at this price. A 67 percent direct coupled to a pair of 2A3 tubes in push pull. A 6Z5 high vacuum tube is used as rectifier. An exceptionally high gain of 80 db. with an output of 15 watts (18 watts peak) is obtained. The gain in the majority of cases eliminates the need for pre-amplification when a carbon microphone is used.

### THE TONE QUALITY

The frequency response of the amplifier is particularly good due to the unique method of neutralization employed. The maximum variation from the average level is 0 db. being only one db. plus or minus from 40 to 10,000 cycles. It is impossible, due to the limitation of space, to illustrate the actual curves obtained, however, this curve is shown in our "Sound Manual".

Field supply for four 150 ohm or two 300 ohm loads (7 watts each) can be obtained from the amplifier, thus eliminating the need for separate field sections and thereby considerably reducing the cost of the complete installation.

### INPUT AND OUTPUT IMPEDANCES

Input impedance of the amplifier is 500,000 ohms and permits the direct connection of high impedance plate pickups without the use of matching transformers.

Two models are available — one with, and the other without, output transformers. Output impedances with the transformer are 2, 4, 8, and 16 ohms for speaker voltages — 16, 32, 64 and 128 ohms for line transmission application. When supplied without the transformer the output impedance of the amplifier is that of the plate loads reduced by the tube — 3000 ohms.

### CONSTRUCTION

All components used in the construction of the amplifier are considerably over size and will safely carry far greater loads than will ever be placed upon them. The chassis is of steel and is finished in black crystalline lacquer, both inside and out, for protection against rust. Amplifier dimensions are 12" wide, 7" deep and 7 1/2" high. Ship. wt. 30 lbs.

**XP15940**—Lafayette P.P. 2A3 Amplifier **\$26.50**  
Low tubes and output transformer. List \$53.00. **Your Cost** .....

**XP15952**—P.P. 2A3 Amplifier with output transformer, free tubes. **Your Cost** .....

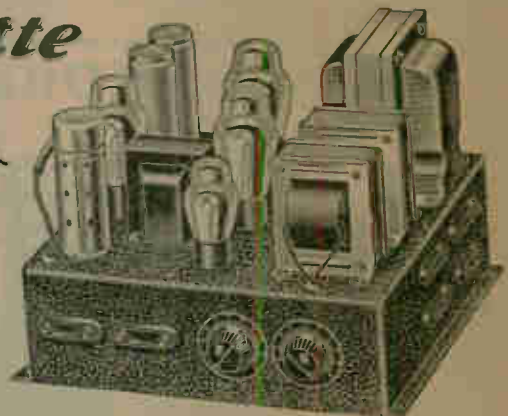
Kit of Matched Tubes. **Your Cost** .....

# 15 Watt "Three Stage" Amplifier

"High Gain" 2B6 Model by **Lafayette**

★ **Uses the NEW 2B6 Dual-Triode Tubes**

★ **Both Gain and Volume Controls**



The excellent performance of this high gain amplifier, and the exceptionally low dollar value, might easily lead us into using a string of superlatives in describing it. Instead, however, we will let the specifications given below give you the true picture of how well it performs. The price, of course, speaks for itself.

### THE CIRCUIT

The circuit is simple and rugged. A type 57 pentode is neutralization-coupled to a 12AU6 triode, which is transformer-coupled to a pair of 2B6 dual triodes in push pull. A 6Z5 tube is used as rectifier. The 2B6 dual triodes is a newly developed tube having a greater gain than former tubes yet retaining all the same quality (frequency response) advantages of those tubes. Lafayette engineers were the first to develop an amplifier using this tube. Continued research work has made a possible many new improvements and developments in the use of this tube. These new features have been incorporated in this amplifier and are responsible for the excellent results obtained. These features are relatively late ones and are not obtainable in other amplifiers.

### HIGH GAIN

An exceptionally high average gain of 85 db. has been obtained. This gain permits the use of a variety of microphones without pre-amplification power source required. This high gain is also of advantage in many industrial amplifier applications.

### FREQUENCY RESPONSE

Tone quality of the frequency response is exceptionally good. The maximum variation from the average level is 0 db. being only one db. plus or minus from 40 to 10,000 cycles. It is impossible, due to the limitation of space, to illustrate the actual curves obtained, however, this curve is shown in our "Sound Manual".

A gain or volume control is also provided so that the output of the amplifier may be adjusted to the degree of volume desired.

### INPUT AND OUTPUT IMPEDANCES

Two inputs to the amplifier are provided — one for three or two wires (any one used); both are of the high impedance type — 500,000 ohms. The amplifier may be obtained either with or without an output transformer. When supplied with the transformer the following impedances are available at the terminals — 2, 4, 8 and 16 ohms for voice coils also 250 and 500 ohms for lines.

### LOW HUM LEVEL

Due to the use of better type tubes throughout the hum level has been kept exceptionally low being actually 62 db. below maximum output. The filter system is especially efficient under large filter condensers and heavy iron-core chokes in a combination heavy tone and third choke circuit. Chassis dimensions are 12" square, 9 1/2" high. Shipping weight, 30 lbs.

**XP15937**—Lafayette "High-Gain" P.P. 2B6 **\$22.45**  
Low tubes and output transformer and tubes. List \$44.00. **Your Cost** .....

**XP15938**—Lafayette "High-Gain" P.P. 2B6 Amplifier with output transformer and tubes. List \$52.50. **Your Cost** .....

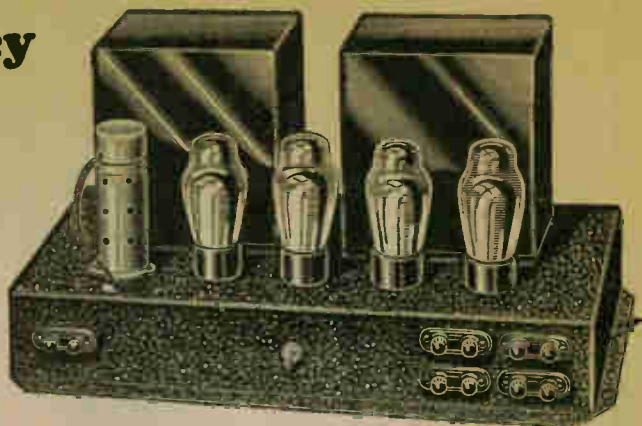
Kit of Matched Tubes. **Your Cost** .....

**We Will Not Knowingly Be Undersold**

# 28 WATT CLASS "B" AMPLIFIER

## "Auditorium" Model by Lafayette

- ✓ **Excellent Frequency Response**
- ✓ **Direct Coupled Driver**
- ✓ **Full 28 Watts Output (Peak 32 Watts)**



Installations in Auditoriums, Theaters, Dance Halls, Lodge Rooms, etc., demand an amplifier that combines great power with excellent tone quality. This direct coupled class "B" amplifier has been especially designed for such installations. It has Power—conservatively rated at 28 watts. It has Tone Quality—a maximum variation of less than four db. between 60 and 10,000 cycles. And in addition it is economical to operate, the average drain from the supply line being 85 watts at 115 volts. Its power output is great enough for use in large auditoriums and dance halls and it will operate as many as 12 speakers to a plus 20 db. level. In fact, for all except the largest outdoor stadium locations, no other amplifier could be desired.

### THE CIRCUIT

The circuit employed uses a 57-pentode tube directly coupled to a 59-driver tube driving a pair of 26 tubes in class "B". An 83 mercury vapor tube is used as rectifier. An average gain of 83 db. is obtained making it possible to use a microphone without pre-amplification in many instances. This gain is due to a great extent to the use of the direct coupled stage ahead of the driver. The direct coupled stage also accounts for the excellent high frequency response of the amplifier.

### OUTPUT TRANSFORMER

The amplifier is furnished complete with an output transformer having the following output impedances: 2, 4, 8 and 15 ohms for speaker voice coils, also 500-ohm and 250-ohm line output impedances. Input impedance to the amplifier is 500,000 ohms. This permits connecting a high impedance phonograph pickup directly to the amplifier without using

a matching transformer.

### HUM LEVEL

Hum level has been kept extremely low being 73.9 db. below maximum output. This has been accomplished through the careful filtering of the plate supply to all tubes. Special low resistance filter chokes are used to assure excellent regulation and the filter condensers are of the high voltage type assuring long and satisfactory life. Both the power transformer and the choke assembly are designed to handle considerably more than the normal current to which they are subjected under full load. These bulky units measure 6 1/2 by 6 by 5 inches each.

### RUGGED CONSTRUCTION

Construction is extremely rugged throughout. The chassis is formed of pressed steel with spot welded corners and is heavily crystalline lacquered both inside and out for protection against rust. All components entering into the construction of the amplifier such as resistors, condensers, etc., are carefully checked and tested both before and after they are built into the amplifier. The completed amplifier is then tested under actual operating conditions.

**XP15760**—Lafayette Class "B" Amplifier, completely assembled and wired. For 100-130 volts, 50-60 cycles A. C., less tubes and loud speakers. Dimensions: 11 1/2" deep, 20" long, 10" high. Shpg. wt. 61 lbs. List Price \$79.00.

**Your Cost** ..... **\$39.50**  
**XP15757**—Complete amplifier with matched tubes, consisting of 1-57, 3-59s, 1-83. **Your Cost** ..... \$43.25

## 22 Watt "Dual-Triode" Amplifier

### by Lafayette

### P. P. Parallel Model

## High Power at Low Cost

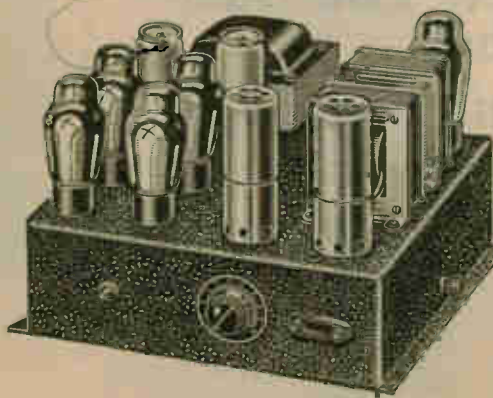
Incorporating such advanced features as "Phase Inversion" and "Push-Pull-Parallel Output Stage" this Amplifier is truly modern in design. Its output has been very conservatively rated at 22 watts and it is therefore suitable for use in Auditoriums, Dance Halls and similar locations where a fairly large output is required.

### UNUSUAL CIRCUIT

The unusual circuit, as used in this amplifier, is as follows: a type 53 duo-triode is used as a phase inverter which is coupled to another 53 duo-triode as a stage of push-pull amplification. This is, in turn, coupled to four 2B6 dual-triodes in a push-pull-parallel output stage. Plate current is furnished by an 83 mercury vapor rectifier tube.

### WIDE RANGE REPRODUCTION

All stages are resistance-capacity coupled, thus doing away with the inherent difficulties of transformer coupling such as limited frequency response, hum pick-up, etc. Frequency response is exceptionally fine, varying only plus or minus 1/2 db. between 60 and 10,000 cycles per second! The use of four output tubes in a push-pull-parallel circuit makes possible the exceptionally high output of 22 watts with a peak output of 30 watts! The output tubes are of the new dual-triode type (2B6) and are actually two direct coupled stages of amplification within each tube. The use of these tubes is one of the reasons for the excellent frequency response obtained.



Impedance to the amplifier is 500,000 ohms and permits the direct connection of a high impedance phonograph pickup thus eliminating the need for a matching transformer. Microphones and low impedance pickups must be used with suitable matching transformers.

### OUTPUT IMPEDANCES

The amplifier is supplied with the output transformer and the output impedance is therefore that of the load required by the tubes—5,000 ohms plate to plate. An output transformer having this impedance and the following secondary impedances is available: 500 and 250 ohms for lines, 2, 4, 8 and 15 ohms for voice coils of

dynamic speakers.

### RUGGED CONSTRUCTION

Like all Lafayette amplifiers the construction throughout is exceptionally rugged. The chassis is of formed steel with spot welded corners and is heavily lacquered, both inside and out, in an attractive black crystalline finish. Dimensions, 12" square, 9 1/2" high. Shpg. wt. 35 lbs.

**XP15936**—Lafayette Push-Pull-Parallel 2B6 Amplifier less tubes and output transformer. List \$54.00.

**Your Cost** ..... **\$27.50**  
**XA406**—Output Transformer as described above. Shpg. wt. 5 lbs. **Your Cost** ..... \$5.25  
**Kit of Matched Tubes. Your Cost** ..... \$7.95



# "HIGH-FIDELITY" AMPLIFIER by Lafayette

**Flat from 20 to 17,000 C. P. S.  
Entirely New Circuit  
High Gain - 78 db.  
15 Watts Output**

The trend toward "higher fidelity", or more faithful frequency response, in Public Address Systems has become increasingly greater from day to day. With the advent of ribbon or velocity microphones, high frequency speakers, wide range recording, etc., it has been definitely proven that the amplifier must be capable of reproducing all the frequencies in the audible spectrum faithfully without stressing any particular frequency.

The new Lafayette "High-Fidelity" Amplifier will amplify all frequencies from 20 to 17,000 c.p.s. with **equal intensity!** No particular frequency is amplified to any greater degree than any other within the range of the amplifier. Space limitations prohibit the illustration of the response curve obtained (this curve is, however, shown in the Lafayette Sound Book) but it is actually a straight line from 20 to 17,000 c.p.s.

### CIRCUIT

Six tubes in all are used in the specially designed circuit consisting of a 53 "phase inverter" tube, a pair of 56 tubes in push-pull, a pair of 2B6 duo-triodes in push-pull and a type 83 mercury vapor rectifier. It will be noted that all stages are push-pull yet no coupling transformer is used! The gain of the circuit is actually 78 db. thus permitting the use of a carbon microphone under ordinary conditions without pre-amplification. And the power output of 15 Watts (peak 20 Watts) makes this amplifier particularly suitable for the greater majority of installations. Input impedance to the amplifier is the standard high impedance type as used in all Lafayette amplifiers—500,000 ohms—so that high impedance pick-ups, etc., may be connected directly without matching transformers.

### CHOICE OF OUTPUT TRANSFORMERS

It is advisable, of course, to use the best output transformer available. No transformer is supplied with the amplifier but the following are recommended:

Type No. 1 has a frequency response that is down app.—1.5 db. at 20 cycles; plus 1 db. at 1,000 cycles and down only—2 db. at 17,000 cycles p.s. Type No. 2 is down 3 db. at c.p.s.; plus 1 db. at 1,000 c.p.s. and down 4 db. at 12,000 c.p.s.

**XP15753—High Fidelity A. C. Amplifier less tubes and less output transformer. Size 16" wide, 7" deep, 8" high. Shpg. wt. 40 lbs. List \$79.00**

**Your Cost \$39.50**

Kit of Matched Tubes..... \$4.80

**XP15930—Type No. 1 Output Transformer. Your Cost 12.50**

**XP15931—Type No. 2 Output Transformer. Your Cost 4.50**

Both transformers to 2, 4, 8, 15 ohm voice coil—500 ohm line.

A Lafayette D. C. "High-Fidelity" Amplifier is also available as quoted below. For specifications refer to the "Sound Book."

**XP15754—Lafayette "High-Fidelity" D. C. Amplifier, less tubes and output transformer. Size 16" wide, 7" deep, 8" high. Shpg. wt. 40 lbs. List \$55.00**

**Your Cost \$27.50**

Kit of Matched Tubes..... \$7.59

**XP15932—Type No. 1 Output Transformer. Your Cost 14.95**

**XP15933—Type No. 2 Output Transformer. Your Cost 4.75**

Both transformers to 2, 4, 8 and 15 ohm voice coil—500 ohm line.

# SIX VOLT P. A. SYSTEM by Lafayette

**A Complete P. A. System  
for Operation from a  
Storage Battery**

Here is a system that, at an exceptionally low cost, makes it possible for you to turn any truck, or passenger car, into a sound truck that can be profitably rented out by the day, or week, to political clubs, theatres, merchants, etc. The system is so compact that it will not decrease the seating capacity of any car—even a coupe.

### COMPLETE SYSTEM

Included in the system are two large Lafayette Trumpets with Cone Units—a Two Button Microphone complete with a desk stand and 25 feet of mike cable—a Senior Mike Input Stage—and the Lafayette 6 Volt 15 Watt Amplifier. The output of 15 watts is great enough to make this system suitable for practically any purpose.

### SIMPLE INSTALLATION

Installation is extremely simple. The speakers are mounted on the roof of the car—one facing the front and the other facing the rear. The amplifier may be placed in any convenient location with the Mike Input Stage within a short distance from it—connecting the two with the shielded lead supplied for that purpose. Only two leads are connected to the battery—all other leads—field, voice coil and input stage—going to the amplifier. The complete system can be installed within an hour easily.

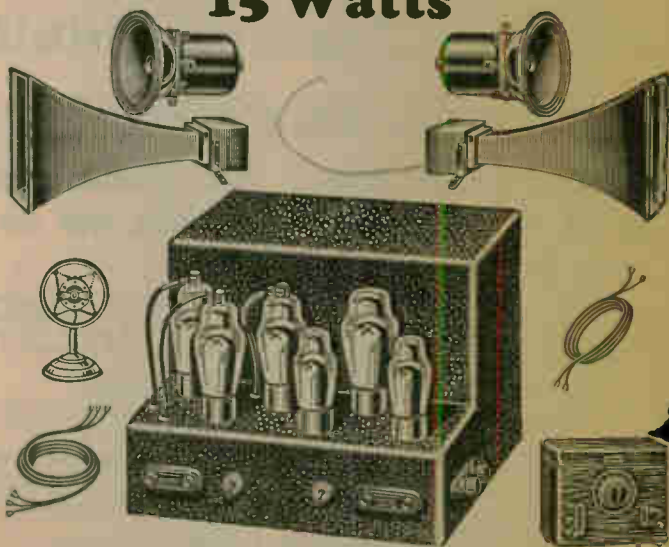
### WILL OPERATE 8 SPEAKERS

The output of this system permits the addition of up to 6 speakers (8 in all), where greater coverage is desired, without loss in volume or tone quality. A separate battery for the excitation of these additional fields is necessary.

### RUGGED CONSTRUCTION

All components are rugged in construction so as to withstand the vibration and abuse that sound truck systems are subjected to. The amplifier has been finished, both inside and out, in an attractive black crystallized lacquer that protects it from rusting due to dampness. Chassis is of pressed steel with spot welded corners. Heavy rubber covered leads connect amplifier to battery. The trumpets are weatherproof, and strongly made, yet light in weight. Shipping weight of the complete system is 125 lbs.

Many sound trucks include a turntable and pick-up for the reproduction of recorded entertainment. This is used to attract the attention of passers by to printed advertising attached to the side of the truck or to entertain them until the speaker is ready to speak. In some cases a record is made of a sales talk, etc., and that is used instead of a speaker or lecturer. For this purpose we have available a special six volt operated phono-motor and turntable and a highly efficient pick-up, which may be



mounted in any position desired in the truck—preferably in such a manner that the vibration of the truck while running will not be transmitted to it.

**XP15946—Lafayette "Sound Truck" Public Address System for battery operation complete with 2 Trumpets, 2 Cone Units, \$97.50**

Input Stage, etc., as listed above. List \$139.00

**Your Cost (less tubes)..... \$97.50**

**XA345—Special Lafayette Six Volt Phono-Motor and phono-pick-up for use in sound trucks, including 12" turntable. Dual speed. Shpg. wt. 20 lbs. \$20.95**

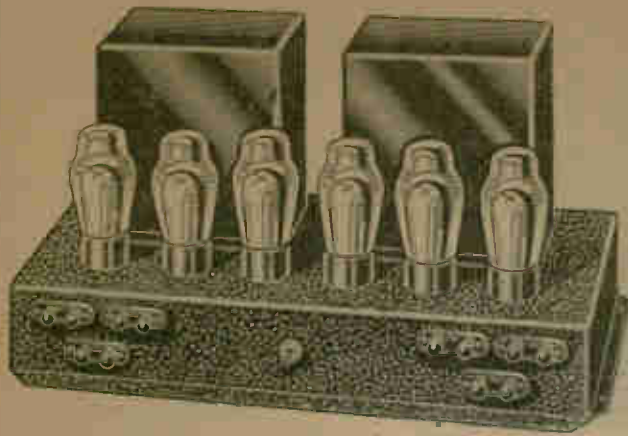
**Your Cost..... \$20.95**

The Lafayette 6 volt Amplifier is also available separately as quoted below. See "Sound Book" for detailed specifications.

**XP15764—Lafayette 6 volt Amplifier less tubes but complete with well-matched "B" supply. Size 10 1/2" wide, 7 1/2" deep, 7 1/2" high. Shpg. wt. 40 lbs. List \$8.00**

**Your Cost \$34.50**

Complete Kit matched tubes, 8-73, 1-42, 2-31. **Your Cost..... \$3.67**



# NEW 60 WATT [80 W. PEAK] CLASS "B" Power Amplifier by Lafayette

Increase the output of your present equipment with this latest LAFAYETTE achievement!

Now you can increase the output of your Public Address system by adding to your present equipment this new POWER AMPLIFIER with the extraordinary output of 60 WATTS (80 watts peak) which is sufficient for use in outdoor installations with a capacity of 50,000 people. This extraordinary Amplifier is an exclusive Lafayette development and is far ahead of anything that has ever been designed for this purpose.

### TECHNICAL DATA

**INPUT**—A special input transformer is supplied so that the amplifier may be driven either from a push-pull 2-16 impedance or from a 200-ohm line. If your present equipment does not have a 200-ohm output it is only necessary to obtain a 200-ohm output transformer to couple it to this amplifier. The output is just necessary for average output is ONLY 6 WATTS and the average amplifier rated at this output is sufficient to drive this unit. However, if you want maximum output you will have to use a greater output than this to handle maximum peak voltages. We especially recommend the Lafayette Push-Pull TAT Amplifier. The peak output with 8 watts input is 88 WATTS, and the all Lafayette amplifiers it is conservatively rated.

**OUTPUT**—An oversized output transformer has three output windings, the 1000-ohm line and 200-ohm line. With the even impedance line winding to output with 8 watt input the following impedances are 200-ohm line or one 500-ohm line or two 500-ohm lines or one 1000-

ohm line or one 1000-ohm and one 500-ohm line. When ordering specify the impedance you intend to use and we will furnish information as to the best method to use for obtaining maximum efficiency.

**POWER SUPPLY**—In order to obtain the most efficient current regulation extremely low resistance tube sockets are employed. All components are capable of carrying 200% of the maximum amount of current required at any time. Two 50% reserve output type resistors are used in a special bridge circuit so that each tube is carrying exactly half the current at all times. Choke input filtering is used to further improve regulation.

**GAIN**—The exclusive circuit developed by Lafayette engineers provides the maximum gain of 12 db.

**TUBES USED**—Four type 65 tubes and two type 64 tubes.

**VOLTAGE INPUT A.C.**—This amplifier draws only 180 watts at maximum output—an efficiency of better than 50%.

**MODULATION USE**—Can be used to modulate 100% any transmitter rating up to 120 watts of A.C. input.

**DIMENSIONS**—11 1/2" deep, 20" long, 10 1/2" high. Wt. 60 lbs.

**XP1A778**—Lafayette 60-Watt Class "B" Amplifier with input and output transformer. List \$129.50

Your Cost **\$59.75**  
Kit "standard" tubes, 4-39; 2-65. Your Cost \$4.00

## 60 Watt Stadium Public Address System by Lafayette

\* Sufficient Power for Stadiums, Ball Parks, etc., seating up to 50,000 Persons

Efficient, because of the improved power transfered, installations in large stadiums, ball parks, ball fields, etc., were very simple. New tube developments plus careful engineering, and a customer everywhere that makes possible quantity production, has resulted in bringing the cost of such equipment to a surprisingly low price.

### SUPERIOR ALL AROUND PERFORMANCE

While the low price, however, this equipment is not only comparable in equipment being many times as much, but is far superior in all-around performance to many other systems.

The complete stadium equipment as shown here has not only superb speakers for these shows but is chosen according to the particular suitability of all kind. In other sections of this catalog will be found complete listings and descriptions of suitable speakers. Naturally such speakers will be used out-of-doors and trumpet type and therefore be loud.

### PHONO PICKUP AND TURNTABLE INCLUDED

The complete equipment, as shown in the picture, consists of the following: One Lafayette Model 26 down-loading microphone complete with an ad. station floor stand and 25 feet of microphone cable, one phono-style radio control box, one portable turntable and pickup for record reproduction, the Lafayette Push-Pull TAT Amplifier as described on page 11 of this catalog and the Lafayette 60-Watt Amplifier described at the top of this page, plus a complete set of tubes for both amplifiers.

### FINEST QUALITY COMPONENTS

With this system it is possible to furnish musical entertainment by means of recordings, or make a radio show, to an easily as 50,000 persons with ease. The complete system is of the finest quality throughout and is carefully prepared and tested under actual operation before shipment. It comes to you complete with full instructions for installing and use.

**XP1B34**—Lafayette 60-Watt Stadium Public Address System complete with all equipment as described above.

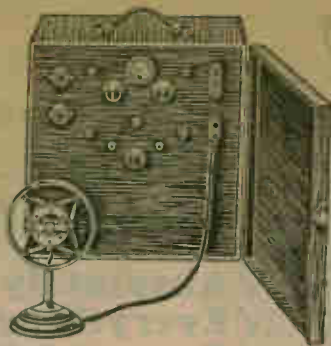
Wt. 60 lbs.  
List \$129.50  
Your Cost **\$160.00**



# The Ultimate in a Portable P.A. System / Lafayette Push-Pull 2A3 PORTABLE



Closed View



Open View



a NEW and IMPROVED model Lafayette De Luxe Portable P.A. System. ALL of the features of the previous, highly popular, model PLUS a new high in power output! Last year's model has what was considered to be the highest power output ever obtained in a portable P.A. System. But this NEW model has an output that is actually 50% greater than last year's! The phenomenal power output of 15 watts is available! This is more than enough for many moderate sized auditoriums. Built into two extremely rugged cases—one containing the amplifier and mixing panel—the other, the two speakers. The Amplifier is the NEW and IMPROVED Lafayette P.P. 2A3 model with a conservatively rated output of 15 watts.

The Mixing Panel is of special LAFAYETTE design and incorporates a Master Switch with Pilot Light—A Mike Current Switch with Pilot Light—A Mike Current Control—A Triplet Mike Current Meter—Two Jacks for breaking into either button line for measuring button current—A Master Gain Control—A Tone Control—A Phono-Mike Changeover Switch and ALL connections. Microphone—Phono-pickup and both Speakers are made from the front of the panel. Control over EVERYTHING is had at this one versatile panel. Tone and Volume can be varied—Mike and Phono-pickup can be readily changed.

The Two Speakers are housed in an extremely practical case that serves

- ✓ 15 WATTS OUTPUT
- ✓ TWO HANDY CASES
- ✓ BUILT-IN MIXING PANEL
- ✓ PERFECT TONE QUALITY
- ✓ RUGGED CONSTRUCTION

Amplifier Case 18 1/2" x 18 1/2" x 11 1/2" deep  
Speaker Case 18 1/2" x 18 1/2" x 13 1/2" deep

both as bases for the speakers and as a very compact carrying case. Special Auditorium Speakers are used, having 12" cones, and are provided with special matching transformer that assure their maximum performance irrespective of the distance from the amplifier. Each speaker is provided with a 50 ft. cable and plug. A special snap-on cover protects each speaker cone from damage during transportation.

The Microphone is a standard LAFAYETTE model 25—one of the finest microphones made today. A special desk stand assures correct suspension and protection for the microphone.

XP15792—LAFAYETTE Push-Pull 2A3 Portable P.A. System complete with LAFAYETTE 25 D. 3. microphone and desk stand. Triplet button current meter included. Shipping wt. 65 lbs. List Price \$199.00

Your Cost

**\$99.50**

XP15793—Extra pair of matched speakers with self-contained field supply in carrying case turns as the one supplied with system. Shipping wt. 80 lbs.

Your Cost

\$29.50

Kit of matched tubes, 2-2A3, 1-57, 1-83

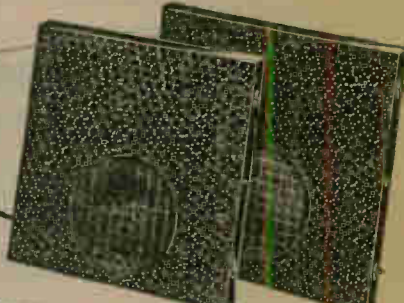
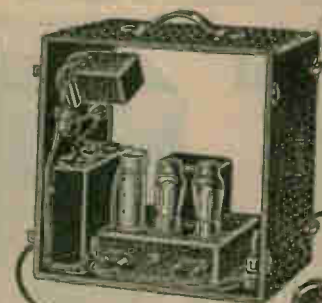
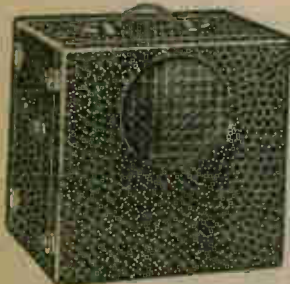
Your Cost

\$3.00

## A NEW and IMPROVED PORTABLE Lafayette by A Dual Speaker System with a Full 5 Watt Output

• Using the NEW 2B6 Amplifier

• Greater Output—Better Tone



As never before has it been possible to obtain a complete P.A. System with an output as great as this in so small a case. Many entirely new features that are exclusive Lafayette developments are incorporated in the design of this new 2B6 Portable P.A. System. It is no larger than the previous highly popular model yet has an output that is over 40% greater! It is compact enough to carry in a trunk or in the rumble seat of a car and can be set up ready for operation at a moment's notice.

### INGENIOUS CONSTRUCTION

Almost every cubic inch of space in the strong carrying case, measuring 18" square by 10" deep, is utilized. The two 50-watt tubes of an 80-watt amplifier for the two speakers mounted in them. These tubes are equipped with a sliding foot that keeps them upright when they are placed on the stage platform, etc. Inside the case itself is mounted the amplifier with a 57 portable pentode vacuum tube supplied to a 2B6. Field current is furnished by an 83 tube. A sensitive single button selector switch is supplied with the system. Microphone current is furnished by dry cells mounted in a box next to the amplifier. A 50 ft. cable is secured on the side of the case for quick connection to a microphone of the system from auditorium to

auditorium. The gain of the amplifier is sufficient to permit even a soft speaking voice to be heard over a considerable area.

### HIGH EFFICIENCY OBTAINED

In the design of a portable amplifier every part must justify its weight. Lafayette engineers have carefully designed the entire unit in order to assure the maximum performance of each component used. Dimensions are 18" square, 10" deep. Maximum weight, 22 lbs.

XP15727—Lafayette Dual Speaker 2B6 Portable Public Address System with single button hand mike—

Shipping wt. 57 lbs. \$79.00

Your Cost

**\$39.50**

XP15 28—Same as above but with double button Hand Mike.

Your Cost

\$42.50

XP15 29—Same with two button Hand and 150-watt Speaker.

Your Cost

\$45.50

Complete Kit of Matched Tubes for Above described amplifiers.

Your Cost

\$2.68

Replacement Part Headquarters for Dealers and Service Men

World Radio History

# Another Lafayette Triumph!



**A complete "Theater" Amplifier for use with Portable Talking Picture Machines!**

- ✓ **Absolutely Complete!**
- ✓ **Everything Accessible!**
- ✓ **Compensated Frequency Response!**

## ✓ 15 Watts Output!

Lafayette Engineers have again done the seemingly impossible! A complete Theater Amplifier with ALL the latest features in a unit measuring only 14½" by 8¾" by 9" high! It has EVERYTHING other larger Theater Amplifiers have—and then some! For instance . . . it has two photo-cell inputs with separate voltage control for each cell! . . . it has a separate sound on disc or microphone input with a switch to change over from photo-cell to mike input instantaneously! . . . it has exciter lamp supply for either 8 volt lamps at 4 amps. or 10 volt lamps at 7.5 amps! . . . it has connections for two separate exciter lamps (two projectors) and a switch for connecting either projector at will! . . . it has a separate exciter current supply switch to cut off the exciter lamps when mike or disc pickup is used! . . . it has both volume and tone controls! . . . it has a fused A. C. line! . . . it has A. C. terminals accessible from the FRONT of the amplifier! . . . it has field supply for either one 1000 ohm 10 watt field or two 2000 ohm 5 watt fields for speakers! . . . and it has a compensated "low frequency cut-off" response that makes it the finest amplifier you ever heard for portable talking picture machines!

### 15 WATTS OUTPUT

Despite its compactness that makes it possible to mount the complete amplifier in a very small carrying case it has a very conservatively rated output of 15 watts with a peak output of 20 watts! The special Lafayette designed circuit used in this amplifier makes use of the following tubes: one type 57, one type 53, two type 2B6's and one type 5Z3. An average gain of 94 db. is realized with a specially compensated frequency response curve having a low frequency cut-off. It is -10db at 40 cycles, plus 3 db. at 1000 cycles and -3 db. at 8000 cycles. A special model for use with 16 m.m. film is also available. In addition a tone control is included to modify the high frequency response if desired.

**SOUND ON FILM PROJECTORS.** We can supply a Lafayette Portable Standard 35 Mm. Talking Picture System complete with this amplifier for commercial or home use. Prices and information with detailed description on application.

The particular problems arising in operating a portable projector have been carefully studied by Lafayette Engineers with the result that a special type of construction is used. All terminals, switches, controls and the fuse are at the front of the amplifier so that it may be mounted into a case and yet permit access to all controls. A special screen cover protects the tubes against damage and loss. All construction throughout is rigid to withstand the unavoidable rough usage that portable equipment is bound to be subjected to.

### CHOICE OF OUTPUT IMPEDANCES

A choice of output impedances of 2-4-8-15 and 500 ohms is available. Field current for one 1000 ohm field at 10 watts or two 2000 ohm fields at 5 watts is also available. Input impedances are of course for the photo-cells and for a high impedance pickup or for a matching transformer when used with low impedance pickups and microphones. Amplifier is supplied complete with two special "low capacity" shielded cables with plugs for attaching photo-cells to the amplifier, and a cover for the amplifier. Overall dimensions (knobs included) are 14½" long, 8¾" deep and 9" high. Finished in black crystallized lacquer both inside and out. Shpg. wt. 45 lbs.

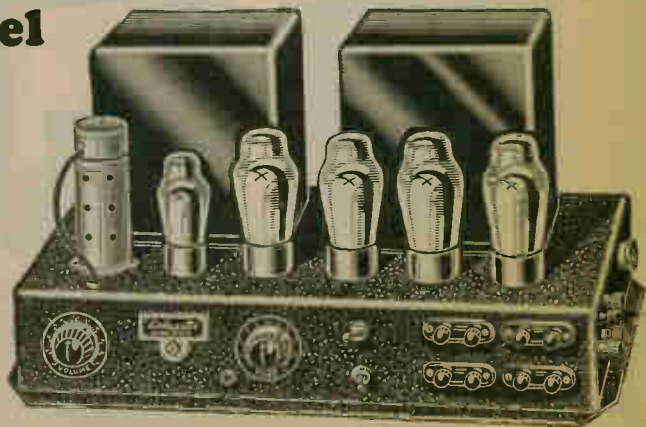
**XP15922 Lafayette Portable Theater Amplifier complete as described but less tubes.**  
**List \$119.00**  
**Your Cost . . . . . \$59.50**  
 Kit of Matched tubes for the above. 1-57, 1-53, 2-2B6, 1-5Z3.  
 Shpg. wt. 2 lbs. **\$4.00**  
**Your Cost . . . . .**

**Note:** A model having a specially designed frequency response curve for use with 16 m.m. film is available at a slightly higher price. Price and details on application.

## Special Theater Model 28 Watt Class "B"

'Sound on Film' General Purpose Amplifier

by *Lafayette*



Now it is possible for even the smallest of theaters to offer their patrons the finest quality of reproduction. No longer is it necessary to put up with inferior tone quality because the cost of "high fidelity" sound system amplifiers was prohibitive. Here is an amplifier, specially designed for such installations, that compares favorably with the finest made, yet it is priced so low that there can be no excuse for continuing to offer your patrons "mushy," hard to understand, sound with their film entertainment.

No pre-amplification is required with this four stage amplifier, having an output of 28 watts. A 57 tube is coupled to a 56 which in turn is coupled to a 59 driver stage driving a pair of 2A's in class "B". An 83 rectifier tube supplies plate current. Two polarized electrolytics are provided for the connection of the photo-cells. Both cell polarizer and exciter lamp current is supplied by the amplifier. A change-over switch is also provided for swinging from one projector to the other.

### Tone Control

Many theaters have difficult acoustic problems that can often be remedied by the use of a tone control. A really efficient tone control is incorporated in the amplifier.

### Volume Control

A very effective volume control that does not affect the clarity at any

degree of volume has been especially developed for this amplifier.

### Rugged Construction

Theater work demands an amplifier that will give unfailing service continuously day after day. This amplifier has been designed with that in mind and each component is considerably oversize and can stand by far greater loads than will ever be placed upon them. Shpg. wt. 61 lbs.

**XP15763 Class "B" Sound on Film**

**Amplifier.**

**List \$149.00**

**Your Cost . . . . .**

Matched Kit of Tubes for above . . . . .

**\$74.50**

**\$4.15**

# Complete PUBLIC ADDRESS SYSTEMS *vs Lafayette*

## The "Utility" 2A5 System

- A complete System at an exceptionally **LOW PRICE!**
- Excellent for use by **window demonstrators.**

This System is especially suitable for use in window demonstrators, entertainment halls, stores, restaurants, hearing aids, etc. It is also suitable for many special uses and can be installed wherever a system with an output of 2 1/2 watts is required. A large wall mounted cabinet or a smaller floor cabinet of choice in connection with window demonstrators. A portable unit with a flexible connecting station has been designed a complete system for each of its studies.

### COMPLETE SYSTEM

The System consists of the following: a model 12 double diode tube and pre-amp with a flexible stand, the 12 volt regulated tube power supply, a window table input stage complete with mirror battery, an 8" dynamic speaker with a suitable matching transformer, and the 2A5 three and a half watt Amplifier complete with tubes.

### MATCHED UNITS

All of the components in this system have been chosen with the view of obtaining a unified matched system that will give the finest possible results. The Amplifier is the Lafayette model 2A5 model that is fully described on page 10 and all the other items including the speaker, input stage, microphone, etc., are accurately matched to the amplifier.

### EASILY INSTALLED

The complete system is carefully tested and adjusted before it is shipped to you and comes complete with full easy to understand instructions for installation. Actual installation is simple and can be quickly accomplished. This system is powerful enough to operate two speakers if desired. In this event the additional speaker will require its own full supply. For prices on additional speakers write us.

**XP15743** Complete Lafayette "Utility" 2A5 Public Address System as described above. **Street price, \$45.00.**

Your Cost

**\$28.75**



## The "Utility" 2B6 System

The Utility 2B6 System is similar to the system outlined above but incorporates a more powerful amplifier—the Lafayette 2B6 having an output of 4 watts. The more powerful amplifier makes it particularly effective when a greater number of speakers (up to 3 or 4) must be used. Because the 2B6 amplifier does not require an additional special speaker with its own battery, it is only furnished with the system instead of the speaker included. While only one speaker is included in the system a full list of speakers is available to you. A battery is also used in the maximum operation of the amplifier. Full instructions for installation and operation are furnished with the system.

**XP15926** Complete Lafayette "Utility" 2B6 System including one special speaker as described above. **Street price, \$45.00.**

Your Cost

**\$33.75**

## The "High Gain" 2A5 System

- An excellent System for the amplification of Music
- Particularly suitable for small Dance Halls

The High Gain Three Stage P. A. System, illustrated at the right, has been especially designed to eliminate the need for multiple pre-amplification. Pre-amplification is required with most systems when it is desired to pick up voice or music at a distance from the microphone; for example, the amplification of orchestral music. This is so because a greater gain is needed than is necessary when the music phase is spoken into directly. Therefore this system is particularly recommended for use in dance halls, small ballrooms, banquet halls, etc.

### COMPLETE SYSTEM

This system includes the High Gain three stage push-pull 2A5 Amplifier as described on page 75 of this catalog. It is furnished complete with a built-in matching transformer, a model 25 double diode tube microphone and sensitive four stage, 25 volt of this high impedance tube, a window table input stage with self contained mirror current battery, two 12" Special P. A. C. Speakers using three ohm impedance the best quality and supplied with a permanent magnet motor so that they may be moved and focused desired. In the amplifier with a microphone in its volume and a complete list of special types of tubes for the amplifier and the speaker. For a more complete description of the various units look under their respective listings in this catalog.

### ADDITIONAL SPEAKERS

The amplifier is capable of operating as many as six speakers, therefore it is possible to add as many speakers as desired to this system up to the full capacity of the amplifier. For prices on additional speakers refer to the speaker section of this catalog.

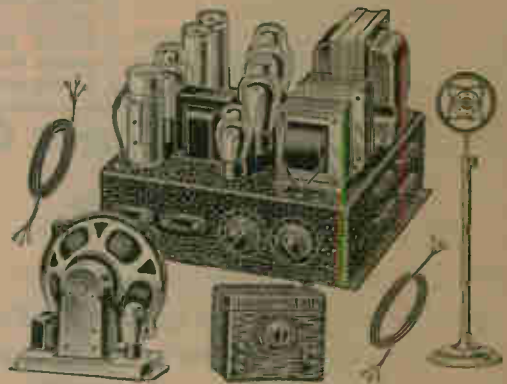
### QUALITY COMPONENTS

Each of the items included in this system is of the finest quality and will give long and satisfactory service. The complete system has been carefully tested and adjusted before shipment to you and comes complete with all necessary early authentic instructions for installing and operating.

**XP15744** Complete Lafayette "High Gain" 2A5 Public Address System as described above. **Street price, \$114.00.**

Your Cost

**\$72.00**



## The "High Gain" 2B6 System

The High Gain Push Pull 2B6 System is similar to the one pictured above but features the most powerful Push Pull 2B6 Amplifier (see page 75 of this catalog). It has an output 50% greater than that of the system illustrated at the left. It will be particularly suitable for installations requiring a greater output in order to operate a greater number of speakers or to substitute non-folding models. It includes exactly the same accessories as listed for the High Gain 2A5 System, only the amplifier and the associated three being different.

### WILL OPERATE 10 SPEAKERS

While only two speakers are included in this system it is possible to operate as many as 10 if desired. While having a full gain impedance of a number of these speakers to 4 ohm impedance speakers. For example, Dance Hall and Banquet Halls will find this system particularly well adapted to their needs. The high gain of the amplifier permits a smaller size of a microphone from the same size as is used in the amplifier of a push-pull arrangement. And the output of 10 watts is great, especially in the context of the smaller dance halls.

**XP15745** Lafayette Complete 2B6 "High Gain" Public Address System including 2 speakers, tubes, input stage, microphone and floor stand and table case. **Street price, \$157.00.**

Your Cost

**\$78.50**

## Push-Pull Parallel 2B6 P. A. System by Lafayette



Everything needed for a powerful 22-watt Public Address System capable of covering as many as 1,000 persons is included in this outfit which is ideally suited for use in Auditoriums, Dance Halls, Swimming Pools, Tennis Courts, etc. The nucleus of the system is the Lafayette Push-Pull Parallel 2B6 Amplifier, the outstanding feature of which is the excellent tone quality of its reproduction. This best gain is provided in the amplifier to permit the speaker to be located from an orchestra, or a stage, singly or at distances from the microphone, without the need of additional amplification.

### COMPLETE SYSTEM

Complete system includes the following: one Model 40 "Dial-a-Tone" Microphone with an adjustable Diaphragm Floor Stand and 25 feet of microphone cable, a Deluxe Micro Input Mixer, four 12-inch Special P.A. A.C. Dynamic Speakers with special matching transformers so that they may be placed any distance desired from the amplifier, and the Lafayette Push-Pull Parallel 2B6 Amplifier. **Complete with tubes.** While only four speakers are included at the price stated, the amplifier is capable of operating as many as twelve with ease. Additional speakers as desired may be purchased. For more additional information see the literature in this catalog. For a similar description of the Amplifier refer to page 72, *Volume 17*, No. 10.

**XP1574** Lafayette Push-Pull Parallel 2B6 Public Address System complete with 4 speakers and 25' microphone cable. **\$129.50**  
 List Price \$257.00. Your Cost...

## Push-Pull 2A3 P. A. System by Lafayette



A complete, powerful, 15-watt Public Address System with plenty head for the average installation. Tone quality is exceptionally fine and reproduction is clear and lifelike, as important in all public address installations, yet seldom obtainable, with the unusually large output, at a low price. Only the finest quality components are used in this amplifier, and are thoroughly screened so that the system may be used constantly without the slightest fear of overloading. Complete system includes: 1 Lafayette P.P. 2A3 Amplifier, 1 Lafayette S. Input Mixer, 1 Lafayette Model 40 Microphone with adjustable floor stand and 25 feet of microphone cable, 2 Special 12-inch Matching Transformers (connected in parallel, so that speakers may be placed any distance from the amplifier) and 2 Deluxe Special P.A. A.C. Speakers. While only two speakers are included, it is of ample capacity to feed as many as you wish up to the full capacity of the amplifier. Everything included in this outfit has been chosen with just one idea in mind—to obtain the finest possible system with this particular output voltage. Ship. wt. 12 1/2 lbs.

The various Public Address Systems and Amplifiers listed on this and adjacent pages represent average installations. Should you have any special problem, requiring equipment other than that listed here, our Engineering Department is at your service to design and build suitable equipment and to assist you in its installation.

**XP1570** Complete P.A. System as described here without tubes. **\$155.50**  
 Your Cost... **\$77.75**

40" Microphone Tube, Your Cost... \$1.10

**XP1575** Same System as above but with Matched D.C. Speakers, obtaining full efficiency from Amplifier with maximum Tube Output. **\$145.00**  
 List Price \$145.00. Your Cost... **\$72.50**

## Complete 28 Watt Class "B" P. A. System by Lafayette

- ★ Tremendous Power Output
- ★ Suitable for Gatherings up to 10,000 People
- ★ Clear Reproduction—Perfect Tone Quality
- ★ Complete Outfit—Simple Installation

With the proper accessories, the Lafayette Class "B" Amplifier makes an ideal P.A. system, capable of carrying voice and music to indoor crowds of as many as ten thousand people. The amazing performance of the Lafayette Class "B" Amplifier is made possible by the advanced engineering principles involved in its design and the very high quality of its components. Its output is really tremendous, and must be heard to be appreciated. It is ideal for permanent installations in theaters, churches, dance halls, skating rinks, large rooms, etc. All of the component parts are considerably overbuilt; the amplifier having been designed for continuous operation under severe conditions.

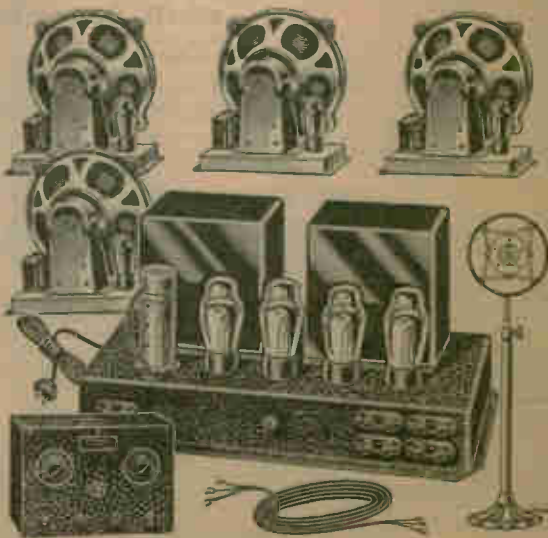
### SPECIAL MATCHING TRANSFORMERS

It is one of the special matching transformers mounted on the speakers, the load speakers may be placed in the most advantageous position, regardless of the length of the connecting lines, and will all produce uniform results. This is very important from the standpoint of good reproduction.

For freedom in power operation you may use a complete system, as illustrated above, or they may select as many of the accessories as they need for a particular installation. All the parts listed are guaranteed to be up to the normal high Lafayette standard.

**XP15720** Complete Public Address System consisting of the following: Class "B" 28-watt Amplifier as described; 1 Lafayette Model 50 Microphone, 1 Diaphragm Floor Stand and 25 feet cable; 4 12-inch Special P.A. A.C. Speakers; 1 Pre-amplifier Control Box. **Complete with tubes.**  
 Ship. wt. 165 lbs.  
**\$277.00. Your Cost**

**\$138.50**



**XP15781** Same as above but with ten 12-inch Special P.A. A.C. Speakers and matching transformers mounted on speakers. **\$416.00**  
 Ship. wt. 310 lbs.  
 List \$416.00. Your Cost... **\$219.00**

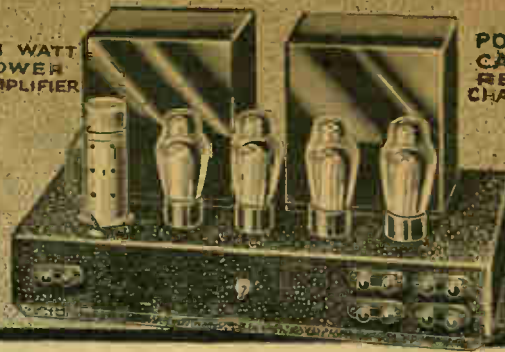
The Lafayette 28-watt Class "B" Amplifier included in this P.A. System has a handling capacity of twenty (20) watts per speaker at full volume. It is fitted with four and with ten speakers but use of more may be arranged with any number up to the full capacity of the amplifier. Write for prices on additional speakers desired.



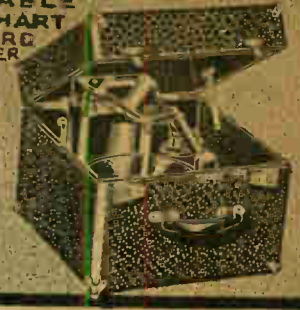
10 TUBE  
ALL WAVE  
RECEIVER



28 WATT  
POWER  
AMPLIFIER



PORTABLE  
CAPEHART  
RECORD  
CHANGER



*A complete De Luxe*  
**PUBLIC ADDRESS and**  
**ENTERTAINMENT SYSTEM by Lafayette**  
*FURNISHES*  
**RADIO, PERSONALLY APPEARING and!**  
**RECORDED ENTERTAINMENT!**

Here, at last, is the inexpensive answer to the entertainment problems of **Hotels, Restaurants, Clubs, etc.** Not only does it act as a De Luxe Public Address System but, in addition, it will furnish Radio—Automatic Phonograph—and personally appearing entertainment. For Hotels, Restaurants, Clubs, etc., it is the one system that meets every requirement. At dinners or other functions it will amplify clearly and distinctly the voices and musical instruments of personally appearing speakers and entertainers. At times when no orchestra is available it will, with no attention, furnish four hours of music or other recorded entertainment by means of the automatic phonograph. And when especially desired programs are broadcast over the air it will pick them up by means of the powerful sensitive 10-tube Lafayette All-Wave Receiver and amplify them so that thousands may hear them at a time.

**ONLY THE FINEST EQUIPMENT INCLUDED**

Only the finest components are used in this system. The heart of the system is the Lafayette 28-watt Amplifier which is fully described in the P. A. section of this catalog. Also included are three Wright De Coster Model 305 Speakers, one Wright De Coster P. A. 26 Field Supply, a Shure Condenser Microphone complete with Power Supply, and Floor Stand, a Lafayette Control Box for operating the System, a Capehart Automatic Record Changer in a portable case and capable of playing 10 standard 78 R.P.M. or 33 1/3 R.P.M. records (either 10" or 12") at a time, and for Radio Entertainment a Lafayette 10-tube All-Wave Receiver that will receive both standard broadcast and all short waves, in fact everything on the air. The receiver has an additional speaker of its own that is used for monitoring purposes. The receiver is fully described in the set section of this catalog.

**EXCELLENT TONE QUALITY—POWER TO SPARE**

The tone quality of the system is especially fine being lifelike and clear at all volume settings. The control box permits adjustment of volume from all three sources and provides a means for rapid changeover from any source (either radio—phonograph—or microphone) to another. The power output of 28 watts is more than ample for practically any installation except the largest stadiums. If necessary it will operate as many as twenty speakers. Only three speakers are listed but as many as desired up to the full capacity of the system may be added.

The operation of the system is extremely simple and when once installed may be operated by even an inexperienced person after a few moments instruction. Complete directions for installing and operating, are, of course, furnished. Shpg. wt. 318 lbs.

XP15948—Complete System as described including **\$349.50**  
tubes. Your Cost .....



MICROPHONE  
AND  
STAND

FIELD SUPPLY

POWER SUPPLY  
FOR MICROPHONE



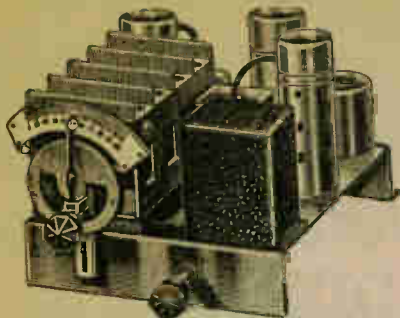
CONTROL BOX



SPEAKERS

# Lafayette PUBLIC ADDRESS Tuners

## Lafayette "T. R. F." P. A. Tuner



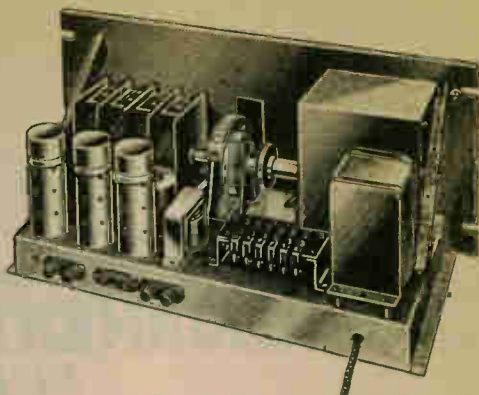
- ★ Excellent Tone Quality
- ★ Highly Selective
- ★ Pentode Tubes
- ★ Four Gang Condenser

Where TONE QUALITY is far more important than extreme selectivity (such as furnished by the Lafayette Super-Het Tuner) we recommend the use of this Lafayette T. R. F. Tuner. This circuit providing more of the side bands, so necessary for overtones and shading, is somewhat better for obtaining the finest tone quality possible for radio reception.

### PENTODE TUBES PRE-SELECTOR CIRCUIT

Four tuned circuits are used, tuned by sections of the four gang condenser. The first is a pre-selector circuit that makes possible really good selectivity without loss of side bands. The next two are tuned radio frequency stages employing two type 58 variable- $\mu$  pentodes followed by a tuned detector stage employing a type 57 pentode. If desired, a type 56 triode detector may be had instead. This type of detector is recommended where transformer coupling is to be employed between the tuner and the amplifier or line. When ordering state which detector is desired. The tuner is thoroughly shielded and filtered to prevent oscillation irrespective of the type of amplifier employed. Filament supply for the tuner is self-contained. "B" supply of from 180 to 250 volts may be obtained from the average amplifier, or a separate supply may be used, either eliminator or if necessary for short periods "B" batteries. The maximum current drain is 25 M.A. with an average drain of 10 M.A. Furnished complete with plug and cord and full operating instructions. Size: 8" wide, 7 $\frac{1}{4}$ " high, 10" deep. Shpg. wt. 12 lbs. **XP13846—Lafayette "T. R. F." Tuner, less tubes. \$17.95**  
List \$35.90. **Your Cost \$1.75**  
Kit of matched tubes—1-57, 2-58's.

## Lafayette "Remote Control" P. A. Tuner



- ★ Compact—Reliable—Remote Control
- ★ Standard Rack Panel
- ★ Self-contained Filament Supply

No longer is it necessary to be at the P. A. Rack to tune the radio tuner from station to station or to control the volume. All tuner operations—tuning—volume adjustment—turning it on or off—can be done at a remote point, quickly, at the touch of a fingertip, with this new Lafayette Remote Control Tuner.

### T. R. F. CIRCUIT

Because tone was considered the primary factor in the development of this tuner the T. R. F. circuit was selected. A pre-selector stage tuned with one section of the four gang condenser is followed by two stages of tuned radio frequency using two type 58 pentodes which in turn are followed by a type 57 detector. If desired, a type 56 triode detector may be had. This type of detector is preferable where transformer coupling is to be used to the amplifier or line. When ordering state which is desired. Each stage is well shielded and filtered to prevent oscillation regardless of the type of amplifier and power supply system used. Tuner has its own filament supply, and requires 180 to 250 volts of "B" supply, which may be obtained from the amplifier. Maximum current drain is 25 M.A., average 10 M.A. Overall dimensions: 19" long, 8 $\frac{1}{2}$ " deep, 8 $\frac{1}{4}$ " high. Will fit standard W. E. rack. Shpg. wt. 20 lbs. **\$32.50**  
**XP15700—Lafayette Remote Controlled Tuner, less tubes. List \$65.00. Your Cost \$1.77**  
Matched Kit of tubes consisting of 1-57, 2-58's.  
**Your Cost \$1.77**  
**XP15701—"B" Eliminator for Tuner, with tube. Shpg. wt. 15 lbs. List \$15.90. Your Cost \$7.95**

## Lafayette "Super-Het" Tuner

- ★ 10 KC. Selectivity
- ★ New Pentagrid Tubes
- ★ Diode Detection
- ★ Automatic Volume Control

A Superheterodyne Public Address Tuner incorporating every modern feature found in superheterodyne receivers today. Highly selective—10 K.C. separation. Sensitive—3 $\frac{1}{2}$  microvolt per meter. Thoroughly shielded. Automatic volume control. Diode detection. Pre-selection with a four gang condenser. Self-contained filament supply. Compact in size—easily mounted.

### NEW TUBES—NEW CURRENT

The circuit incorporating many exclusive Lafayette features is as follows: a pre-selector stage is followed by a tuned R. F. stage using a 58 pentode, then a type 2A7 pentagrid converter tube serves as oscillator and mixer or first detector, which in turn is followed by a 2B7 pentagrid used as intermediate frequency amplifier and diode detector and A. V. C. tube. Two models are made, one for use with low gain amplifiers having a gain of less than 60 db. and for line transmission work, this has an extra audio stage using a 56 tube. The other, for

use with amplifiers having a gain of over 60 db. is without this stage.

### STURDILY CONSTRUCTED

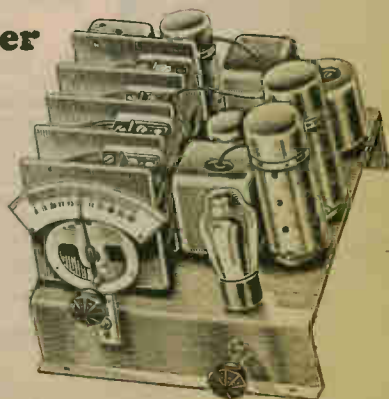
Only the highest quality components used throughout. Compact—7 $\frac{1}{4}$ " high, 10 $\frac{1}{2}$ " deep and 9 $\frac{1}{4}$ " wide. Comes complete with instructions. Shpg. wt. 14 lbs.

**XP13828—Three tube Lafayette Super-Het Tuner for high gain amplifiers, less tubes. List \$45.00. Your Cost \$22.50**

Kit of matched tubes for above  
**Your Cost \$2.10**

**XP13830—Four tube Lafayette Super-Het Tuner for low gain (under 60 db.) amplifiers, less tubes. List \$49.00. Your Cost \$24.50**

Kit of matched tubes for above  
**Your Cost \$2.50**



The Lafayette "B" Eliminator, Cat. No. XP15701 listed under the Remote Control Tuner can be used on any of the Lafayette Public Address Tuners listed on this page. Delivers 250 V. at 50 M.A. in humless form.

# DYNAMIC UNITS & TRUMPETS

## RACON Dynamic Speaker Units Giant Unit



A powerful Dynamic Unit especially designed for use with trumpet type horns. Handles 20 watts continuously or 30 watts peak. Has 15 ohm voice coil and requires 6-8 volts at 1.1 amp for field excitation. Has threaded collar for attaching horn or the triple connector described below. Shpg. wt. 26 lbs.

Trans. transformer. **XW19265 Your Cost Each... \$32.34**

### Racon Master Unit

Similar in appearance to the above unit. Continuous operating capacity 20 watts, peak 30 watts. 15 ohm voice coil; 6.8 volts at 1.1 amp field current. Shpg. wt. 18 lbs. Low impedance transformer.

**XW19266 Your Cost \$25.88**

### Coupling Transformers

**XA400** Coupling Transformer for all units described 4-0 ohms impedance.  
**XA402** As above 4000 ohms impedance.

**Your Cost Each, Rubber Type \$12.94**

## RACON High Frequency [Tweeter] Speaker



Average speakers drop sharply at about 3000 cycles whereas "high frequency" amplifiers are good to 17,000 cycles. By using a high frequency speaker, in addition to the regular speaker, the difficulty is overcome. H. F. Speakers begin to take effect when regular speakers leave off, thus producing a smooth response that is practically flat from 20 to 17,000 cycles.

The RACON High Frequency speaker, when used with the RACON Filter Network, will cover the entire audio band very effectively. See also our complete with horn type horn with 4-0, 1-1, Overall length of speaker 2 1/2". Either C or 110 volt D. C. field available, state which is desired. Voice coil max. 16 ohms. Shpg. wt. 6 lbs. RACON High Frequency Speaker. **\$16.15**

**XW19269 Your Cost \$16.15**

Filter Network to couple high and low frequency speakers to line. State whether C or 110 volt ohm line is desired. **\$16.15**

**XW19270 Your Cost \$16.15**

All RACON Units now available with 110-volt fields if desired. State which.

## RACON Junior

Handles 15 to 20 watts continuously or 30 watts peak. Use low voltage field, 6 to 8 volts at 1.1 amp. field current. Shpg. wt. 11 lbs. Complete, low cost for transformer.



**XW19275 Your Cost \$21.00**

## RACON Baby



Continuous operating capacity 5 to 7 1/2 watts; peak capacity 12 watts. Voice coil 15 ohms. Field current, 6 volts at 1.1 amp. Shpg. wt. 9 lbs. Complete, low coupling transformer.

**XW19168 List \$27.50. Your Cost \$16.17**

## RACON Super Giant



Particularly adapted for theatre and auditorium. 6 to 8-volt field excitation. 1.1 ampere consumption at 6 volts 15-ohm voice coil impedance. Continuous operating capacity 25 watts. Peak load capacity 40 watts.

Shpg. wt. 2 lbs. **XY19754 List \$66.00 Your Cost \$38.80**



## ELECTROPHONE "Crystal" High Frequency Speaker

The Electrophone Crystal Speaker is a highly efficient high frequency speaker designed for use in radio receiver systems—2nd and 3rd conversion stages. It is a dynamic speaker with a regular frequency response. The diaphragm of this speaker consists of four specially treated, permeable metal plates that will vibrate in frequency of from 1500 to 20,000 cycles per second. The speaker is mounted on a transformer which is a part of the speaker. The transformer is a part of the speaker. The length of speaker is 2 1/2". Shpg. wt. 8 lbs.

**XW19273 Electrophone Crystal Speaker. Your Cost \$30.00**

## Lafayette "Humless" Field Supply

Manufactured by Lafayette Radio Corporation. Call for a complete catalogue. This is a 2000 cycle field supply. It is built in a rugged metal case with a built-in transformer. It is available in 110 volt and 220 volt models. Complete in one piece. Shpg. wt. 10 lbs. Price \$2.90. Complete in one piece. Shpg. wt. 10 lbs. Price \$3.95.



**XW19294 Single Field Supply low tone. Your Cost \$2.90**  
**XW19295 Dual Field Supply low tone. Your Cost \$3.95**

## RACON Trumpets



**4 1/2 Ft. Trumpets BELL 24" ROUND STORMPROOF MODEL**  
Built up with rolled aluminum edge and bell length over 40 inches. Two sections. Especially made for outdoor use. Three piece unit. Shpg. wt. 15 lbs. List \$60.50. **Your Cost \$35.58**

**DeLuxe MODEL.** A special model for outdoor use. Has rolled edge and bell length over 40 inches. Can be taken apart or put together in a few moments. Three sections. Inexpensive. Shpg. wt. 15 lbs. List \$44.00. **XY19741 Your Cost \$25.88**

**6 Ft. Trumpets BELL 30" ROUND STORMPROOF MODEL**  
Built up with rolled aluminum edge and bell length over 50 inches. Two sections. Especially made for outdoor use. Three piece unit. Shpg. wt. 18 lbs. List \$71.50. **XY19791 Your Cost \$42.00**

**REGULAR MODEL.** Built up with rolled aluminum edge and bell length over 50 inches. Two sections. Especially made for outdoor use. Three piece unit. Shpg. wt. 18 lbs. List \$51.00. **XY1972 Your Cost \$32.34**

**ALL METAL MODEL.** Built up with rolled aluminum edge and bell length over 50 inches. Two sections. Especially made for outdoor use. Three piece unit. Shpg. wt. 18 lbs. List \$55.00. **XY19715 Your Cost \$32.34**

Made of rolled aluminum and hardened. They are guaranteed to withstand all weather conditions and will last for years. For more use in all types of outdoor work.

**3 1/2 Ft. Trumpets BELL 22" ROUND STORMPROOF MODEL**  
Built up with metal headed edge and bell length over 35 inches. Two sections. Especially made for outdoor use. Three piece unit. Shpg. wt. 12 lbs. List \$27.50. **XY1973 Your Cost \$16.15**

**DeLuxe MODEL.** Built up with metal headed edge and bell length over 35 inches. Two sections. Especially made for outdoor use. Three piece unit. Shpg. wt. 12 lbs. List \$27.50. **Your Cost \$16.15**

**REGULAR MODEL.** Built up with metal headed edge and bell length over 35 inches. Two sections. Especially made for outdoor use. Three piece unit. Shpg. wt. 12 lbs. List \$22.00. **XY19710 Your Cost \$12.94**

## RACON Flared Baffle Projectors



See block for the complete list and detailed description of each projector.

Stock No.	Bell Dia.	Depth, in.	List Price	Your Cost
XY19700	10	10	14.25	17.76
XY19701	12	12	18.00	19.00
XY19702	14	14	24.00	25.87
XY19703	16	16	32.00	25.87
XY19704	18	18	42.00	29.36
XY19705	20	20	54.00	64.68
Type B (with acoustically damped box)				
Stock No.	Bell Dia.	Depth, in.	List Price	Your Cost
XY19706	10	10	12.50	125.00
XY19707	12	12	16.00	31.45
XY19708	14	14	20.00	31.45
XY19709	16	16	24.00	31.79
XY19710	18	18	30.00	78.25

## RACON Multiple Trumpet Connectors



Connects several trumpets to one unit. For use where great coverage must be realized from a single unit. Carefully finished and air-tight. Made of brass with chrome-plated interior for brass and steel. Dimensions: 10" for 2 and 10 1/2" for 3. Shpg. wt. 1 lb. **XY19711 Dual List \$24.81. Your Cost \$8.73**  
**XY19712 Triple List \$19.20. Your Cost \$11.32**

# Lafayette P.A. SPEAKERS and ACCESSORIES

## 11" A. C. Dynamic



An excellent speaker for use in home and office systems. This speaker was designed to give the best results in the 2 1/2" to 10" range. It is especially adapted for use in the 110 volt A.C. system. The speaker is built in a sturdy, attractive cabinet. The speaker is built in a sturdy, attractive cabinet. The speaker is built in a sturdy, attractive cabinet.

**XW19149** Price \$11.45  
**Your Cost \$7.45**

## Modified 14 inch Photophone Type



A large 14-inch speaker at an exceptionally low price. It has all of the characteristics of the "Photophone" speaker such as a 14" cone, 14" diameter with a 6 1/2" horn field, but is far more efficient than any other speaker. It will carry 10 watts with a peak of 15 watts. The field is housed in a port 3 1/2" long by 3 1/2" diameter. The speaker is built in a sturdy, attractive cabinet.

**XW19176** Price \$11.45  
**Your Cost \$8.95**

## Lafayette P. A. Speakers

### New 14-Inch "Photophone Type" Dynamics



All of the desirable qualities of the popular Photophone type of speaker plus many new features that greatly improve its performance and construction have been combined in this new Lafayette Dynamic speaker. Designed for use where great power with exceptionally fine tone quality is desired. An extremely large, heavy field, wound with pure copper wire, of pure copper wire is housed in a port 3 1/2" in diameter and has a 1 1/2" voice coil with an impedance of 8 to 12 ohms. D.C. field resistance is 1000 ohms. This speaker will easily carry 15 watts continuously and 20 watts peak. Workmanship is of the finest and all metal parts are attractively finished in bright chrome-plated brass. Size: 14" dia. by 4 1/2" high. **XW19153** - Lafayette "P.A." Photophone Type Speaker. **XW19155** - Same but with 2000 ohm field. **XW19154** - Same but with 6 1/2" horn field.

All of the desirable qualities of the popular Photophone type of speaker plus many new features that greatly improve its performance and construction have been combined in this new Lafayette Dynamic speaker. Designed for use where great power with exceptionally fine tone quality is desired. An extremely large, heavy field, wound with pure copper wire, of pure copper wire is housed in a port 3 1/2" in diameter and has a 1 1/2" voice coil with an impedance of 8 to 12 ohms. D.C. field resistance is 1000 ohms. This speaker will easily carry 15 watts continuously and 20 watts peak. Workmanship is of the finest and all metal parts are attractively finished in bright chrome-plated brass. Size: 14" dia. by 4 1/2" high. **XW19153** - Lafayette "P.A." Photophone Type Speaker. **XW19155** - Same but with 2000 ohm field. **XW19154** - Same but with 6 1/2" horn field.

**\$11.45**

### 14-Inch A. C. Model

The A.C. model is exactly the same in every detail with the exception that it is equipped with a mesh mesh which is mounted in a transformer socket, etc. for field output. Requires a 220 volt ac transformer. For operation from 110 volts use P.A. A.C. **XW19137** - A.C. Model low tone. **Ship. wt. 16 lbs. \$15.95**

**Your Cost \$15.95**

## 6 V. Cone Unit and Trumpet



The new Lafayette P.A. cone speaker is now available with either of two types of brackets - the larger square model that is 4 1/2" long and has a 2 1/2" diameter and a new round trumpet that is 2 1/2" long and has a 2 1/2" diameter. Both are made of non-ferrous material.

Where space is a factor or where a wide angle of sound is desired, the round trumpet is preferable, but where distance is the factor the square type is better.

The new unit is capable of handling 15 watts and has an unusually powerful field. Field current consumption is 1 to 1 1/2 amperes at 6 volts. The cone is covered with paper 3 1/2" in diameter and has a voice coil 1 1/2" in diameter with an impedance of 8 to 12 ohms.

Careful design has made this a most efficient speaker providing an exceptionally large field output.

**XW19830** - Lafayette Cone Unit. **Ship. wt. 1 1/2 lbs. \$10.45**  
**Your Cost \$10.45**  
**XW19831** - Lafayette Square Trumpet. **Your Cost \$14.50**  
**XY19835** - Lafayette Round and Trumpet. **Your Cost \$7.94**  
**XW19832** - Complete Square Trumpet speaker. **Your Cost \$24.50**  
**XY19836** - Complete Round Trumpet speaker. **Your Cost \$17.95**

## Lafayette "P. A. Special"

In Both A.C. and D.C. Models



A new Lafayette speaker, particularly designed for public address systems. Our wide experience in the design of public address equipment was called upon in the design of this new speaker and it incorporates every feature that would add to its suitability for this purpose. It has a 12" cone made of a specially prepared acoustic paper. A special fine meshing transformer having impedances of 250 and 500 ohms is mounted on the speaker. Field resistance is 1000 ohms. Two types available - A.C. and D.C. A.C. type uses a 120 volt transformer and comes complete with this. **Ship. wt. 14 lbs.; D.C. 10 lbs.**

**XW19374** - D.C. "P.A. Special." **Your Cost \$7.95**  
**XY19375** - A.C. "P.A. Special." **Your Cost \$12.50**

## "Demountable" Flared Baffle Horn



While the fact that a baffle of the flared type greatly increases the efficiency of most speakers is generally known, it is not generally known that they can be used because their bulk makes portability difficult. This problem has now been successfully solved with this new "demountable" flared baffle horn.

It can be removed or disassembled in a few minutes' time with the aid of a socket wrench or a pair of pliers, and when folded can be stored within a space 10 1/2" x 2 1/2" x 10 1/2" deep. Sides are fastened together by means of special bolts on the sides passing through holes in the upper and lower flanges. A special mounting bracket on the edge of the horn makes it possible to attach it to a wall, ceiling, etc.

**XY19837** - 10" speaker  
**XY19838** - 12" speaker  
**Your Cost, Either Type \$3.95**

## Celotex Speaker Baffles



To obtain the full efficiency from a dynamic speaker it must be mounted on a baffle. Preferably this baffle should be of some non-resonant material. Such a material is Celotex, of which these baffles are made. Your measurements available. Any size hole can be cut from 6" to 12" at no additional cost. When ordering specify size hole desired. **Ship. wt. 255 lbs. per square foot.**

1 1/2" Thick Stock No.	Your Cost	Size	1 1/2" Thick Stock No.	Your Cost
XY19792	\$6.25	12x12"	XY19794	\$6.25
XY19794	75	18x12"	XY19795	75
XY19795	1.35	24x12"	XY19796	.55
XY19796	2.40	36x12"	XY19797	1.55
XY19797	4.40	48x12"	XY19798	2.45
XY19798	8.35	60x12"	XY19799	3.75
XY19799	6.75	60x12"	XY19793	4.80

## Walnut Speaker Cabinet



This cabinet permits the placing of a speaker in the most conspicuous surroundings without detracting one iota from the appearance of the room. Walnut veneer, attractive design, and well proportioned by a radio authority. Have been backed over a particularly attractive rubber, non-resonant in design. Many positive advantages are obtained by being mounted on a stand, etc., where the speaker must be hidden. This cabinet will fit all speakers used in the most exact Walnut Case Cabinet 10 1/2" x 12 1/2" x 12 1/2" Photophone type and 14" x 12 1/2" x 12 1/2" models, which project 1 1/2" from the rear. Outside dimensions 10 1/2" x 12 1/2" x 12 1/2" deep. **Ship. wt. 12 lbs.**

**XY19840** - Your Cost **\$9.50**

# WRIGHT DeCOSTER (AND) Jensen SPEAKERS

## WRIGHT De COSTER



### Models

#### 305 & 315

Due to the excellent design of the magnetic structure, the Model 305 is extremely efficient. This means that an amplifier to fulfill a certain requirement may be operated below its maximum rating, resulting in much better tone quality. The Model 305 is rated conservatively at 15 watts. It is sensitive enough, however, to operate on as little as 1 watt.

### PATENTED SOLID SPIDER

The solid center spider is made of material which is very durable. It maintains the voice coil in a perfectly centered position, but still allows the cone a great freedom of movement. Another feature of the solid center spider when the speaker is installed outdoors is the protection it gives to the air gap against dirt, etc. Furthermore the entire diaphragm assembly is moisture proof.

Equipped with input transformer having impedances of: 10 (directly to voice coil), 500, 1000, 1500 and 4000 ohms. These various impedances allow the user a great deal of latitude when matching several speakers to an amplifier, eliminating the need for special matching transformers. Standard field resistance is 1800 ohms for operation on 220 to 275 volts D. C. at 125 to 140 Ma. Special field resistances can be supplied to order. Max. field dissipation 40 watts, min. 18 watts. Fields can be operated on A. C. by using the field supplies described on this page. Shpg. wt. 42 lbs.

XW19354—Model 305. Dimensions 12 1/2" wide, 9" deep, 12 1/4" high. **\$28.52**  
List \$48.50  
Your Cost.....

### MODEL 315

Similar to the above except that it is rated at 10 watts and has a 3500 ohm field requiring a maximum dissipation of 25 watts, minimum 12 watts. 12 1/2" wide, 8 1/6" deep, 12 1/4" high. Shpg. wt. 30 lbs.

XW19353—Model 315. **\$22.05**  
Your Cost.....

## New WRIGHT De-COSTER

### Model 425

An entirely new model that should prove to be extremely popular. An excellent value. Same high quality construction as the larger models. Handling capacity—7 watts. Field resistance 2500 ohms. Other resistances to special order. Dimensions: 12 1/2" wide, 7 1/2" deep, 12 3/4" high. Shpg. wt. 18 lbs.

XW19146—List \$16.50  
Your Cost..... **\$9.70**

STATE TYPE OF OUTPUT TRANSFORMER DESIRED

## Field Supplies

PA 25 supplies one 1800 ohm or two 3500 ohm fields. Output 250 V. at 140 amps. Uses one 5Z3 or 83 tube. 7" long, 6 1/2" high, 3 1/2" wide. Shpg. wt. 10 lbs. Tube included.

W19282—List \$23.00  
Your Cost **\$13.52**

PA 26 supplies one to three 1800 ohm or one to six 3500 ohm fields in parallel. Output 250 V. at 5 amperes. Two 5Z3 or 83 tubes used. Dimensions 8x6 1/2x6". Shpg. wt. 18 lbs.  
XW19283—List \$32.75  
Your Cost..... **\$19.45**  
With Tubes.



### Flare Horn

Wide flare allows sound to cover a large area. Special non-resonant material. Reinforced with metal corners. Guaranteed for outdoor use. Length



48". Bell 30x21 1/2". Excellent for theater use, one horn being ample for a four hundred seat house. Shpg. wt. 60 lbs. **\$25.50**  
XY19334—Your Cost.....

## WRIGHT de COSTER

### "Theatre"

#### Models 309 & 319



The cone in the 309 reproducer is especially designed to operate perfectly with sound on film. While it emphasizes the voice frequencies, it covers an extremely full range so that the rest of the register is in no way injured. This means the voices are clearly and distinctly enunciated, yet the music will still retain all its original character.

### SOLID LEATHER SPIDER

The patented solid leather spider maintains the voice coil in a perfectly centered position but still allows the cone a great freedom of movement. The back of the cone housing is dust-proofed and the center leather spider is solid with no perforations. Neither will climatic conditions affect the speaker since both cone and spider are moisture proof.

Equipped with input transformer having impedances of: 10 (directly to voice coil) 500, 1000, 1500 and 4000 ohms. This permits matching several speakers to an amplifier without using additional matching transformers. Conservative maximum handling capacity 15 watts. Field resistance 3000 ohms for operation on 220 to 275 V. D. C. at 75 to 90 Ma. Other resistances may be had on special order. Max. field dissipation 25 watts; min. 16 watts. Field can be operated on A. C. by using the field supply described on this page. Shpg. wt. 42 lbs.

XW19372—Model 309. Dimensions 12 1/2" wide, 9" deep, 12 1/4" high. **\$28.52**  
List \$48.50  
Your Cost.....

### MODEL 319

Similar to 309, the only essential difference being that the power handling capacity is somewhat less... 10 watts. Field resistance 3500 ohms. Max. dissipation 20 watts, min. 12 watts. Shpg. wt. 30 lbs.

XW19373—Model 319. Dimensions: 12 1/2" wide, 8 1/6" deep, 12 1/4" high. **\$22.05**  
List \$37.50  
Your Cost.....

## JENSEN Ortho-Dynamic Reproducers



The new Jensen Ortho-Dynamic models are a distinct improvement in loud speaker design and are exceeded only in all around ability by the Auditorium models. Careful design and precision manufacture combine to produce a speaker that is fully 250% more efficient than the ordinary speaker in the relation of output in acoustical measurement to electrical output. Field coils dissipate 15 watts normally. Maximum recommended is 20 watts. Made in both D. C. and A. C. types. 110 V. D. C. field resistance is 800 ohms. A. C. types are for operation from 110 V. 50 to 60 cycle current.

Voice coil impedance is 5.4 ohms. These models will handle 12 watts continuously with a peak input of 18 watts. Frequency response is unusually uniform from 30 to 5500 cycles. Finished in black and aluminum. A. C. models use 240 rectifier tube and come complete with tube. Shpg. wt. D. C. models 25 lbs.—A. C. 35 lbs.

XW19256—110 V. D. C. **\$25.03**  
List \$36.50  
Your Cost.....

XW19260—110 V. A. C. **\$36.70**  
List \$53.50  
Your Cost.....

Ortho-Dynamic Models are available with either of two types of input transformers. Regular is center tapped and has an impedance 4000 to 6000 ohms suitable for most tubes. Line is for 500 ohm lines. When ordering state type desired.

## JENSEN Auditorium Models

In sound output these new Auditorium Speakers are 400% more efficient than the conventional type. They are fully capable of handling continuously 20 watts of energy, but the sound output from 20 watts electrical input is at least three times greater than that from other cone speakers of equivalent cone area. Construction and performance are beyond comparison. Dimensions: Overall width 13 1/2", height 13 3/8", depth 8 1/2". Baffle opening 12". Shpg. wt. D. C. 48 lbs.—A. C. 56 lbs.



FOR 110 VOLTS A. C.

XW19246—List \$76.50  
Your Cost..... **\$52.47**  
(A. C. Models use the new '82 mercury vapor rectifier, and are priced with tube.)

FOR 110 VOLTS D. C.

XW19248—List \$51.50  
Your Cost..... **\$35.33**

Auditorium Models are available with either of two types of input transformers. Regular is center tapped and has an impedance of 4000 to 6000 ohms suitable for most tubes. Line is for 500 ohm lines. When ordering state type desired. Models listed above are made in three types:—"M" for general use;—"V" for voice reproduction; and—"L" is a new type especially intended for use with tweeter or high frequency speakers. State type desired.

## JENSEN Concert Models



12" diameter cone. 18 watt max. field. D. C. models may be had any field resistance desired. A. C. models are for 60 cycle 110 V. Voice coil—8 ohms. Shpg. wt. 35 lbs.

XW19370—A. C. Concert. **\$28.47**  
List \$41.50—Your Cost.....

XW19371—D. C. Concert **\$17.15**  
List \$25.00. Your Cost.....

Above prices are less output transformer— if transformer is desired add \$1.03 to above prices and specify type.

To Speed Handling of YOUR Order -- Use Our Order Blank

# ROLA DYNAMIC SPEAKERS

## Type F4-5' Dynamic

Type F4 speaker is a special 4" model designed for use in rugged reception. Constructed of high grade materials. Frequency response excellent. Permanent magnet assembly permanently in the magnetic field. Enclosed with output transformer as listed below. Ship. wt. 2 lbs.



**XW19115** For Single 47, 50, 71A.  
**XW19116** For Single 48, 49, 51A.  
**XW19117** For Single 46, 47, 50A.  
**Your Cost, Any Type** **\$2.95**

## Type F5-6" Dynamic

Similar in every respect to the above, but with larger output due to the larger size. Ship. wt. 2 lbs.

**XW19118** For Single 47, 50, 71A.  
**XW19113** For P. P. 47, 50, 71A.  
**XW19114** For Single 48, 49, 51A.  
**XW19115** For P. P. 47, 50, 71A.  
**Your Cost, Any Type** **\$3.45**

## Permanent Magnetic Speaker Type PM-8

A permanent magnet dynamic speaker which for its size offers outstanding quality. The output of the finest permanent magnet speaker. Employs many new features, including your choice of either a standard or a special transformer available on order. Ship. wt. 1 lb.



**XW19346** P. P. 47, 50, 71A.  
**XW19347** P. P. 47, 50, 71A.  
**Your Cost, Any Type** **\$6.90**

## Type K7-9" Dynamic

Unsurpassed for use in the large room receiver. Will handle 6 watts of power. Has a motor and field and is furnished with an output transformer as listed below. Ship. wt. 2 lbs.



**XW19338** For Single 47, 50, 71A.  
**XW19339** For P. P. 47, 50, 71A.  
**XW19340** Single 46, 47, 50A.  
**XW19341** For P. P. 46, 47, 50A.  
**Your Cost, Any Type** **\$4.95**

## Type K9-11" Dynamic

Similar to the above in appearance. Will handle 10 watts. Ship. wt. 1 1/2 lbs.

**XW19342** For Single 47, 50, 71A.  
**XW19343** For P. P. 47, 50, 71A.  
**XW19344** For Single 46, 47, 50A.  
**XW19345** For P. P. 46, 47, 50A.  
**Your Cost, Any Type** **\$6.25**

Rola speakers are available with special transformers and field coils. Prices on request.

## BBL Magnetic Speaker

The finest magnetic speaker available. Will handle large output without burning. Reproduces the entire tonal range with the highest fidelity. Diameter 2 1/2". Impedance 1600 ohms at 100 cycles. D. C. resistance 1000 ohms. Ship. wt. 1 lb.



**XV19133** **Your Cost** **\$2.45**  
 The above speaker is available in the beautiful wall-hung cabinet shown at the left. Cabinet has painted front with dull gold-leaf cloth. Size 11 1/2" x 7". Ship. wt. 4 lbs.  
**XW19177** **Your Cost, Special** **\$4.25**



## Balanced Armature Magnetic Speaker Chassis

A permanent magnet speaker having unusually powerful magnets and a balanced armature that provides double the output of a speaker of very similar size and eliminates the need for any special amount of amplification. Core is of specially processed sheet steel. Will handle moderate output without rattling or distorting. Powder steel frame. The speaker is especially designed for the audio frequency range; both low and high notes are reproduced with the same clarity. Ship. wt. 1 lb.



**XW19119** **Your Cost** **\$1.95**

## Special 6" Dynamic Speaker



A real bargain to speakers. This midget dynamic is exceptionally well constructed and covers a fine frequency response. Tone quality is full and natural, with both high and low faithfully reproduced. Has a standard 1000 ohm field coil. Impedance reduced across paper cone with scientific design. All metal parts finished in bright cadmium plate. Ship. wt. 4 lbs.

**XW19131** Low Output Transformer **95¢**  
**Your Cost, Special**  
**XW19124** With Output Transformer for Single 47 or 48 **Your Cost, Special** **\$1.39**

## Balanced Armature Magnetic Speakers Midget Models



Similar to the above in all respects except size. These speakers are excellent for use in midget and A. C. D. C. receivers. They are also fine for extension speakers on any receiver that do not require field excitation being of the permanent magnet type. Ship. wt. 2 lbs.

**XW19121** 3" Cone **Your Cost** **\$1.20**  
**XW19152** 4" Cone **Your Cost** **\$1.25** **XW19199** 6" Cone **Your Cost** **\$1.45**

# OXFORD Speakers



## 8 1/2" Dynamic Speakers A. C. - D. C.

These speakers will handle a continuous current of 6 watts. Finished in bright cadmium plate. A. C. model has built in field excitation using a type 60 tube. D. C. model has a standard 1000 ohm field coil. Transformers available for any output range as per note at bottom of page. Specify type desired. Ship. wt. 1 1/2 lbs.

**XW19291** A. C. Model, Low Tone **Your Cost** **\$5.75**  
**XW19292** D. C. Model **Your Cost** **\$2.75**

## A. C. - D. C. Compact Model

Especially designed for use in University students. Will handle large output without distorting. Has standard 1000 ohm field coil and is furnished with transformer for single 35 or 45 tube. Size 4 1/2" x 2 1/2". Ship. wt. 3 lbs.



**XW19281** **Your Cost** **\$1.75**

## 11" Class 'B' Dynamic Speaker

Because of its ability to handle large amounts of dissipated output, this speaker is ideally adapted for use with public address or conventional radio systems. Workmanship and materials used in the construction are of the finest. Large field is wound by a standard procedure. Output transformer furnished in match various types of tubes as listed at bottom of this page. Size 11" x 11" x 4 1/2". Ship. wt. 4 lbs.



**XW19289** **Your Cost** **\$4.75**

## 11" Junior Model

Has become very popular for use in radio receivers, small and medium sized amplifiers, etc. Has excellent frequency response and will handle large output without distortion. Field excitation 1000 ohm. Can be furnished with transformer to match any tube as per note at bottom of page. Specify type desired. The speaker is an excellent value. Construction rigid and all metal parts are heavily cadmium plated. Ship. wt. 4 lbs.



**XW19290** **Your Cost** **\$3.49**

## Special 6" Midget Model

For Midget and Auto receivers. Output 2000 ohm field. Furnished with output transformer as in "A" type. Suitable for use in any receiver. Heavy duty for long use. Finished in cadmium plate. Ship. wt. 1 lb.



**XW19166** 2000 ohm **Your Cost** **\$1.89**  
**XW19122** 1000 ohm **Your Cost** **\$1.89**

Oxford speakers listed on this page are furnished for: Single 35, 43; Single and Push-Pull 71A, 45, 47, 59, 59 Class B, 89 Class A, 75, 83, 24L, 2A5, 2B6, Parallel 38, 47, 45. Specify type desired when ordering.



# Lafayette MICROPHONES

## Model "Fifty"



A new and improved model of the excellent and popular Lafayette microphone. Woodstock type has stainless steel magnet cage with 100% insulation. Frequency response is from 100 to 10,000 cycles. Built-in 250 ohm resistor. The model 50 microphone has proven their worth in many types of work under various conditions and this new model is bound to be even more popular due to its sturdy construction in its structure. Finished in highly polished nickel. 2 1/2" in diameter, 1 1/2" in height. Shpg. wt. 2 1/2 lbs.

**XM13421** Your Cost **\$50.00** **\$19.95**

## Model "Twenty-Five"



A very efficient woodstock type microphone. Manufactured with the highest quality materials and is an excellent performer in all situations. Frequency response is from 100 to 10,000 cycles. Built-in 250 ohm resistor. Shpg. wt. 2 1/2 lbs. Price \$25.00.

**XM13420** Your Cost **\$25.00** **\$9.95**

## Model "Twelve"



An exceptionally fine microphone at this low price. An excellent table-top or portable microphone. Woodstock type with stainless steel magnet cage and speaker. Highest grade carbon granules for voice. Built-in 250 ohm resistor. Finished in highly polished nickel. Shpg. wt. 1 1/2 lbs. Price \$11.50.

**XM13392** Your Cost **\$11.50** **\$4.85**

## Lafayette Desk Stands



A very neat appearing stand of solid metal with metal cast ring and weighted base. Ring is 7" in diameter, base is 7" in diameter. Overall height 12". Neither of these types are adjustable. Shpg. wt. 1 1/2 lbs. **XM13427** Your Cost **\$3.50**



**XM13495** Your Cost **\$1.65**

**XM13381** similar to above but with reversible ramp for convenient mounting. Chrome finish. Shpg. wt. 1 1/2 lbs. **\$2.40**

## Thutest Carbon Microphone



An outstanding big name in a two-button carbon microphone. The largest microphone made of the finest materials you have ever heard of. Some of the best in the world. It is 1 1/2" in diameter and 2 1/2" in height. Frequency response is exceptionally good. Two buttons standard. Finished in highly polished chrome plate. You must see and hear this microphone in order to appreciate its real value. Shpg. wt. 4 lbs. **XM13384** Your Cost **\$4.40**

## LAFAYETTE Input Stages



### Double Button

For two button microphones and consists of potentiometer volume control, transformer and a battery reversible connected in wooden cabinet with 250 ohm resistor. For connecting any two-button microphone to filament and grid of tube in amplifier to amplify its photo-graphic. The volume control is across the secondary of the transformer. Box finished in black lacquer. Finished with a nickel-plated metal mounting plate. Shpg. wt. 1 1/2 lbs. **XM13487** Your Cost **\$12.50** **\$5.75**

### Single Button

Similar to above but with one button. Shpg. wt. 1 1/2 lbs. **XM13488** Your Cost **\$4.00** **\$3.75**

### Tone Control



A vital control in every P.A. installation used with any microphone. Extremely high pitched notes may be toned down and deep gruff voices modulated to a higher frequency. Adjustable in case of fixed back. Shpg. wt. 2 lbs. **XM13489** Your Cost **\$6.50** **\$2.75**

## LAFAYETTE Desk Stand



A Desk Stand De Luxe. This stand has a graceful and slightly curving top that fits the average desk stand. Finished in satin silver and black. It is 9" high with a 6" ring. A low of 10" in diameter. Shpg. wt. 1 1/2 lbs. **XM13430** Your Cost **\$4.45**

## NEW! Lafayette Floor Stands



**Stand No. 1** is entirely different than any you have ever seen. A new automatic extension lock, down away with the bottom of legs and prevents the slipping and consequent jarring of the microphone. New "push-way" locks and level, edge on the chrome-plated ring. New double locked base plate. Finish on base and top of chrome-plated. Extends from 52" to 16".

**No. 1**

**Stand No. 2** is a large, 20" dia., all chrome-plated, professional type. Has standard set screw adjustment. Extends from 45" to 12".



**No. 2**



**Stand No. 3** represents phenomenal value at the price offered. Impassive in design and most in appearance. Metal alloy finish. Extends from 45" to 12". **XM13530**—**Stand No. 1**. Shpg. wt. 25 lbs. **Your Cost \$11.95**  
**XM13431**—**Stand No. 2**. Shpg. wt. 30 lbs. **Your Cost \$9.45**  
**XM13428**—**Stand No. 3**. Shpg. wt. 17 lbs. **Your Cost \$5.75**



## Lafayette

**Pre-Amplifier**  
• Average Gain 20 db.  
• AC or Battery Operation

The Lafayette Pre-Amplifier provides the additional amplification required. 4000 microvolts input. Gain of 20 db. has an average gain of 20 db. can be operated either from AC or from a 6-volt battery. Voice can be obtained from the amplifier or if necessary from a separate 25-ohm resistor. Voice can be ordered. A gain control knob regulating the degree of amplification. The control is of special design and is easily operated. A 250 ohm resistor is also provided for a changeover switch for rapid change from microphone to phono or from microphone to which are provided on the rear of the pre-amplifier. A battery type battery is also provided. Shpg. wt. 10 lbs.

**XP15152** Your Cost **\$12.50**



**Phono-Radio-Mike Control Box**  
• Self contained Mike Current Supply

A most compact inexpensive unit for controlling the input to an amplifier. This either a phono-radio-mike or a radio-microphone. The unit is self-contained and has its own individual volume control. Radio input is high impedance up to 1000 ohms. Phono input is high impedance up to 1000 ohms. Microphone input is high impedance up to 1000 ohms. The unit is finished in nickel. Shpg. wt. 1 1/2 lbs. **XM15112** Your Cost **\$9.75**



# UNIVERSAL



# MICROPHONES

## UNIVERSAL Model "BB"



The most popular double-button public address Microphone in America. Nearly twice as heavy as any other microphone in its class. Built to hairline precision. An idea of its ruggedness can be obtained by the fact that model "BB" is 3" in diameter and 2" thick. Built especially for voice pick-up, public address work and for amateur broadcasters, etc. Will give excellent results when used for recording purposes. Beautifully finished in highly polished chrome plate. 24K pure gold spot centers. Frequency response 50 to 5000 cycles. 200 ohms per button. Shpg. wt. 3 lbs.

**XM13405—List Price \$25.00**  
**Your Cost Net**

**\$14.50**

## UNIVERSAL Model "X"

A very fine Microphone at a very reasonable price. Available in either single-button or two-button types. Resistance 200 ohms per button. May be mounted in any position. Scientifically damped, laboratory tested. Frequency response 100 to over 4000 cycles. Suitable for public address systems, amateur stations, etc. Beautifully finished in polished chrome plate. Shpg. wt. 3 lbs.

**XM13412—Single-button Model X. List Price \$7.50**

**Your Cost**

**XM13413—Double-button Mode X. List Price \$10.00**

**Your Cost**



**\$4.41**

**\$5.88**

## UNIVERSAL Model "LL"



Extra rugged two-button broadcast Microphone. Of high carbon steel ground to within .001 of an inch accuracy. Diaphragm is of alloy of the proper hardness and stretch to secure best results. Pure gold contact points on each side. Materials used and precision manufacture make this model stand out as the superlative microphone, reproducing a range from 30 to 7000 cycles. 3 1/2" diameter, 1 1/2" thick. Shpg. wt. 3 1/2 lbs.

**XM13403—List Price \$60.00**  
**Your Cost Each**

**\$35.28**

## UNIVERSAL Model "E" Condenser Microphone

An attractive and highly professional appearing unit for use where absolute absence of hiss or other background noises is essential. Contains a two stage amplifier in a beautifully polished chrome plated cylindrical case. Tubes used in the amplifier are non-microphonic and draw only 1/4 amp. at 6 volts and 4 mils. at 180 volts. The head has automatic barometric adjustment and is completely protected. 25 ft. of shielded rubber covered cable included. Shpg. wt. 17 lbs.



**XM13371—**

**List \$60.00**

**Your**

**Cost**

**\$35.28**

**Desk Stand with clamp for tubular section.**

**Shpg. wt. 25 lbs.**

**XM13372—Your Cost**

**Floor Stand chrome plated. Shpg. wt. 30 lbs.**

**XM13373—List \$16.00**

**Your Cost**

**\$3.53**

**\$9.41**

## UNIVERSAL Model "KK"

A substantial two-button Microphone with a very low hiss. It is carefully constructed of the finest materials with a 24K pure gold spot center alloy diaphragm held under tension. Diaphragm thickness is only .002". Frequency range is from 40 to well over 6000 cycles. Buttons are standard 200 ohms each. Entire microphone is finished in 24K polished gold. It is 2 1/4" in diameter and 1 1/4" thick. Each unit is carefully tested before shipment. Shpg. wt. 2 1/2 lbs.

**XM13404—List Price \$40.00**  
**Your Cost Each**

**\$23.52**

## UNIVERSAL Hearing Aid



Two stage amplifier using 230 tubes, 11 in. by 5 1/2 in. by 7 1/4 in., weight without batteries 5 1/2 lbs., with batteries 16 1/2 lbs. Up to 10 single earphones can be connected at one time. For churches, schools, etc. Utmost in quality and volume. Large size batteries permit consistent long time use, minimum of battery upkeep expense. Comes complete with special Universal microphone and featherweight headphones quoted on request. Shpg. wt. 8 lbs.

**XM13512—**  
**List \$48.00**  
**Your Cost**

**\$28.22**

## Three Channel Mixer

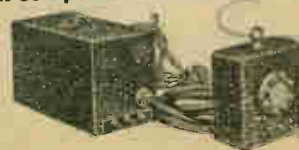
A compact, portable perfectly engineered mixer to handle three two-button or single-button Microphones or Condenser Microphones, low impedance pickups, or standard telephone (remote) lines or any combination of the above. The fading or blending is accomplished by the use of three mixing transformers (Univ. No. 1310) and three constant impedance T pads. Adjustment of one control does not interfere with volume or tone quality of other channels. Feeds into 400-600 ohm line. Size 4 1/2" x 12". Shipping weight 9 lbs.

**XM13449—List Price \$36.00**  
**Your Cost Each**

**\$21.17**



## UNIVERSAL Model "G" A. C. Operated Condenser Mike



A complete Condenser Microphone operating entirely from A. C. Requires no batteries. Simply attach to any 110 V. 50-60 cycle A. C. outlet and it is ready to use. Output is - 40 db.; greater than that of a carbon microphone. Absolutely no hum or ripple, guaranteed as quiet as batteries. Frequency response from 70 to 7,000 cycles. All features such as barometric adjustment, temperature compensator, shielded diaphragm, etc. Brown crackle finish, 25 ft. rubber covered shielded cable furnished. Tubes not included. Shpg. wt. 20 lbs.

**XM13516—List \$84.00**

**Your Cost**

**\$49.39**

## UNIVERSAL Handi-Mike

An excellent microphone for use with Transceivers and portable P. A. Systems. Scientifically damped. Gold contact faces. For voice will give clear cut reproduction. On and Off switch in handle. Standard impedance. 6" long, 2 1/2" diameter head. Shpg. wt. 2 lbs.

**XM13409—Single Button**

**Your Cost**

**XM13410—Double Button.**

**Your Cost**

**\$5.88**

**\$8.82**

## Combination Stand

Three piece telescoping, fully polished nickel plated combination Banquet and Floor Stand. Folds into small space. Light in weight. Eight mike springs included. Height variable from 30 to 66". Ring diameter 6 1/2". Base diameter 7 1/2". Shpg. wt. 8 lbs.

**XM13525—List \$10.00**

**Your Cost**

**\$5.88**

## Super-Sensitive Midget Model "Y"

A very sensitive model, will pick up sounds and conversations even when placed in a hidden position. Particularly recommended for use where a highly sensitive and compact microphone is needed. Front face of the microphone is the diaphragm proper so the unit should be used in a protected location and great care used in handling. Shpg. wt. 1 lb.

**XM13444—List Price \$2.00**  
**Your Cost**

**\$1.18**

## Model "W" Watch "Mike"

Smallest protected single-button microphone manufactured. Full protection against accidental contact with the diaphragm makes it particularly suited for use as a lapel microphone or wherever a compact sensitive unit is needed. Equipped with a pure gold spot diaphragm. Carbon button is of the standard 200 ohm resistance. Size 1 1/2" in diameter, 1/2" in depth. Polished case. Shpg. wt. 3 lbs.

**XM13443—List Price \$3.00**  
**Your Cost**

**\$1.76**

## UNIVERSAL Model "QRXF"

QRQ Microphone Mounted on Junior Input Stage. An ideal combination for amateur usage. Simple and very easy to connect. Requires one flashlight mono-cell for operation. The transformer improves both volume and quality over any direct application of microphone to detector tube. Has potentiometer volume control which also operates battery switch. When used for home entertainment, the program and speech may be returned and faded in and out by the volume control. Amplifier box finished in russet leatherette. Shpg. wt. 8 lbs.

**XM13408—List Price \$7.50**  
**Your Cost Each**

**\$4.41**



# MICROPHONES AND MICROPHONE ACCESSORIES...

## PIEZO-ASTATIC Crystal Mike



Capacitance type of the most sensitive and most reliable microphone available. It has a wide frequency response, high gain, and is practically immune to hum and noise. It is particularly suitable for use in portable equipment. The piezo-astatic principle is the only one that permits it to be constructed directly to the grid of the tube in which it is used. Comes in the standard 1/2" and 1" sizes. Output is in the order of 100 microvolts. Dimensions as shown. Comes with 6 ft. shielded cable. Illing. wt. 1 lb.

**XM13363** Your Cost ..... **\$12.60**

## "Ribbon" Microphone

These microphones have an exceptionally fine frequency response. No A.C. or D.C. voltage required. For best results a total gain of 20 db and an output of 100-125 Db. must be available. The frequency response must also be good. KIT includes all necessary parts, components, and instructions. Comes in standard sizes.

**XM13314** Ribbon Microphone complete assembled and factory tested. With case and I.L. transformer. List Price \$25.00.

Your Cost ..... **\$14.70**

**XM13513** Ribbon Mike Kit, S. 1/2" x 1 1/2" x 1 1/2" \$10.00. Your Cost ..... \$5.88

**XM13505** Case for Mike, Illing. wt. 2 lbs. List Price \$6.00. Your Cost ..... \$3.50

## Replacement Ribbons for Microphones

Standard. Package of 2 ribbons. Your Cost ..... **30c**

**XM13374** Replacement package of 2 ribbons. Your Cost ..... **44c**

## Ribbon Microphone Transformers

**XM13509** I.L. transformer for 1/2" ribbon. Your Cost ..... **30c**

**XM13510** I.L. transformer for 1" ribbon. Your Cost ..... **44c**

**XM13511** I.L. transformer for 1 1/2" ribbon. Your Cost ..... **44c**

**XM13554** P.L. to match plate to list. List \$5.00. Your Cost, Any Type ..... **\$2.94**

## Lafayette Wide Range—High Gain Pre-Amplifier



The most important high gain A.C. operated pre-amplifier available. Has a gain of 18 Db. from a 200 ohm input to a 100 ohm load. It has a frequency response of 20 to 20,000 cycles per second. It is particularly suitable for use with ribbon microphones and is especially designed for use with the Lafayette wide range high gain pre-amplifier. It has a gain of 18 Db. from a 200 ohm input to a 100 ohm load. It has a frequency response of 20 to 20,000 cycles per second. It is particularly suitable for use with ribbon microphones and is especially designed for use with the Lafayette wide range high gain pre-amplifier. It has a gain of 18 Db. from a 200 ohm input to a 100 ohm load. It has a frequency response of 20 to 20,000 cycles per second. It is particularly suitable for use with ribbon microphones and is especially designed for use with the Lafayette wide range high gain pre-amplifier.

Two types of tubes are used in a special circuit in which one of the tubes is used in a screen grid amplifier and the other as a triode. Standard units have 200 ohm input and 100 ohm output but if desired it can be used with either a 500-ohm input and output.

### SPECIALLY DESIGNED POWER SUPPLY

The power supply is a separate unit and a special pre-amplifier has been added to match special tubes. The transformer has a special design as described above and the filter is of the high-pass high frequency type. It is designed for operation from any 110-volt 60 cycle A.C. line. Comes in a standard metal case with a carrying handle. Standard case \$15.00. Power supply \$12.50. Illing. wt. 1 lb.

**XP15949** Lafayette Pre-amplifier and Power Supply. Your Cost ..... **\$52.50**

**NOTE:** In order to obtain the finest results possible from a ribbon microphone we particularly recommend the use of this pre-amplifier together with the Lafayette High Fidelity Power Amplifier listed and described on page 73 of this catalog.

## SHURE Carbon Microphone Model 3A Double Button



An excellent incandescent double button carbon microphone for the transmission of voice. It has a wide frequency response and a high gain. It is particularly suitable for use in portable equipment. The piezo-astatic principle is the only one that permits it to be constructed directly to the grid of the tube in which it is used. Comes in the standard 1/2" and 1" sizes. Output is in the order of 100 microvolts. Dimensions as shown. Comes with 6 ft. shielded cable. Illing. wt. 1 lb.

**XM13517** List \$6.50. Your Cost ..... **\$3.82**

## "Universal Joint" Microphone Stands for Crystal or Ribbon Mikes



**Stand No. 1** is an 8" desk stand equipped with a self-closing ball and socket joint to fit crystal or ribbon microphones. The joint is made fitting the microphone in any desired angle. A special lightweight zinc bracket holding the joint at any position. Painted in bright finished aluminum. Base Character 517. Illing. wt. 1 lb.

**XM13526** Your Cost ..... **\$3.75**

### BANQUET STAND

**XM13527** Similar to the above but can be extended from 17" to 27". Base character 518. Illing. wt. 1 lb. Your Cost ..... **\$5.50**

### FLOOR STAND

**XM13528—Stand No. 3** Similar to the above but has a telescopic base. Can be extended from 27" to 47". Base 25" in diameter. An excellent stand for use in the studio. Highly polished chrome finish. Paint transformer for adjustment and swivel joint lock nut. S. wt. 1 lb. Your Cost ..... **\$7.95**

### COMBINATION STAND

**Stand No. 4** not only has a telescopic base. It is also equipped with a swivel joint. Can be used as desk stand or floor stand. The ring for the microphone can be adjusted. A special lightweight zinc bracket holding the joint at any position. Painted in bright finished aluminum. Base character 517. Illing. wt. 1 lb.

**XM13523** Your Cost ..... **\$3.95**

## AMERICAN Dynamic Microphone



This microphone has a wide range of dynamic response. It is particularly suitable for use in portable equipment. The piezo-astatic principle is the only one that permits it to be constructed directly to the grid of the tube in which it is used. Comes in the standard 1/2" and 1" sizes. Output is in the order of 100 microvolts. Dimensions as shown. Comes with 6 ft. shielded cable. Illing. wt. 1 lb.

**XM13397** Illing. wt. 1 lb. List \$42.50. Your Cost ..... **\$24.99**

## SHURE Condenser Microphone



A really high quality modern Condenser Microphone available to Broadcast and Public Address Engineers at an unusual price, with the high sensitivity, the true reproduction, the freedom from hum and the excellent frequency response found only in the highest priced microphones.

It consists of a high quality air-camped, screened diaphragm mounted on a metal frame. The condenser is formed by two type 50 tubes. The compensating diaphragm is formed by a special process. It has a frequency response of 20 to 20,000 cycles per second. It is particularly suitable for use in portable equipment. The piezo-astatic principle is the only one that permits it to be constructed directly to the grid of the tube in which it is used. Comes in the standard 1/2" and 1" sizes. Output is in the order of 100 microvolts. Dimensions as shown. Comes with 6 ft. shielded cable. Illing. wt. 1 lb.

**XM13567** Your Cost ..... **\$39.69**

### SHURE MODEL 41A POWER SUPPLY

SHURE MODEL 41A is a power supply for the Shure Model 41A microphone. It has a gain of 18 Db. from a 200 ohm input to a 100 ohm load. It has a frequency response of 20 to 20,000 cycles per second. It is particularly suitable for use with ribbon microphones and is especially designed for use with the Lafayette wide range high gain pre-amplifier. It has a gain of 18 Db. from a 200 ohm input to a 100 ohm load. It has a frequency response of 20 to 20,000 cycles per second. It is particularly suitable for use with ribbon microphones and is especially designed for use with the Lafayette wide range high gain pre-amplifier.

# Microphone Cables & Accessories

## Heavy Duty Plugs and Sockets



A series of heavy duty multiple contact plugs and sockets made of genuine moulded bakelite with heavily armored metal caps. Very sturdily made and are excellent for use with portable public address systems. Finished in black crackle lacquer. Shpg. wt. 1 lb.

### Plug with Clamp

Stock No.	Contacts	Your Cost
XL12400	2	\$0.42
XL12401	4	.51
XL12402	6	.60
XL12403	8	.66
XL12404	10	.75
XL12405	12	.84

### Flush Socket

Stock No.	Contacts	Your Cost
XL12406	2	\$0.51
XL12407	4	.63
XL12408	6	.75
XL12409	8	.90
XL12410	10	1.02
XL12411	12	1.17

### Socket With Sleeve

Stock No.	Contacts	Your Cost
XL12418	2	\$0.63
XL12419	4	.75
XL12420	6	.87
XL12421	8	1.02
XL12422	10	1.14
XL12423	12	1.29

### Socket with Clamp

Stock No.	Contacts	Your Cost
XL12412	2	\$0.66
XL12413	4	.78
XL12414	6	.90
XL12415	8	1.05
XL12416	10	1.17
XL12417	12	1.32

## "Twist Lock" Polarized Armored Connectors

A twist of the wrist and they are securely locked together! Cannot pull apart accidentally. Completely armored for protection against breakage. Equipped with clamps for cable. Will take large size wire up to 1/2". Shpg. wt. 1 lb.



<b>Two Wire Connectors</b>	
XM13175—Male	38¢
Your Cost	
XM13176—Female	75¢
Your Cost	

<b>Three Wire Connectors</b>	
XM13177—Male	59¢
Your Cost	
XM13178—Female	99¢
Your Cost	

<b>Four Wire Connectors</b>	
XM13179—Male	79¢
Your Cost	
XM13180—Female	\$1.35
Your Cost	

## "Twist Lock" Receptacle

Fits standard outlet box.	
XM13181—3 Wire	98¢
Your Cost	
XM13182—Four Wire	\$1.40
Your Cost	

## "Twist Lock" Recessed and Base Mount Plugs

For mounting on apparatus and to be used with "Twist Lock" Female Connectors. Recessed type provides flush surface and prevents accidental contacts with prongs. Shpg. wt. 1 lb.



<b>Two Wire Male</b>	
XM13183—Base Mount	35¢
Your Cost	
XM13184—Recessed	55¢
Your Cost	

<b>Three Wire Male</b>	
XM13185—Base Mount	45¢
Your Cost	
XM13186—Recessed	75¢
Your Cost	

<b>Four Wire Male</b>	
XM13187—Base Mount	57¢
Your Cost	
XM13188—Recessed	95¢
Your Cost	

## "Twist Lock" Female Receptacle

Made of porcelain. Shpg. wt. 1 lb.	
XM13173—2 Wire, Each	45¢
XM13174—3 Wire, Each	79¢

## 3 Way Mike Plug



For quickly connecting double button mikes or any three wire cord. Has a moulded bakelite handle. Contacts are solid brass tinned for easy soldering. Shpg. wt. 1 lb.

XM13521—**43¢**  
Your Cost

## 3 Way Jack

For use with above plug. XM13522—**28¢**  
Your Cost

## 3 Way Mike Connector

For use with above plug. XM13523—**37¢**  
Your Cost

## Thutest Carbon Granules

Extra fine quality, same as used in better grade microphones—not adulterated. Contains sufficient granules to refill one two-button microphone. Care must be used in measuring amount for each button. Must not be touched with fingers. Shpg. wt. 1 lb.

XM13481—**43¢**  
Your Cost

## Microphone Springs

These microphone springs are made of the finest grade tempered steel, with formed loop ends.

XM13402—**20¢**  
Set of 8 for

## C-H Mike Connectors

Heavy brass contacts. Three prong plug and socket. Plug has metal cover for protection. Shpg. wt. 1 lb.

XM13399—Plug **19¢**  
Your Cost Each

XM13398—Socket **25¢**  
Your Cost Each

## 9 Ft.-3 Wire Cable

A three wire cable with lugs at one end for use in connecting microphones. Shpg. wt. 1 lb.

XQ16142—**15¢**  
Your Cost Each

## Thutest Shielded Microphone Cable with Armored Connectors

Heavy rubber covered shielded cable impervious to oil and water. Connectors heavily armored and clamped to cable.

Stock No.	Size	Shipping Weight	Your Cost
XQ16080	6 ft.	1 lb.	\$1.75
XQ16081	12 ft.	2 lbs.	2.25
XQ16082	25 ft.	3 lbs.	3.95
XQ16083	50 ft.	5 lbs.	5.50
XQ16084	100 ft.	11 lbs.	9.95

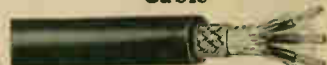
## Shielded Microphone Cable



First quality shielded three conductor Microphone Cable that will stand the hardest usage without becoming worn or cracked. Ends provided with suitable lugs for easy connection. Very popular for indoor installations. Cotton covered. Shpg. wt. for 50 ft., 2 1/2 lbs.

XQ16132—  
6 Ft. for \$0.35 25 Ft. for \$1.15  
12 Ft. for .60 50 Ft. for 1.90

## Thutest Shielded Microphone Cable



Consists of three conductors color coded in a very closely woven tinned copper shielding with 1/8" outer covering of high percentage rubber. Especially intended for outdoor use. Absolutely weather and abrasion proof. Shpg. wt. 10 lbs. per 100 ft.

XQ16098—Your Cost Per Foot **8¢**  
12 Ft. for \$0.85 50 Ft. for \$3.20  
25 Ft. for 1.65 100 Ft. for 5.95

## Special Value! Mike Cable

Light duty cable similar to the above.

XQ16145—Your Cost Per Foot **5¢**  
12 Ft. for \$0.55 50 Ft. for \$2.15  
25 Ft. for 1.05 100 Ft. for 3.90

## Super Service Shielded Microphone Cable



7/8" outside diameter  
Seven conductors of No. 14 stranded copper for 3 and 4 microphones on a mixing panel. Each conductor color coded. Unusually heavy and close shielding well protected by a tough live rubber jacket. Shpg. wt. 12 lbs. 100 ft.

XQ16099—  
Your Cost Per Foot **20¢**  
50 Ft. for \$9.75 100 Ft. for \$17.50

## Armored Bakelite Microphone Connectors

No better Connectors made for use with Carbon Microphones. Bakelite throughout providing perfect insulation; spring contacts insuring positive connections. Heavily armored Plug and Socket locks cable, preventing individual connections from being pulled out. Diameter 1 1/8". Shpg. wt. 1 lb.

XM13401—Plug **44¢**  
Your Cost Each

XM13400—Socket **58¢**  
Your Cost Each

XM13415—3 Wire Flush Receptacle, of a hard composition. Will fit above Female Socket No. XM13400. **75¢**  
Your Cost Each

## 5 Wire Rubber Covered Shielded "Mike" Cable



Re-enforced with cord, rubber covered, stranded color coded microphone cable. Heavy cotton braid outer layer, ribbon sleeve shield, 1/2" live rubber. Excellent for Condenser Mikes. Outside diameter 9/16". For all outdoor temporary or permanent jobs. Shpg. wt. 10 lbs., 100 ft.

XQ16100—  
Your Cost Per Foot **8¢**  
Per 100 Feet \$7.80

# PICK-UPS • Phono-Motors • RECORD CHANGERS

## Truest Pick-Up



Most recently developed pick-up. The truest method of powering an armature in parallel with the coil. This method provides the frequency response. Both the highest and the lowest notes are reproduced as faithfully as the record will permit. Attractively finished in a beautiful dull gold with built in volume control.

Model 15-A  
**\$4.95**  
 Your Cost  
**COUNTERBALANCE FOR PICK-UP**

Used with the above pick-up to assure correct pressure when used with 78, 80 R.P.M. records. Sugg. wt. 1 lb.  
 Model 15-A  
**\$1.15**  
 Your Cost

## AMPERITE Oxide Crystal Pick-up



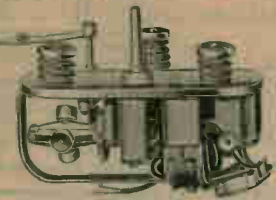
Entirely new! Requires only one stage of amplification. Output is 10 db. Suitable for either 78 or 80 R.P.M. records. Easily attached to any radio receiver. Connected between plate and cathode of preceding tube. Average position 100M ohms, range 50, 100M.  
 Model 133  
**\$4.76**  
 Your Cost

## PIEZO-ASTATIC Crystal Pick-Up



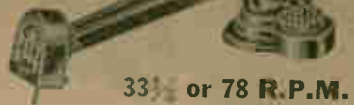
With this pick-up the quality of the music will be limited only by the associated amplifier. The Piezo Electric Crystal is the most efficient element for converting mechanical motion into electrical energy. Built bearings and screws by hand with the finest precision. The design of the pick-up, or slow speed records without the use of a 2000 ohm counterbalance weight. Available with 8 or 12 gram arms. Use 12 wire volume control. Sugg. wt. 5 lbs.  
 Model 161  
**\$9.00**  
 Your Cost  
 Model 162  
**\$10.50**  
 Your Cost

## UNIVERSAL Phono Motor for 110 Volts A.C. or D.C.



One of the few efficient universal phono motors on the market at the present time. Works equally well on either A.C. or D.C. 110 volts. Select operation with varying speed. Ideal for use in conjunction with the popular A.C. D.C. motor amplifier. Equipped with a 12" turntable and adjustable tone arm. All metal parts and paint. Mounted on panel by type mounting kit. For use with 78 R.P.M. records. Sugg. wt. 11 lbs.  
 Model 126  
**\$14.95**  
 Your Cost

## Lafayette Dual Speed Pick-Up



Designed to meet the needs for playing both 78's and 80 R.P.M. records with the same pick-up. Balanced design, providing absolutely clear overtones. Available in 2500 or 3000 ohm impedance. Special tone control to cater to special tastes in records. Specialty tone when desired. Sugg. wt. 4 lbs.  
 Model 138  
**\$6.20**  
 Your Cost  
 Model 143  
**\$6.20**  
 Your Cost  
**LAFAYETTE PROFESSIONAL JR.**  
 Has same general characteristics as above. Plays 11" records. Specialty high or low impedance. Sugg. wt. 6 lbs.  
 Model 137  
**\$9.75**  
 Your Cost Each

## Automatic Stop for Electric Phonographs



Adjustable to operate at any point on record. Arm automatically trips switch which cuts off current to motor. Mounts under turntable and can be used for any type of electric motor under A.C., D.C. or Battery. Eliminates the need for a separate ON and OFF current switch. Suitable for portable as well as a console.  
 Model 135  
**75c**  
 Your Cost Each

## GREEN FLYER Governor Controlled

Two Speed Motor  
 33 or 78 R. P. M.  
 for A. C. Operation



A new induction type motor that may be adjusted for either 60 or 50 cycles of 78 R.P.M. or the new 45 R.P.M. records. Comes completely assembled and fits in slot. Mounts immediately into the spindle end gear. Overhaul with ball-bearing bearings. Will not overheat in direct sunlight. 10" turntable. Has dual and a 12" turntable. Available in 100M ohm, 50, 100M. Sugg. wt. 10 lbs.  
 Model 100 T  
**\$9.60**  
 Your Cost  
 Model 102  
**\$6.75**  
 Your Cost

### Special 6 Volt Motors

These motors for six volt operation are of the same quality and are of the same general construction as our other models and are also made in both the dual speed and single speed types. Equipment need of sound track installation usually requires much heavier gauge than normal and these motors were designed with that in mind.  
 Model 127  
**\$14.70**  
 Your Cost  
 Model 128  
**\$13.20**  
 Your Cost

### Special Recording Motor Dual Speed

This motor is especially constructed for use in recording. Similar specifications to Model 100 except that this motor is 10" in diameter and that the motor is much more powerful. The Green Flyer designed governor keeps precise constant speed under varying conditions and assures perfect recording. Complete with 12" turntable. Sugg. wt. 15 lbs.  
 Model 120  
**\$11.75**  
 Your Cost  
 Add 40c to any of the above prices if a 12" turntable is desired. We can supply any voltage for additional 95c.

## GENERAL INDUSTRIES Automatic

### "Improved Type" Record Changer



Accepts two speed motor with your best 12" and 10" R.P.M. records. Physical changes over 12" or 10" records. Records of records are made. Last record is made with turntable off. Built of heavy chrome metal finished in stainless. 12" turntable pick-up with built in volume control. 12" with 2" groove, 5" groove and 2 1/2" below plate. Can be mounted in any commercial enclosure. Special turntable also available. Please see catalogue. For 110 volts, 60 cycle A.C. 100M ohm.  
 Model 17754  
**\$52.50**  
 Your Cost  
 Model 17763  
**\$60.50**  
 Your Cost  
 Model 17764  
**\$61.50**  
 Your Cost

## Dual Speed CAPEHART

### Automatic Record Changer



This dual speed 33 and 78 R.P.M. automatic Record Changer is the most practical device for continuous playing of 10" or 12" records. Equipped with the Capehart automatic record changer. Features 12" turntable, 12" with 2" groove, 5" groove and 2 1/2" below plate. Can be mounted in any commercial enclosure. Special turntable also available. Please see catalogue. For 110 volts, 60 cycle A.C. 100M ohm.  
 Model 17750  
**\$59.50**  
 Your Cost

# PHONO PICK-UPS AND ACCESSORIES

## AUDAK Electro-Chromatic Pickup

Model 2033



A moderate priced instrument ideally suited for general use in radio receivers, etc. For records up to 12" in diameter. Highly sensitive and a close runner-up to the model HR-33 in frequency response. Standard impedance 7500 ohms. If desired 200 and 500 ohms also available. Specify impedance when ordering. Shpg. wt. .5 lbs.  
**XA453—Model 2033**  
**Your Cost.....\$7.25**

### MODEL 433

A low priced model similar to the above. 7500 ohms standard impedance, 200 and 500 ohms also available. Specify impedance desired. Shpg. wt. 5 lbs.  
**XA454—Model 433**  
**Your Cost.....\$5.62**

## AUDAK "Professional" Electro-Chromatic Pickup



The finest pick-up made for the reproduction of electrical transcriptions in broadcasting stations, theaters, etc. Frequency range is especially wide and a needle ballast is incorporated for compensation on frequencies below 300 cycles. Only the finest materials and workmanship are used throughout—high permeability alloys—purest Ceylon Gum dampeners, etc. The relation between the vibrating element and the coil is fixed for maximum inductance, essential if harmonics are to be reproduced. Available in 200, 500 and 7500 ohm impedances. When ordering state impedance desired. Shpg. wt. 6 lbs.  
**XA455—Audak Professional**  
**Your Cost.....\$26.80**

### SEMI-PROFESSIONAL

Similar to the above and for records up to 18" in diameter. Wide frequency response, being only slightly less than the model listed above. 7500 ohms standard impedance—200 and 500 also available if desired. Shpg. wt. 6 lbs.  
**XA456—Specify Impedance Semi-Professional**  
**Your Cost.....\$11.80**

## AUDAK Model HR-33 Electro-Chromatic Pickup



A high quality wide range pickup for use with records up to 12" in diameter. Equipped with needle ballast for compensation on frequencies below 300 cycles. Unquestionably one of the finest pickups made for use with records up to 12" in diameter. Standard impedance 7500 ohms, impedances of 200 and 500 ohms also available. State impedance desired when ordering. Shpg. wt. 5 lbs.  
**XA457—Model HR-33**  
**Your Cost.....\$9.85**

### AUDAK Duo-Disc



33 1/3 or 78 R.P.M. on any single speed motor—by turning a button. No gears. Shpg. wt. 7 lbs.  
**XA106—Audak Duo-Disc**  
**Your Cost.....\$2.98**



## Genuine RCA-Victor Double Faced Records



Here's a real buy in genuine RCA-Victor double faced phonograph records. Two assortments of 25 records each at prices that you paid for only one record a short time ago! Public address men, you need this assortment of recordings for fill-ins. Dealers, make a hit with your customer by giving him a half dozen records with each purchase of a phono-radio combination! They cost you only 9c a piece!

### AMERICAN RECORDS

25 assorted records to a carton including such well known American artists as—Paul Whiteman, Rudy Valle, Eddie Duchin, Wayne King, Nat Shilkret, Duke Ellington, George Olsen, etc. Foxtrots, Waltzes, Vocals, Tangoes, Bands, Marches. Shpg. wt. 13 lbs.  
**XA346—Carton of 25 assorted**  
**Your Cost, Special.....\$2.25**

### SPANISH RECORDS

Assortment of 25 Spanish records (Victor Discos Espanol). Late assortments of Tangoes, Cancions, Foxtrots, Paso Doble, Bolero. By DeAmaya, Escasena, Quiroga, Juan Pulido, Orchestra International, etc. Shpg. wt. 13 lbs.  
**XA347—Carton of 25 assorted**  
**Your Cost, Special.....\$3.50**

## Truest Scratch Filter

Practically eliminates the objectionable and annoying scratching caused by the needle friction. Filters out the noise frequencies. Equipped with phone tip jacks on input side to the pickup and with binding posts on output side to set or amplifier. Can be used with any phono-radio combination. Shpg. wt. 3 lbs.



**XA118—**  
**Your Cost.....\$1.75**

## RCA-Victor Chromium Playback Needles

Special chromium needles that will play from 75 to 100 records.  
**XA357—Package of 6**  
**Your Cost.....25¢**

## AUTONATOR—110 V. A. C. Generator For Your Car

Operated by the fan belt on any gas driven motor in car, truck or boat. It generates 110 volts alternating current for operating—signs—radio sets—public address systems—or any electrical appliance requiring no more than the rated current output of the Autonator.



Easily attached to any car. Field current is supplied by the car generator and battery. Comes complete with 7 1/2 ft. shielded double cable and a double outlet same as used for home type receptacles, a plug, mounting brackets and complete instructions for installing. Shpg. wt. 30 lbs.

**XY19809—50 Watt output**  
 List \$32.50  
**Your Cost.....\$23.88**  
**XY19810—100 Watt output**  
 List \$37.50  
**Your Cost.....\$27.56**  
**XY19811—150 Watt output**  
 List \$47.50  
**Your Cost.....\$34.91**  
**XY19812—250 Watt output**  
 List \$80.00  
**Your Cost.....\$58.80**

## Lafayette Dual Speed Electric Portable Motor and Pickup



The finest portable made today. Motor is a genuine two-speed Green Flyer with speeds of 78 and 33 1/3 R.P.M. Selection of speeds is easily made with a lever. 12" turntable felt covered. All exposed motor parts finished dull bronze. A new and improved two speed Lafayette high impedance pickup with a built-in volume control provides crystal clear reproduction. Sturdily built case covered with grained Fabrikoid. Size 17 1/4 x 19 1/4 x 8". For 110 volt 60 cycle A. C. operation. Shpg. wt. 25 lbs.  
**XY22031—List \$60.00**  
**Your Cost.....\$23.95**

### Special Single Speed Portable Motor and Pickup

A special value in a single speed motor and pickup. Attractive grained fabrikoid covered case. Plush covered turntable. Equipped with speed regulator and covered needle cup. For operation on 110 volt 60 cycle A. C. Shpg. wt. 24 lbs.  
**XY22049—**  
**Your Cost, Special.....\$16.95**

## ROTARY CONVERTORS

### JANETTE Rotary Converters

For operating 110 volt 60 cycle A. C. electrical appliances, radios, P. A. Systems, etc., from D. C. supplies. Models available for any voltage from 6 to 220 volts as listed below. All are equipped with interference filters to prevent noise reaching the radio. If filter is not required, write for prices on model desired. Sizes are listed suitable for practically any requirement from small midjet radios up to large Public Address Systems, Transmitters, etc.



Stock No.	Output Watts	Input Amps.	Your Cost	Stock No.	Output Watts	Input Amps.	Your Cost
32 v. D. C. to 110 v. 60 cycle A. C.				110-115 v. D. C. to 110 v. 60 cycle A. C.			
<b>XY19806</b> 80	5.4	\$26.41		<b>XY19807</b> 80	1.3	\$26.41	
<b>XY19800</b> 110	6.5	28.47		<b>XY19803</b> 110	1.9	28.47	
<b>XY19801</b> 150	8.5	31.56		<b>XY19804</b> 150	2.1	31.56	
<b>XY19802</b> 300	15.	44.25		<b>XY19805</b> 300	4.0	44.25	
<b>XY19813</b> 400	18.	62.43		<b>XY19815</b> 500	6.4	62.43	
<b>XY19814</b> 650	27.	79.93		220 v. D. C. to 110 v. 60 cycle A. C.			
<b>XY19816</b> 150	1.2	32.93		12 v. D. C. to 110 v. 60 cycle A. C.			
6 v. D. C. to 110 v. 60 cycle A. C.				<b>XY19817</b> 30	6.5	27.79	
<b>XY19808</b> 30	13.	27.79		<b>XY19839</b> 80	15.	32.25	
<b>XY19818</b> 60	24.	44.25		<b>XY19870</b> 120	18.	37.39	
				<b>XY19876</b> 160	22.	52.84	

# Duall SUPER RECORDER



A money-maker for those who can solicit their neighborhood stores, making advertising recordings of their products and then reproducing through a public address system to several thousand persons.

These popular recording mechanisms are now still further improved and are truly the best record in business of this type. Specially designed for recording on either aluminum or celluloid 12-inch discs these instruments will make faithful reproductions of the human voice or musical compositions.

Some of the special features of the new Duall Recorder are: a positive feed for the recording head that provides uniform spacing of lines and prevents overcutting. Choice of either a lightweight or full-size recording heads (celluloid or aluminum). P.C. electronic "Crystal" Pick-up for reproduction. Cutter head, 15 or 100 ohms impedance. Specially designed 1.20 H.P. motor. Rim drive assuring constant 78 R.P.M. speed. Vibration free mounting.

Standard Assembly consists of: motor and turntable for 78 R.P.M., overhead feed mechanism for 80-line recording on 12-inch records. Picked up in line. Cutter head for celluloid (aluminum is also available). Specify X Cutting head, 15 or 100 ohms. This extra piece for celluloid are provided which can easily be removed when recording on aluminum. A high impedance Crystal Pick-up. Motor is for 115 volt, 50 to 60 cycles. All metal parts above. See above listed. Shpg. wt. 12 lbs.

**XY19889** Your Cost \$275.00

**\$147.50**

Same equipment as above, but with upgraded motor for both 78 and 80 R.P.M. recording. Complete. Shpg. wt. 12 lbs.

**XY19890** Your Cost \$330.00

**\$180.00**

## 16-Inch Turntable and Motor Assembly

For making recordings longer than those possible on a 12-inch record the 16-inch record is available. Identical in all respects to the 12-inch model listed above but for the turntable which is 16 1/2 inches in diameter and somewhat heavier in construction. All feed screws are furnished with either inside-out or outside-in feeds as desired. When ordering specify R.P.M. and type of feed required. Celluloid

cutting head with an impedance of 15 ohms is standard — aluminum may be had at extra price if desired. Pkg. Wt. 12 lbs. Shpg. wt. 12 lbs.

**XY19888**

Motor for 78 R.P.M. Speed. Shpg. wt. 12 lbs.

**\$180.00**

Your Cost

Same equipment as above except that motor is dual speed still can be used at 78 or 74 R.P.M. as desired. Shpg. wt. 12 lbs.

**XY19886**

Your Cost

**\$210.00**

## Double Turntable Assembly

For recording continuous programs in a series of records or for transmitting records a double turntable is available. On a 12-inch record, two complete units consisting of 15.32-inch Super Recorder motor stock No. XY19887 are mounted. The speed of both motors has been carefully adjusted to operate uniformly. Shpg. wt. 24 lbs.

**XY19885** Your Cost

**\$295.00**

## Overhead Feed Mechanism To Attach to Your Present Turntable

We offer this device for those who desire to attach this unit to their own turntable. It has an adjustment for proper alignment. A Motor of constant speed and rating of 1.50 H.P. is recommended for this unit to give there is sufficient power to your motor to operate it. Turntable should be cut with a hole 1 1/2 inch in diameter and securely fastened to motor shaft. Equipped with 15-ohm impedance cutter head. Shpg. wt. 12 lbs.

**XY19892** List \$85.00.

Your Cost

**\$48.00**



Extra Feed Screws for 88, 96 or more lines for above overhead feed mechanism. Specify whether for celluloid or aluminum. Shpg. wt. 6 lbs.

**XY19892** List \$18.00.  
Your Cost **\$8.00**

## NOTE

A complete Portable Recording System, self-contained in two carrying cases, including: a recorder, with two cutting heads (celluloid and aluminum); two feed screws (inside-out and outside-in); a play-back pick-up in one case, and an amplifier, speaker, control panel, and volume indicator, in another case, is available. Accessories include cutting and play-back needles, and six 12-inch records. Complete descriptive circular on request.

**XY19874** Your Cost

**\$475.00**

# Duall

## JUNIOR RECORDER

Complete Cutting Mechanism A Semi-Professional Recording Outfit



Perfectly records other voices or musical programs with the fidelity of tone. Anyone can install this recorder to their present turntable, provided the motor is of sufficient power for this purpose. It is a semi-professional recording outfit for all types of recording on aluminum records. It includes a very satisfactory recording of music programs, advertising talks, etc., can be made. Full 10-inch recordings can be made at either 78 or 80 R.P.M.

In recording no unusual technique is necessary. The amplifier and loud speaker can be of normal room level. A special cutting needle is suggested for quality recordings. Actual recording is simple and records can be played back immediately. Shpg. wt. 8 lbs.

**XY19883**

Junior Dual Recorder. Low motor and turntable.

Your Cost

**\$24.75**

## Genuine Diamond and Sapphire Needles

These needles are especially designed for recording purposes. They will provide extremely long life. The sapphire needle being good for 25 to 30 recordings before resharpening.

**XA132** - Genuine Diamond Needle

Your Cost, Each

**\$2.50**

**XA359** - Genuine Sapphire Needle

Your Cost, Each

**\$3.95**

## Acetate Coated Aluminum Record Blanks

These recording blanks are entirely different — they have an aluminum base and are coated with a special acetate compound. They are cut exactly the same way that celluloid is cut but will give far better results than either celluloid or aluminum blanks. The purity of the coating eliminates the scratch due to gritty surfaces. **Not pre-grooved.** Shpg. wt. per 3 blanks, 5 lbs.



Stock No.	Size	Your Cost, Each	Stock No.	Size	Your Cost, Each
<b>XA348</b>	6"	\$0.40	<b>XA352</b>	12"	\$1.00
<b>XA349</b>	8"	.50	<b>XA353</b>	18"	1.65
<b>XA351</b>	10"	.80			

## Plain Aluminum Record Blanks

For those preferring the ordinary aluminum blank we offer the following in plain and pre-grooved.

Stock No.	Size	Your Cost, Each	Stock No.	Size	Your Cost, Each
<b>XA200</b>	6"	\$0.18	<b>XA202</b>	12"	\$0.44
<b>XA201</b>	8"	.30	<b>XA203</b>	18"	.57
<b>Pre-grooved</b>			<b>Pre-grooved</b>		
<b>XA204</b>	6"	.18	<b>XA206</b>	12"	.44
<b>XA205</b>	8"	.30	<b>XA207</b>	18"	.57

## Acetate Needles

Special needles for playing back celluloid records.

**XA209** - Package of 12

Your Cost

**10¢**

## Fibre Needles

For use in reproducing acetate records. Producing superb results.

**XA343** - Package of 12

Your Cost

**10¢**

## Steel Needles

For reproducing celluloid records. Producing excellent results.

**XA344** - Package of 12

Your Cost

**75¢**

**XA341** - Package of 12

Your Cost, Each

**12¢**

## Genuine Sapphire Reproducing and Cutting Needles

**XA192** - For cutting and recording on blank aluminum. Shpg. wt. 10 lbs.

Your Cost

**\$2.05**

**XA194** - For recording on pre-grooved compositions and other records.

Your Cost

**\$2.45**

**XA195** - For reproducing any acetate records.

Your Cost

**\$1.75**

**XA196** - For cutting and recording on celluloid.

Your Cost

**\$3.75**

## DEPENDABLE Model 304 Tube Checker

For testing all tubes brought out to date, with provisions for many new ones to arrive in the future. Non-absorbent assured—spare switching capacity for three times the present number of tubes. Tests include short and leakage tests between any two elements, pilot light indicator for shorts, gas test, second plate test for full wave rectifiers, bias shift test and line voltage adjuster. Two vacuum meters on panel; one English reading accurate D'Arsonval moving coil meter (accuracy 2%) for tube readings; one line voltage meter. Selector switches control filament and plate voltages, short tests and tube selector. No adapters of any kind necessary. Charts giving correct readings for all present type tubes are included. In counter model case dimensions are: 9x12x5". Shpg. wt. 20 lbs.

**XJ10505—**  
In counter model case  
**Your Cost** . . . . .

**\$19.55**

**XJ10506—**A Combination Portable and Counter type case with removable cover and tool carrying compartment. Shpg. wt. 18 lbs.  
**Your Cost, Case Only** . . . . . **\$2.25**

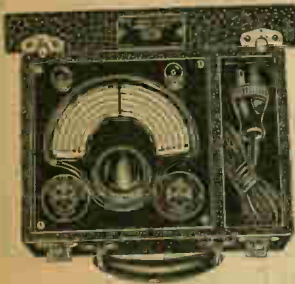
### Save Money!

**A Complete Kit of Parts For Assembling This Tester Yourself!**

**XJ10507—**A complete Kit of Parts for building the above model 304 Tube Checker. Careful design has so simplified the construction of this tester that practically anyone can successfully assemble it. Complete, easy to understand, instructions with clear, easy to follow, diagrams are included with each Kit. The counter model case as pictured above is included also, as are tube charts and operating instructions. Shpg. wt. 15 lbs.  
**Your Cost** . . . . . **\$15.35**



## JACKSON All Wave Signal Generator Operates on 110V. Either A.C. or D.C.



A precision built Signal Generator for all R.F. and L.F. alignments. Electron Coupled, employing a type 6F7 and a type 37 in a specially designed circuit. A self-contained audio oscillator provides a steady and pure modulated note of 400 cycles. Operates directly from either the A.C. (60 cycle) or D.C. line without any switching or other adjustment. Line feed-back is completely filtered out. All important circuit components are individually shielded; entire unit enclosed in an effective leak-proof shield. Frequency ranges on fundamentals (not harmonics) are: 100-225 K.C.; 225-550 K.C.; 550-1500 K.C.; 1500-4000 K.C.; and 4000-10,000 K.C. In addition, there is a range of 8000-20,000 K.C. using the second harmonic of the 4000-10,000 K.C. range. All ranges directly calibrated on 6" fan shaped dial. Two selector knobs select desired frequency ranges and control attenuation. In leatherette case 10x7 1/2 x 5". Removable hinged cover. Complete with plug-in type line cord. Shpg. wt. 17 lbs.

**XN13903—**All-Wave Signal Generator, Less Tubes  
**Your Cost** . . . . . **\$33.00**

Two selector knobs select desired frequency ranges and control attenuation. In leatherette case 10x7 1/2 x 5". Removable hinged cover. Complete with plug-in type line cord. Shpg. wt. 17 lbs.

**XN13903—**All-Wave Signal Generator, Less Tubes  
**Your Cost** . . . . . **\$33.00**

Tubes for above (1-6F7, 1-37). **Your Cost** . . . . . **\$1.32**

### Beat Note Oscillator

A sensitive and precise form of tuning indicator for super-heterodynes. Also used to receive C.W. signals. Attached in a moment without tools or touching receiver wiring. First adjustment permanent—only operation is to snap switch on or off. Uses 24A or 36 tube. Instructions included. Specify name and model of set when ordering. Shpg. wt. 2 lbs.

**XN14035—**  
**Your Cost** . . . . . **\$8.95**



## MULTITESTER Model 403 2000 Ohms per Volt Ohmmeter-Voltmeter Microammeter-Milliammeter



A compact multi-range tester of exceptional sensitivity (2000 ohms per volt) at a truly phenomenal price. Voltmeter ranges are: 1.5-50-250-750 D.C. volts. Milliammeter range: 0-50 M.A. Microammeter range: 0-500. Ohmmeter ranges: 0-2000-20,000-2,000,000 ohms. D'Arsonval movement 3 1/2" meter guaranteed accuracy 2%. Selector switch for selecting circuits and tapered compensator for battery voltage on ohmmeter 5.1, 8.1, 12.1". Shpg. wt. 6 lbs.

**\$14.65**

Complete with batteries  
**Your Cost** . . . . . **\$10.75**

**XJ10467—**Knock Down Kit Model 403K, complete with instructions for assembling.

Less batteries and case.  
**Your Cost** . . . . .

## DACO "Neon" Tube Tester

A new and improved type of tube tester which uses a dependable, accurate neon tube indicator in place of a meter. English reading tests on all latest type tubes, with provisions for future 8 and 9 prong sockets. Voltage range from 1.5 to 25 volts, A.C. D.C. Tests include: gas test; second plate test on all rectifiers and other dual plate tubes; cathode short test; line voltage control. Has Verichrome panel with two-color lettering, new design pointer knobs. Complete with operating charts and full instructions. Housed in solid oak case 13 1/2 x 8 1/2", with removable cover and built-in tool compartment. Easy to operate. Shpg. wt. 15 lbs.

**XJ10504—**  
**Your Cost** . . . . . **\$21.95**



### Model 77B



A portable Signal Generator noted for its accuracy and simplicity. Covers a frequency range from 100 to 3000 KC. Ranges are printed on calibration curves which are supplied with the instructions. Calibrated accuracy 3%. Instrument employs a newly designed form of non-inductive, constant input and output impedance variable attenuator. Completely shielded in every way; will not radiate at the highest frequencies it generates. Features include: a separate buffer stage in the form of a 1A6 tube, which used in conjunction with the new type attenuator allows the fundamental signal generated by the 30 tube to be unaffected by changes in the output circuit; two jacks on panel allow for separate 1000 cycle note for checking audio amplifiers, etc.; pure R.F. secured by merely shorting out the audio jacks. This unit is entirely self contained making it independent of the power supply available and in addition preventing any possibility of R.F. leakage into the set via the power line. Voltages supplied by one Burgess 22 1/2 volt "B" and one 4 1/2 volt "C" batteries. In metal case 6x9x6". Uses new Micro-Vernier Dial. Shpg. wt. 7 lbs.

**XJ10881—**  
Model 77B, Complete with Tubes and Batteries  
**Your Cost** . . . . . **\$14.95**

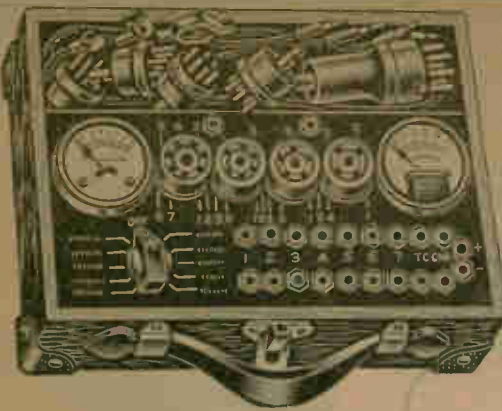
## WIRELESS EGERT Signal Generators

### Model 99



A high grade All-Wave Oscillator for aligning all R.F., I.F. oscillator and detector circuits. Covers range of 100 to 21,000 K.C. in seven steps, all on fundamentals. Uses new micro-vernier dial which allows user to obtain accuracies to an absolute value of one tenth of one percent of the dial setting desired. Totally shielded—no radiation at highest frequencies. New type attenuator is efficient at any point. A fixed output impedance of 100 ohms is fed into the antenna of the radio receiver. The circuit employs a type 1A6 tube in a special buffer stage and a type 30 oscillator. Complete sets of calibration curves, accurate to within 3%, are supplied. Blank curves also supplied to allow user to calibrate his own oscillator to an accuracy of one tenth of 1 percent. Output Calibrated in Microvolts. The instrument also supplies a separate 1000 cycle note (connections to jacks on panel) for checking audio amplifiers, coids, etc. In portable metal case with aluminum-etched front panel. Size 6x9x6" overall. Comes complete with one 22 1/2 "B" and one 4 1/2 "C" batteries and tubes. Shpg. wt. 7 lbs.

**XJ10880—** Model 99 All-Wave Oscillator  
**Your Cost** . . . . . **\$29.50**



**NEW! Model 720 Tester**

This precision-point tester is designed for fast and accurate measurements. Readings and tests are made directly on the dial. So arranged that voltage and current can be measured in any tube circuit. Resistance, capacitance, and capacitance are also quickly measured. Precision-point tests are made through an inside cable and plug connected to the test socket. Test sockets are handily arranged according to R.M.A. standards. With this method it is unnecessary to remove test elements to handle directly. All ranges available by connecting through the single pair of jacks. Regardless of frame arrangement of different tube elements this tester will make all tests with the same ease as if done with present day tubes. It contains one A.C. and one D.C. meter. The D.C. meters are 0, 25, 50, 100 and 500 volts, 0-15 and 100 milliamperes. The A.C. scale are 0, 25, 50, 750 and 750 volts. Scales are clearly lithographed on all metal dials. No metal arching is required. Overloading of meter is prevented as far as possible by the double beam switches and single polar jacks for all ranges. *Ship. wt. 11 lbs.*

**Model 720** - List \$25.00  
Your Cost **\$14.70**

**MODEL 730 TESTER**

Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. *Ship. wt. 11 lbs.* List \$31.00  
**Model 730** - Your Cost **\$18.23**

- ✓ Removable Cover
- ✓ Choice of Meters
- ✓ Fully Equipped
- ✓ Reasonably Priced

# Readrite

These Readrite testers are very popular service instruments with the servicemen because they are in a very low price range. They are also popular because of the accuracy they afford in testing tubes and other electrical troubles. They are portable testers and are designed to measure all tube test results and in all of the dials and all of the new type tubes very quickly and accurately. The meters can be changed in two ways. One type uses Readrite instruments themselves and the other type uses a Triplett 1000-ohm per volt D.C. voltmeter. All instruments are very easy to operate and easy to read. The instruments are rugged in construction, and dependable for their service. Furnish every bearing required in the house on this shop.



**Model 710 Tester**

This model is similar to the 720 Tester except that it has three meters. The following scales are available: 0, 25, 50, 300, 600 volts D.C.; 0, 10, 100, 700 volts A.C.; 0, 15, 150 M.A. *Ship. wt. 1 lb.*

**Model 710** - List \$37.50  
Your Cost **\$16.17**

Model 712 Tester is similar to above except using a Triplett 1000-ohm per volt D.C. voltmeter. A 200-ohm direct scale reading ohmmeter when used with a 45-ohm battery. *Ship. wt. 11 lbs.*

**Model 710** - List \$37.00  
Your Cost **\$21.76**

**MODEL 610 TESTER**

Same as the Model 710 except that it is in a case that has space for carrying leads. *Ship. wt. 10 lbs.* List \$35.00  
**Model 610** - Your Cost **\$19.40**

Model 617, same as Model 610, with Triplett 1000-ohm per volt meter. **Model 617** - List \$42.50  
Your Cost **\$24.99**

**Tube Tester Model 410**



This practical tester checks all old and new tubes. This tester makes use of two plate current readings for determining the condition and worth of a tube. It is a true test.

Test procedure for all common tubes. Test card gives instructions for operating. Inexpensive and is completely portable. Meter with built-in scale is convenient for replacing tube. *Ship. wt. 11 lbs.* List \$27.50  
**Model 410** - Your Cost **\$16.17**

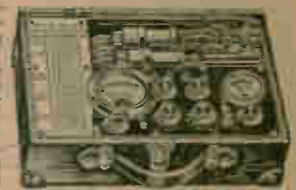
**Utility Tester Model 900**



This instrument is designed for servicing electric appliances. One set of terminals tests, over 1000 different loads and under 1000-volt conditions.

It has the following scales: A.C. voltmeter reading up to 250 volts; A.C. voltmeter reading up to 450 volts; and a complete built-in reading ohmmeter. *Ship. wt. 11 lbs.* List \$19.50  
**Model 900** - Your Cost **\$14.55**

**All Purpose Tester Model 1000**



This tester is popular with service men. The moving coil D.C. meter has milliamperes to 1000 and 10000 scales. The ranges are 0, 25, 500 and 5000 D.C.; 0, 10, 200 M.A. and 0, 200, 10,000, 100,000 Ohms. Resistance up to 1 megohm can be read with a 200-ohm battery. A.C. ranges are 0, 25, 50, 300, 600, 1000, 2000, 3000, 5000, 7500, 10,000, 20,000, 30,000, 50,000, 100,000, 200,000, 500,000, 1,000,000 Ohms. *Ship. wt. 11 lbs.* List \$39.50  
**Model 1000** - Your Cost **\$29.40**

The ranges are 0, 25, 500 and 5000 D.C.; 0, 10, 200 M.A. and 0, 200, 10,000, 100,000 Ohms. Resistance up to 1 megohm can be read with a 200-ohm battery. A.C. ranges are 0, 25, 50, 300, 600, 1000, 2000, 3000, 5000, 7500, 10,000, 20,000, 30,000, 50,000, 100,000, 200,000, 500,000, 1,000,000 Ohms. *Ship. wt. 11 lbs.* List \$39.50  
**Model 1000** - Your Cost **\$29.40**

**TUBE TESTER MODEL 416**

Same as Model 410, except meter is Triplett meter with a built-in ohmmeter. *Ship. wt. 11 lbs.* List \$35.75  
**Model 416** - Your Cost **\$21.02**

**NOTE**

Limitations in space prevent the listing of all Readrite test equipment. We can supply any Readrite instrument at the standard discount. Write for the new Readrite catalog.

**Model 1015** - List \$50.00  
Your Cost **\$29.40**



**Direct Reading Tube Testers No. 421**

These models are designed to test quickly and accurately all tubes. There are two models, a portable and a smaller type. These new Readrite testers have incorporated the best features. One large 3 1/2" Triplett moving coil instrument which reads 1000-ohm scale ranging directly to 100,000 ohms. *Ship. wt. 12 lbs.*

**Model 421** - List \$40.00  
Your Cost **\$23.52**

The portable type has a coil cover, with a built-in built-in scale. Has double wrap battery on side of case. *Ship. wt. 14 lbs.*

**Model 422** - List \$42.50  
Your Cost **\$24.99**



**All Wave OSCILLATOR MODELS 553-554-556**

An entirely new All Wave Oscillator that covers 121 frequencies from 110 K.C. to 15,000 K.C. Four distinct ranges and covers 10, 110, 100 K.C. and 1000-2000 K.C., 2000-20000 K.C. and 1000-15,000 K.C. All frequencies are accurately indicated on chart. Completely shielded and mechanical. *Ship. wt. 11 lbs.*

Model 553 is equipped with Readrite Output Meter and Model 554 with a Triplett Output Meter. *Ship. wt. 11 lbs.*

**Model 553** - List \$30.00  
Your Cost **\$17.64**

**Model 554** - List \$85.00  
Your Cost **\$20.58**

**Model 556** - List \$44.00  
Your Cost **\$25.87**



# Readrite



## PORTABLE TYPE METERS MODEL 85

These Readrite portable meters are made in a variety of ranges to take care of all service needs. The A. C. meters are of the repulsion type and may be used with accuracy for either A. C. or D. C. testing. Not to be confused with the ordinary vane type with its restricted application. The higher reading A. C. voltmeters have over 100 ohms per volt resistance. The D. C. voltmeters are of the polarized vane solenoid type and contain resistance up to 300 ohms per volt. All cases have highly polished nickel finish and are extremely attractive in appearance. Individually colored test leads equipped with phone tips are included.

### D. C. Voltmeters

(300 ohms per volt. 3" case)

Stock No.	Volts	List	Your Cost
XK11122	0-300	\$4.95	\$2.92
XK11123	0-500	6.25	3.68
XK11124	0-60/300	4.95	2.92
XK11125	0-750	7.25	4.26

### D. C. Milliammeters

XK11126	0-25	\$3.30	
XK11127	0-100	3.30	\$1.94
XK11128	0-200	3.30	
XK11129	0-400	3.30	

### D. C. Ammeters

XK11132	0-10	\$3.30	
XK11133	0-50	3.30	\$1.94

### A. C. Voltmeters

(100 ohms per volt)

Stock No.	Volts	List	Your Cost
XK11134	0-150	\$6.25	\$3.68
XK11135	0-300	7.25	4.26
XK11136	0-600	8.25	4.85
XK11137	0-750	9.50	5.59

### A. C. Milliammeters

XK11138	0-25	\$4.50	
XK11139	0-50	4.50	\$2.65
XK11141	0-250	4.50	
XK11142	0-500	4.50	

### A. C. Ammeters

XK11143	0-1	\$4.50	
XK11144	0-3	4.50	\$2.65
XK11146	0-10	4.50	
XK11147	0-50	5.00	2.94

## Output Meters



A practical instrument for measuring output of a radio set when used in conjunction with an oscillator for aligning R.F. and I.F. circuits. Contains copper oxide rectifier. Two ranges available: 0-5 volts for connection to voice coil, 0-50 volts for connection to plate of tube. Model 555 mounted on metal panel with jacks and test leads. Shpg. wt. 4 lbs.

**Your Cost**—  
Model 575, similar to above except in a round case with a pair of 36" spade terminal leads.

XK11038—  
XK11039—Your Cost

**\$4.27**

Model 575, similar to above except in a round case with a pair of 36" spade terminal leads.

XK11038—Your Cost

XK11039—Your Cost

XK11038—Your Cost

XK11039—Your Cost

# Readrite

## Panel Meters Model 55

A sturdy and reliable line of inexpensive Testing Instruments that is very popular with the Serviceman. Well made and attractively finished. Panel mounting type. Nickel plated bezels. White dials. Panel opening 2 1/4". Shpg. wt. 1 lb.



### Panel Type D. C. Milliammeters

Stock No.	M. A.	List	Your Cost
XK11100	0-10	\$2.00	\$1.18
XK11101	0-15	1.00	
XK11102	0-25	1.00	
XK11103	0-50	1.00	
XK11104	0-100	1.00	
XK11105	0-150	1.00	
XK11106	0-200	1.00	
XK11107	0-300	1.00	
XK11108	0-400	1.00	
XK11109	0-20/100	2.00	
XK11110	0-15/150	2.00	

### Panel Type D. C. Voltmeters

Stock No.	Range	Ohms	Your Cost
XK11051	0-1	30	
XK11052	0-3	175	
XK11053	0-5	410	
XK11054	0-6	550	
XK11055	0-8	850	
XK11056	0-10	1475	
XK11057	0-15	2914	
XK11059	0-25	1625	1.62
XK11060	0-25	7720	.59
XK11061	0-50	3250	1.94
XK11062	0-50	15440	.88
XK11063	0-100	6500	1.94
XK11064	0-100	30888	1.03
XK11065	0-150	9750	
XK11066	0-150	46320	\$1.94
XK11067	0-300	92640	\$2.65
XK11068	0-500	154400	
XK11069	0-60-300	92640	3.23
XK11070	0-750	231600	1.32
XK11071	0-8-160-850/16220		

### Panel Type D. C. Ammeters

Stock No.	Amps.	List	Your Cost
XK11091	0-1	\$1.00	
XK11092	0-3	1.00	
XK11093	0-5	1.00	
XK11094	0-10	1.00	
XK11095	1-0-1	1.00	
XK11096	3-0-3	1.00	
XK11097	6-0-6	1.00	
XK11098	10-0-10	1.00	
XK11099	20-0-20	1.00	

### Panel Type A. C. Voltmeters

Stock No.	Volts	List	Your Cost
XK11072	0-4	\$2.75	
XK11073	0-6	2.75	
XK11074	0-10	2.75	
XK11075	0-15	2.75	
XK11076	0-150	4.50	2.65
XK11077	0-300	5.50	3.23
XK11079	0-750	7.75	4.56
XK11080	0-10-140	4.50	2.65

### A. C. Ammeters

XK11081	0-1	\$2.75	
XK11082	0-3	2.75	
XK11083	0-5	2.75	
XK11084	0-10	2.75	
XK11085	0-50	3.25	1.94

### A. C. Milliammeters

XK11086	0-25	\$2.75	
XK11087	0-50	2.75	
XK11088	0-100	2.75	
XK11089	0-250	2.75	
XK11090	0-500	2.75	

Readrite D. C. panel meters may be obtained with zero adjustment. Additional cost 15c. Specify zero adjustment when ordering. No 2% Transportation Allowance on Readrite and Triplett.

## Direct Reading Ohmmeter

### Model 500



Mounted in seamless steel case 1 1/2" in diameter. Model 500 provides direct readings of ohms up to 10,000 and D. C. volts up to 4.5. Model 502 furnishes readings to 10,000 ohms on one scale and up to 40 ohms on second scale, for voice coils and shorted turns of I. F. transformers. Both are complete with a small 3 cell flashlight battery and leads. Shpg. wt. 2 lbs.

**Your Cost**—  
XK11020—\$6.50 List \$3.82

### Model 502

**Your Cost**—List \$6.50 \$4.56

### Model 506

Same style as above but with Triplett voltmeter 0-1 1/2" having resistance readings 60,000 and 500 ohms. Zero adjustment on front of meter. Scales are clear and accurate. **Your Cost**—List \$14.25 \$8.38

### Flanges



Black finish, 2 1/4" diameter. Fits Model 65 meter. Complete with hardware. **Your Cost**—\$9c



## Air Cell Tester Model 777

This new tester is a scientifically designed Readrite instrument. It is made for the checking of air-cell type or 2 volt batteries. It gives a true picture of the condition of the batteries. A very simple meter to operate as there are but only two leads in making connections. The meter is furnished complete

with full instructions and mounted in an attractive Model 85 black case with a pair of 36" spade terminal leads. **Your Cost**—\$1.62

XK11040—Model 777 Tester. Shpg. wt. 3 lbs. **Your Cost**—\$1.62

## Resonance Tuning Meters



High resistance type milliammeters used in the plate circuit in sets for visual tuning. Mounted in strong metal case. The circuit is brought to resonance when the needle swings to its furthest position. Scale and pointer behind glass covered opening. 6" cable leads and attachment studs and nuts supplied. **Your Cost**, **Any Type** Each—\$88c

Front or Bottom Illuminated Type Code TM103  
Stock No. Scale M. A. A.  
XK11182 0-10  
XK11183 0-15



Res Illuminated Translucent Dial Code TM102  
Stock No. Scale M. A. A.  
XK11186 0-10  
XK11187 0-15

No escutcheon included at the above price.

## Escutcheons as illustrated.

Edgewise Mount. Shadow Illum. Code TM108  
Stock No. Scale M. A. A.  
XK11190 0-10  
XK11191 0-15



Shadowgraph Code TM120  
Stock No. Scale M. A. A.  
XK11295 0-10  
XK11296 0-15



Edgewise Mount. Shadow Illum. Code TM108  
Stock No. Scale M. A. A.  
XK11190 0-10  
XK11191 0-15

## Resistance Meter Model 501



Same meter as used in the No. 500 instrument. Flange for panel mounting. Requires 3 small flashlight cells, which with resistance to be measured

are connected in series with meter. Used for testing resistance in radio sets and circuits. Extreme diameter, 2 1/2". Shpg. wt. 1 lb.

**Your Cost**—  
List \$2.75 **\$1.62**

**Your Cost**—  
List \$2.75 **\$1.03**

## Capacity Meter

### Model 800

Used for testing paper condensers only. The meter reads directly in microfarads .008 to 10. Two scales, upper, .008 to .25; lower, .1 to 10 mfd. Contains rheostat, switch test leads, and plug for A.C. 60 cycle connection. Metal case 4 1/2" in diameter, baked enamel finish. Full instructions and charts are furnished for testing from 10 to 400 henrys, and resistances of from 10 to 100,000 ohms. Shpg. wt. 2 lbs. **Your Cost**—List \$8.75 \$5.14

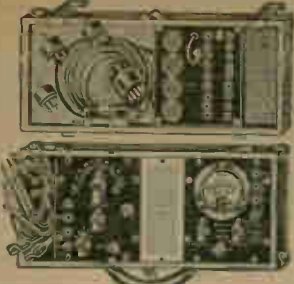


# TRIPLITT -- Quality Instruments at BARGAIN PRICES



## Portable Laboratory Model 1181

Our new Model 1181 is a meter with a 500 microampere movement, that provides voltage ranges on both A.C. and D.C. The meter can be used in the latest type permitting the accurate measurement of A.C. voltages. A double range double throw switch marked A.C.-D.C. enables the use of the meter either with pure D.C. or with A.C. with equal facility. The use of a rotary switch, the voltage ranges are available: 0-15-150-1500 volts A.C.; 0-1-15-150 D.C. milliamps; 0-15-150 A.C. milliamps; 0-1500-1,500,000-2,000,000 ohms. In addition to the universal meter is the Free-Point Auxiliary Set Tester that can be used to check all of the latest type tubes. The Model 1181 Oscillator incorporated in the instrument can be used with 100% modulation. There are four available ranges: 110-200 K.C., 200-300 K.C., 300-400 K.C. and 400-10,000 K.C.; the ranges being selected by a rotary switch. Oscillators with the wide range of frequencies are indispensable in the servicing of the present day all-wave receivers. Battery operation assures a completely shielded instrument, thus effectively preventing leakage through the power line to the receiver, which makes it difficult to obtain an accurate peak. All units mounted in an oak case with size 10 1/2 x 14 1/2 x 3 1/2. Shpg. wt. 19 lbs.



**\$37.24**  
Your Cost

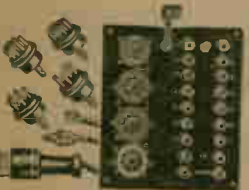
XJ11035  
Model 1181 Tester  
Your Cost

Model 11179 is the same as the Model 1181, except that the Model 1181 Oscillator is used. Shpg. wt. 19 lbs.  
XJ10470 Model 1179 Tester  
Your Cost

**\$33.97**



## Free-Point Auxiliary Set Tester No. 1166



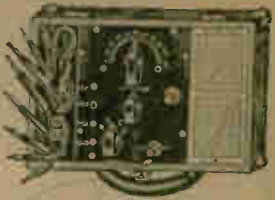
The No. 1166 brings all the set socket connections to each of the various tube elements through the side lead coils and plug. Four meters take care of all present day tubes. New sockets with shield connections are used to prevent any leakage of current at every stage used. By this method voltage, current, resistance, and continuity may be measured quickly and accurately without removing elements from cabinet. Shpg. wt. 1 lb.

XJ10477  
Your Cost **\$10.45**



## All-Wave Oscillator Model 1151

A well designed complete shielded All-Wave Oscillator. Tube screen controls the generation of either a modulated unmodulated or unmodulated signal of constant level. Its principal use is to align the R.F. stages, oscillator stages, and peak the I.F. stages. This Oscillator is a signal generator covering frequencies from 110 K.C. - 10,000 K.C. These frequencies are covered by an accurately divided scale. A rotary switch provides for the selection of the four modes. The oscillator shield and screen are grounded to ground and there is no radiation of signal other than through the output jacks. Attenuator is especially designed for both weak and sensitive radio receivers. Shpg. wt. 15 lb.



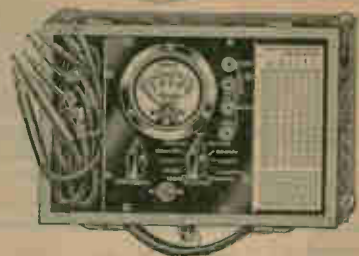
XJ10474 Triplet All-Wave Oscillator Model 1151 **\$22.86**  
Your Cost

No. 1153 Conventional Wave Oscillator same as above but covering frequencies of 110-1500 K.C. only.

XJ10476  
Your Cost **\$19.60**



## Universal Volt-Ohm Milliammeter Model 1125



As the best instrument to have in the busy of a radio servicing laboratory or as an instrument to take the place of an older one, no finer Universal Meter can be obtained at so low a cost. The meter itself has a 500 microampere movement and has the usual milliammeter scale which is only half as sensitive. The following ranges are available: A.C. and D.C. voltages of 0-15-150-750, D.C. milliamperes ranges are 0-15-150-750, A.C. Milliamperes 0-150-1.5 amperes-1 megohm. All ranges are readily selected by a switch.

Shpg. wt. 17 lbs.  
XJ10473 Model 1125 List **\$30.00**  
Your Cost **\$19.60**

Model 1187 is the same as the above except that it has in addition, the Model 1166 Auxiliary Tester. Shpg. wt. 17 lbs.

XK10999 Model 1187 List **\$37.50**  
Your Cost **\$24.50**



## 5" Case Mirror Scale Portable Meters



These bakelite cased, portable models in 5" cases are the only portable meters in the low price range that have **Knife-Edge Pointers and Mirror Scales.** The D.C. Ammeters and D.C. Milliammeters are equipped with self-contained shunts. Shpg. wt. 4 lbs.

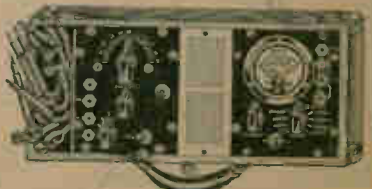
A.C. Voltmeters		D.C. Milliammeters	
Stock No.	Range	Stock No.	Range
XK11349	0-5	XK11363	0-1
XK11350	0-10	XK11364	0-5
XK11351	0-50	XK11365	0-50
XK11352	0-500	XK11366	0-250
<b>\$10.45</b>		<b>\$10.45</b>	
D.C. Voltmeters		D.C. Ammeters	
Stock No.	Range	Stock No.	Range
XK11353	0-10	XK11367	0-1
XK11354	0-50	XK11368	0-5
XK11355	0-100	XK11369	0-10
XK11356	0-500	<b>\$10.45</b>	
<b>\$10.45</b>		D.C. Microammeters	
		Stock No.	Range
		XK11370	0-200
		XK11371	0-500
		<b>\$12.42</b>	



## Perpetual Tester Model 1180

Oscillator and Universal Meter

The Perpetual Tester is a combination of No. 1151 All-Wave Oscillator and No. 1125 Universal Volt-Ohm Milliammeter in one case. The meter is built for lifetime use. It tests tubes and operating in the ordinary way by measuring the grid output. Tests set circuits and aligns tuning condensers. Fully meets every testing requirement in the home or shop. Its extreme versatility satisfies the most exacting needs of the professional serviceman. Ohmmeter reads up to 3 megohms. Furnished in a substantial oak case with a removable cover. Size 16 1/2 x 14 1/2 x 3 1/2. Shpg. wt. 20 lbs. List \$45.00



XJ10479 Your Cost **\$29.40**  
Model 1178 is the same as Model 1180, except with Model 1150 Oscillator. In an oak case and reading to 3 megohms. Shpg. wt. 20 lbs. List \$40.00  
XJ10480 Model 1178 List **\$26.13**  
Your Cost  
Model 1177, same as Model 1178, but in a leatherette case and reading up to 1.5 megohms. Shpg. wt. 20 lbs. List \$36.00.  
XK10998 Model 1177  
Your Cost **\$23.52**

### NOTE

There is no additional discount or transportation allowance on any Triplet instrument.

# TRIPLET NEW 1200 Series TRIPLET

## Model 1200 Dual-Meter Universal Tester

A new Dual-Meter Universal Test Instrument providing separate meters for both A. C. and D. C. measurements. In many instruments using a single meter the meter must be compensated in order to use it for both measurements thus considerably reducing the sensitivity. This disadvantage is therefore effectively overcome in this new Triplett tester by using two separate meter movements in a single case. The meter in this model may be tilted to any angle in direct line with the eye enabling the operator to accurately determine the correct reading on the meter and overcome parallax. The D. C. meter has a 500 microampere movement having an



accuracy of 2%. D. C. scales: 0-10-100-250-500 and 1000 V., 0-1-10, 100, 250, mills. 0-1500 ohms—1½ meg., and 3 megohms. A. C. scales: 0-10-100-250-500 and 1000 V. Only three jacks are used. Two for measuring all D. C. voltages, D. C. milliamperes, D. C. resistances, A. C. voltages and capacity. Third jack used when measuring output voltages, contains a blocking condenser. Shpg. wt. 14 lbs.

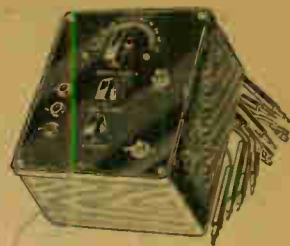
**XJ10468—\$21.24**  
Your Cost



## Model 1230 Signal Generator

The Model 1230 is a stabilized, all-wave continuously variable frequency generator, furnishing frequencies from 100 K. C. to 18,000 K. C., either modulated or unmodulated. The clear 400 cycle note is generated by a type '30 tube that is used. The second type '30 tube is used in the special frequency stabilized circuit to generate the radio frequency oscillation. A 22½ volt and three flashlight batteries furnish the very small amount of power required to operate the tubes. This permits the oscillator to be independent of line leakage. All individual parts such as batteries, coils, jacks are well shielded. The frequency ranges are controlled by the band switch and frequency control knob. Through the use of three output jacks and the attenuator the variation of attenuation is obtained. This type generator is used for determining frequency alignment, to furnish the signal for aligning all types of broadcast receivers. Shpg. wt. 15 lbs.

**XJ10469—\$15.02**  
Your Cost



## Model 1210 Tube Tester

This model is supplied in a separate metal case with a bakelite panel. An emission type tester, having only four sockets for all tubes. A 3½ d'Arsonval meter is used having a scale reading directly GOOD or BAD values of the tubes. Short and leakage tests of all tube elements. Shpg. wt. 18 lbs.

**XJ10448—\$19.60**  
Your Cost

Oak case for above. Shpg. wt. 3 lbs.

**XJ10449—\$3.92**  
Your Cost

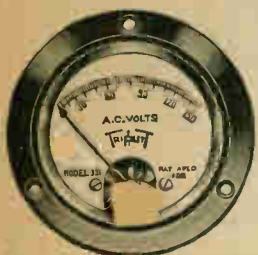


## Model 1220 Tester

This tester unit can be used with the Triplett Model 1200 or any other suitable unit, the Model 1220 enables the making of voltage tests between any tube elements including chassis, current tests in series with any tube elements or socket contacts including chassis.

The jacks are so arranged that the source of external voltage may be applied to any tube element, this permits testing of the characteristics of the latest tubes. Complete with 6 prong plug, 4, 5, large 7 prong, and small 7 prong adapters. Shpg. wt. 4 lbs.

**XJ10478—\$8.16**  
Your Cost



## Precision Meters

In the design of these moving coil instruments possessing the finest precision qualities, nothing has been spared to make them the leaders in the field. The finest materials; cases of 3" and 5" meters are of bakelite with all terminals moulded in and the bearings are genuine sapphire jewels mounted in adjustable screws. D. C. meters are of the d'Arsonval or moving coil type recognized as the most sensitive and accurate form of meter. A. C. meters are of the movable iron repulsion type giving a steady and accurate reading. Accuracy within 2%. Shipping weight for 2" and 3" meters is 2 lbs. and for the 5" meter 3 lbs.



D. C. Milliammeters				
D. C. M. A.	Stock No.	Your Cost	Stock No.	Your Cost
0-1	XK11200	\$4.58	XK11208	\$3.75
0-1.5	XK11201		XK11209	
0-10	XK11202		XK11210	
0-15	XK11203		XK11211	
0-50	XK11204	\$3.75	XK11212	\$2.94
0-100	XK11205		XK11213	
0-200	XK11206		XK11214	
0-500	XK11207		XK11215	

D. C. Ammeters (Self-Contained Shunts)				
D. C. Amps.	Stock No.	Your Cost	Stock No.	Your Cost
0-1	XK11216	\$3.75	XK11223	\$2.94
0-5	XK11217		XK11224	
0-10	XK11218		XK11225	
0-50	XK11219		XK11226	
30-0-30	XK11221		XK11228	

D. C. Voltmeters (125 Ohms per Volt)				
D. C. Volts	Stock No.	Your Cost	Stock No.	Your Cost
0-5	XK11230	\$3.75	XK11247	\$2.94
0-10	XK11231		XK11248	
0-15	XK11232		XK11249	
0-25	XK11233		XK11250	
0-50	XK11234	\$3.75	XK11251	\$2.94
0-150	XK11236		XK11253	
0-250	XK11237		XK11254	

Model 321 (1000 Ohms Per Volt)				
Stock No.	D. C. Volts	Your Cost	Stock No.	Your Cost
XK11240	0-10	\$5.39	XK11260	\$5.71
XK11241	0-50		XK11261	
XK11242	0-100	\$7.18	XK11262	10.46
XK11243	0-150		XK11263	
XK11244	0-500		XK11264	
XK11245	0-1000		XK11265	

Model 325 Portable D. C. Voltmeter (1000 Ohms Per Volt)				
Stock No.	D. C. Volts	Your Cost	Stock No.	Your Cost
XK11287	750-250-10	\$16.19		

A. C. Ammeters				
D. C. Amps.	Stock No.	Your Cost	Stock No.	Your Cost
0-1	XK11255	\$3.75	XK11260	\$2.94
0-3	XK11256		XK11261	
0-5	XK11257		XK11262	
0-10	XK11258		XK11263	
0-25	XK11259	4.58	XK11264	3.75

A. C. Voltmeters				
A. C. Volts	Stock No.	Your Cost	Stock No.	Your Cost
0-150	XK11279	4.58	XK11286	3.75

A. C. Voltmeters				
D. C. Volts	Stock No.	Your Cost	Stock No.	Your Cost
0-5	XK11273	\$3.75	XK11280	\$2.94
0-10	XK11274		XK11281	
0-15	XK11275		XK11282	
0-25	XK11276		XK11283	
0-50	XK11277	4.58	XK11284	3.75
0-150	XK11279		XK11286	

A. C. Voltmeters				
A. C. Volts	Stock No.	Your Cost	Stock No.	Your Cost
0-5	XK11273	\$3.75	XK11280	\$2.94
0-10	XK11274		XK11281	
0-15	XK11275		XK11282	
0-25	XK11276		XK11283	
0-50	XK11277	4.58	XK11284	3.75
0-150	XK11279		XK11286	

5" Meters					
D. C. Volts	Stock No.	Your Cost	D. C. Volts	Your Cost	
XK11311	0-150	\$11.76	XK11323	0-150	\$10.12
XK11312	0-300	12.58	XK11324	0-300	11.44

D. C. Voltmeters					
D. C. Volts	Stock No.	Your Cost	D. C. Volts	Your Cost	
XK11311	0-150	\$11.76	XK11323	0-150	\$10.12
XK11312	0-300	12.58	XK11324	0-300	11.44

D. C. Milliammeters					
D. C. Amps.	Stock No.	Your Cost	D. C. Amps.	Your Cost	
XK11313	0-1	\$9.80	XK11325	0-1	\$9.15
XK11314	0-5	\$9.15	XK11326	0-3	\$9.15
XK11315	0-50		XK11327	0-10	
XK11316	0-250		XK11327	0-10	

D. C. Microammeters					
D. C. Amps.	Stock No.	Your Cost	D. C. Amps.	Your Cost	
XK11317	0-200	\$12.42	XK11328	0-3	\$9.15
XK11318	0-500	11.09	XK11329	0-5	

A. C. Voltmeters					
D. C. Volts	Stock No.	Your Cost	D. C. Volts	Your Cost	
XK11319	0-5	\$9.15	XK11330	0-10	\$9.90
XK11320	0-10		XK11331	0-50	
XK11321	0-50		XK11332	0-100	\$9.15
XK11322	0-300	12.09	XK11333	0-500	

**NOTE**  
We can supply any Triplett instruments that are not listed above. Prices quoted on request.

Every Day is BARGAIN DAY at Wholesale Radio Service Co. Inc.

# SUPREME *Testing*

## Model 333 Standard Analyzer



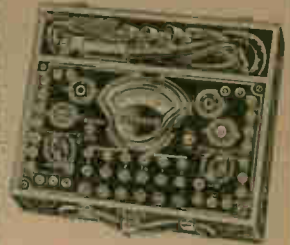
This is an analyzer Model 333 designed for the general laboratory and field use. It features a wide range of measurements with a single control knob. The main range is from 0 to 1000 microvolts. This is a constant 1000 microvolts. It is a combination of a shielded oscillator, amplifier, and a meter. It is designed for the measurement of resistance, voltage, and current. All other ranges, including millivolts and volts, are obtained by changing the range switch on the analyzer side. It is necessary to remove the covers of the analyzer to obtain the results for positive and negative.

It is possible to obtain results in the range of 0 to 1000 microvolts with a single 1000 microvolt range switch. The 1000 microvolt range switch is controlled by a rotary switch on the analyzer side. The power output tube socket and a switch for constant load. Meter ranges: 0-1000 microvolts, 0-1000 millivolts, 0-1000 volts, 0-1000 ohms, 0-1000 ohms, 0-1000 ohms, 0-1000 ohms. The low range of 0-1000 microvolts is very useful for all common testing in the laboratory and field. The 1000 microvolt range is particularly useful for testing resistors. A variable shunt adjustment is provided for testing resistors. A variable shunt adjustment is provided for testing resistors. A variable shunt adjustment is provided for testing resistors.

XJ10875  
Your Cost

\$29.35

## Model 333 DeLuxe Analyzer



This new DeLuxe analyzer uses the same 20" model in a polished cabinet. The new and improved design of this meter in addition to the "big" range of 0-1000 microvolts is a "big" range of 0-1000 millivolts. It is a combination of a shielded oscillator, amplifier, and a meter. It is designed for the measurement of resistance, voltage, and current. All other ranges, including millivolts and volts, are obtained by changing the range switch on the analyzer side. It is necessary to remove the covers of the analyzer to obtain the results for positive and negative.

XJ10877  
Your Cost

\$39.15

## Model 91 Analyzer



Essentially the same as the analyzer used in the AAA diagnostic circuit, this is the new Supreme 91. It is designed for the measurement of resistance, voltage, and current. All other ranges, including millivolts and volts, are obtained by changing the range switch on the analyzer side. It is necessary to remove the covers of the analyzer to obtain the results for positive and negative.

See also: 0-25-10-5-100-20 A.C. in D.C. millivolts; 0-25-10-20-100-1000 A.C. in D.C. volts; 0-1000-10000-100000 ohms with self-contained battery; 0-10-100-1000 microvolts. Capacity calibrated at 1000 microfarads. It is also made in a case with cover. Ship. wt. 12 lbs.

XJ10979 Model 91 Analyzer  
Your Cost

\$58.75

## Model 180 Multiwave Signal Generator—90-25,000 K.C.



The Signal Generator is a complete instrument using a vacuum-tube modulated stage which maintains the carrier frequency at approximately 100 to 200 cycles. Current range is 0-1000 microvolts, 0-1000 millivolts, 0-1000 volts, 0-1000 ohms, 0-1000 ohms, 0-1000 ohms. The low range of 0-1000 microvolts is very useful for all common testing in the laboratory and field. The 1000 microvolt range is particularly useful for testing resistors. A variable shunt adjustment is provided for testing resistors.

XJ10878 Model 180 Multiwave Signal Generator  
Your Cost

\$58.75

## New 1934 Standard Diagonometer



Combined TUBE TESTER, OHM and MEGOHMMETER; SHIELDED OSCILLATOR, CAPACITY METER, and the NEW FREE REFERENCE POINT SYSTEM ANALYZER. The best and most complete testing instrument ever made by the Supreme Instrument Co. in the field. Supreme Multi-meter circuit uses the new full wave rectifying method.

See also: 0-25-10-5-100-20 A.C. in D.C. millivolts; 0-25-10-20-100-1000 A.C. in D.C. volts; 0-1000-10000-100000 ohms with self-contained battery; 0-10-100-1000 microvolts. Capacity calibrated at 1000 microfarads. It is also made in a case with cover. Ship. wt. 29 lbs.

XK10957 Standard Diagonometer  
Your Cost

\$97.95

## 5" D'Arsonval Meter Model 310 Meter



The new D'Arsonval Meter Model 310, with an 8-1 millimeter movement, is a 5" D'Arsonval meter, especially designed and built for universal application in radio testing equipment. The meter moves over a range which is from 250 to 1000 microvolts. The meter scale has ranges of 0-25-100-1000 microvolts and 0-25-100-1000 millivolts. The full-scale deflection is provided for each range.

See also: 0-25-10-5-100-20 A.C. in D.C. millivolts; 0-25-10-20-100-1000 A.C. in D.C. volts; 0-1000-10000-100000 ohms with self-contained battery; 0-10-100-1000 microvolts. Capacity calibrated at 1000 microfarads. It is also made in a case with cover. Ship. wt. 29 lbs.

XJ10901 Model 310 Meter  
Your Cost

\$6.25

\$2.75

### NOTE

We carry a complete stock of all Supreme Instruments. Write for free Catalog describing and quoting prices on all Supreme models. Descriptions are much more complete than those given here due to limited space. Also quotes prices for modernizing your old Analyzer into a new Supreme model.

# Equipment



## SUPREME Model 85 Tube Tester

A complete portable Tube Tester that not only checks tubes for mutual conductance (the commonly used method) but also for leakages. Many tubes, that check good on an ordinary tube checker, have high resistance leaks between elements. These leaks effectively shunt the input and output circuits of the tube and reduce the volume considerably. The new model Supreme Tube Checker immediately indicates tubes having these faults and in addition makes all the commonly used tests for mutual conductance, shorts between elements, presence of gas, etc. Operation is extremely simple so that even an inexperienced store clerk can readily check any type of tube quickly and accurately. A single large open faced meter is used for both checking of line voltage and for indicating tube condition as either good—bad—or doubtful. Encased in a beautifully finished hardwood carrying case with detachable cover so that the instrument may be used for portable or counter use.

Shpg. wt. 15 lbs.  
**XK10996—Supreme Model 85 Portable**  
**Your Cost**.....

**\$39.15**



## Counter Model

Essentially the same instrument as the above but mounted in an attractive walnut case especially designed for use on the counter in stores, or on the bench in the laboratory. Panel is mounted at an angle for easy operation and to permit customer seeing the test made on each of his tubes. This instrument will help you sell tubes.

Shpg. wt. 22 lbs.  
**XK10994**  
**Your Cost**.....

**\$39.15**



## Model 61 All-Wave Oscillator

This new oscillator is designed to cover all frequencies from 100 K.C. to 21,000 K.C. It utilizes the low fundamental tuning range of approximately 100 to 250 K.C. with harmonic signals to 2100 K.C. and a high fundamental tuning range from approximately 200 K.C. to 250 K.C. Harmonic signals to 21,000 K.C. The use of the harmonic tuning principle assures unusually sharp tuning for all adjustments. Using only the fourth harmonic of the 5250 K.C. fundamental, it is readily seen that a very strong signal is provided as high as 21,000 K.C. Tuning is by means of a precision dial with a self-adjusting index. Each oscillator is laboratory calibrated and supplied with a hand-drawn tuning chart drawn to an accuracy of 1/2 of 1%. Fixed attenuation assures frequency stability. Uses 1 type 31 tube. Tube used in calibration supplied with each instrument. The power is supplied through a self-contained stepdown transformer.

Oscillator is completely shielded in a cast aluminum case with a bakelite covered aluminum panel and mounted in a beautifully finished hardwood case with a leather handle. A shielded ar antenna and ground cable is supplied with each instrument. Shpg. wt. 17 lbs.

**XK10993**

**Your Cost**.....

**\$24.45**



## Tube Tester Model 35

In speed of operation and accuracy of test this new checker is a remarkable value at this low price. Indicates the true condition of all tubes in terms of "good" or "bad" based on accurate calibration. Line voltage adjustment from 98 to 125 volts. Indicates short-circuited conditions between all elements of all tubes. It is equipped with the new Supreme 5" meter. The entire

assembly is enclosed in a quartered white oak carrying case.

Shpg. wt. 17 lbs.

**XK10992**

**Your Cost**.....

**\$29.35**



## WESTON Photronic Cell

Delivers an electric current when exposed to light. Current varies with light intensity from 1 microamp. on 1 foot candle to approximately 5 mills. in daylight. Bakelite case 2 1/4" in diameter, 1" thick. Shpg. wt. 1 lb.

**XN14139**  
**Your Cost Each**.....

**\$7.35**

## RCA 868 Photo-Cell

Caesium type. Operates on 90 V. 4 1/4" long and 1 1/4" diameter.

UX Base.  
**XV19132**  
**Your Cost**.....

**\$4.50**



## CATHODE RAY OSCILLOGRAPH By Standard Instruments

A complete A.C. operated Cathode Ray Oscillograph designed for Broadcast Engineers, Sound Laboratories and Amateurs. It will check harmonic content over the entire audio range. Will check percentage modulation of radio frequency transmitters. It can also be used for locating regenerative, oscillatory or blocking conditions in audio amplifiers, etc.

It incorporates: linear sweep over entire audio range, positive frequency locking control, provision for external sweep, complete shielding—all aluminum, cathode ray tube shielded with seamless cylindrical magnetic tube, variable shadow box for use in broad daylight, continuously variable high voltage, automatic power shutoff control, double fused line, and accurate meter measurements for control of D.C. voltage and sensitivity. Uses 1-906, 1-885, 1-6D6 and 2-5Z3 tubes. Shpg. wt. 25 lbs. List \$200.00

**XN13990—Cathode Ray Oscillograph, less tubes** **\$120.00**  
**Your Cost**..... **\$21.89**

Complete set of tubes for above



## CETRON Photo-Cells

The Cetron Photo Electric Cell is the latest development in photo-cell manufacture. It is a product of years of development and the organization employed in its manufacture has made thousands of electronic devices per day for fifteen years. They have greater sensitivity and longer life and are used as standard equipment by many manufacturers of talking picture equipment.

**Type CE1—Caesium cell used in RCA Photophone, QRS DeVry, Sonofilm, Guthrie Sound Equipment, etc.** 3" x 1 1/2" d.

**Your Cost**..... **\$7.50**

**Type CE7—Caesium Cell used in Theater Equipment, Electric Eye, etc.** 4x1 1/2" d.

**Your Cost**..... **\$7.50**



## PESE Photo-Electric Cell and Supersensitive Relay



A photo-conductive type cell that varies its resistance from dark to bright light at a ratio of approximately 18 to 1. Will pass 150 microamperes at 90 volts. This is sufficient current to operate moving coil type relays without amplification. Better results are obtained when used with a single stage

of amplification. Although suitable for many small industrial applications, these units are designed expressly for experimental use. Relay is sensitive enough to operate with as little as 1 milliamperere. Secondary contacts will handle up to 1 ampere. 3000 ohms D.C. resistance, other resistances available. An extremely interesting and valuable booklet giving complete profusely illustrated instructions for using this cell in experimental and commercial circuit applications is included with each unit. Shpg. wt. 2 lbs. each.

**XN14187—Pese Photo-Electric Cell** **\$1.50**  
**Your Cost**.....

**XN14188—Pese Supersensitive Relay** **\$3.00**  
**Your Cost**.....



## RHAMSTINE "Electric Eye"

When used in conjunction with suitable "Light Source" (such as one below), the "Eye" may be used as counter, sorter, checker, in alarm systems, window displays, and many other industrial and experimental uses. Consists of a Caesium cell, a heavy duty relay which handles up to 100 watts on its contacts, and an amplifying tube. Housed in metal case with sliding back, size 5x6 1/2x5 1/2. Shpg. wt. 6 lbs.

**XN14140—Complete "Electric Eye"** **\$14.10**  
**Your Cost**.....

## Light Source

Built to match the "Electric Eye." Consists of a light bulb transformer and magnifying lens, housed in a metal cabinet 5x6 1/2x4 1/2" overall. Light bulb is adjustable for focus. For use in 110 volts A.C. Comes complete with line cord and plug. Shpg. wt. 6 lbs.

**XN14141—Your Cost**..... **\$6.45**



Model 665-6 Selective Analyzer



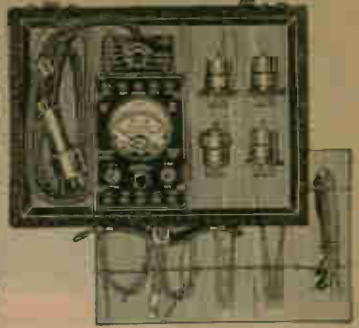
This model analyzer consists of two units. One, the analyzer proper, which is a Model 645 Type 2 "Pro Jack Model" consisting of a series of plug-in units for the selection of ranges. It has the following ranges: A.C. and I.C. volt: 1,000, 500, 250, 100, 50, 25, 10, 5, 2.5, 1; with a sensitivity of 1,000 ohms per volt. The current ranges are: 1,000, 500, 250, 100, 50, 25, 10, 5, 2.5, 1 milliamperes D.C. only. Indicator readings may be made from 1 ohm to 1 megohm. The unit has a grid test, including both high and low grid tubes, and is made on the unit. The A.C. range, for ordinary A.C. measurements as well as for output readings, are obtained through the use of a series-circuit full-wave bridge-type rectifier. The other unit is the Model 665 Type 1 A Selective Selector consisting of a rotary plug which is mounted on a tube socket in the selector block. The selector terminals connected to the plug will allow the user to select any one of the 600 plug-in units provided for the unit and connect it to the circuit. All jacks are in duplicate except for the filament circuit. The unit is complete with 7-year plug-in, 5, 5, and 100 7-pin sockets.



- XJ10519 - Model 665 Analyzer Model 665; Type 2, low range. \$40.42
- Spec. wt. 1 lb. Net \$55.00. Your Cost
- XJ10518 - Same as Model 665, Type 1-A. \$11.03
- Spec. wt. 3 lb. Net \$15.00. Your Cost
- XJ10519 - Pair of Carrying Cases for use with either. \$0.16
- Your Cost, Per Pair
- Model 666 Type 2 Condenser Unit
- Similar in appearance to Model 665, 2 A Indicator Unit. Used to test capacitors with Model 665, Type 1 or 2 Analyzers. Shpg. wt. 2 lbs.
- XJ10543 - Unit \$10.50. Your Cost \$7.72
- Model 665, Type 1 Analyzer
- Similar to Model 665, Type 2 Analyzer, except with rotary switch in place of plug-in. Shpg. wt. 3 lbs.
- XJ10549 - Unit \$70.00. Your Cost \$51.5

The Selective Set Servicer

Model 698



The Selective Set Servicer has incorporated the Weston Model 698 V-I-Ohm-Meter, equipped with a Model 698 instrument, a Model 698 Type A Selective Selector and a Model 698 Type 1 A Selective Set Servicer. The meter ranges are: 750, 150, 15, 1.5 volts A.C. and D.C. 20, 2, 0.2, 0.02 milliamperes D.C. only. Indicator readings may be made from 1 ohm to 1 megohm. (Ohm readings may be increased to 10 megohms by increasing the voltage range and the ohm multiplier to 1 megohm, with external batteries included with this meter.) 750 milliamperes D.C. only. Voltage, current, resistance and continuity measurements may be made in any order. Ohm readings are obtained through a series circuit with a quality instrument as a standard meter. The instrument is mounted in a Model 698 and is completely tested, not only in operation, but also in satisfaction and service. Complete with carrying case and tube base chart.

XJ10545 - Model 698 Selective Set Servicer. \$33.80

Your Cost

CARRYING CASES

FOR SINGLE AND MULTIPLE UNITS

Single unit cases are available for individual units with a space for test leads and test equipment.

XJ10574 - Single Unit Case. Specify type unit case to be used. \$3.67

Your Cost

Multiple unit cases are available for carrying five units with a space for test leads and tools.

XJ10575 - Multiple Unit Case. \$11.03

Your Cost

Model 694 Oscillator



This oscillator, having many improvements in design, gives a clear, sharp signal with approximately 50% modulation on all bands. It is tuned to frequency sets, as well as in the radio frequency ranges of a superheterodyne circuit. The R.F., I.F., oscillator and detector circuits are easily and simply changed by means of a specially designed R.F. signal, controlled as to intensity and frequency. It can be used as a test or a substitute, as controlled by a crystal circuit. This oscillator is operated in manual and covers a frequency range of 100 K.C. to 2000 K.C. It is a general purpose instrument. By using harmonics of these fundamental, it is possible to go up to 22 megacycles. The signal can be through a low and high output jack. It is controlled by the attenuator and has a variable attenuation from a very high maximum to a minimum of well below 1 microvolt.

XJ10587 - Model 694, low case. Shpg. wt. 1 lb. \$39.45

Your Cost

Model 663 Volt-Ohmmeter

This voltmeter has a 50-microampere movement. It is connected into the circuit either by means of a multi-throw switch which selects the desired range of the 100-ohm or 1,000-ohm ranges, or as a milliammeter or voltmeter for D.C., resistance and other measurements. The scale of the indicating instrument is marked 0-1,000 ohms, 0-2.5, 0-5, 0-10, 0-25, 0-50, 0-100, 0-200, 0-500, 0-1,000, 0-2,000, 0-5,000, 0-10,000, 0-20,000, 0-50,000, 0-100,000, 0-200,000, 0-500,000, 0-1,000,000 ohms full scale; 0-2, 5, 10, 100, 250, 500, 1,000 volts, 1,000 ohms per volt; 0-1, 5, 25, 100 milliamperes full scale at about 50 M.V.

XJ10569 - Model 663 Volt-Ohmmeter. Shpg. wt. 8 lbs. \$44.10

Your Cost, Less Case

Model 664 Capacity Meter

This instrument with a wide range of capacity and A.C. voltage measurements. It ranges: 1 Microfarad: 10, 200, 1, 20, 100, 1,000, 10,000, 100,000, 1,000,000, 800 A.C., 1,000 ohms per volt. It is connected with the Model 663 Volt-Ohmmeter. A main switch selects capacity or voltage ranges. Power supply is from a self-contained transformer operating from any 60-cycle, 115 to 130-volt line through a voltage adjuster. This model is complete with test leads and manual.

XJ10472 - Model 664 Capacity Meter. Shpg. wt. 9 lbs. \$40.42

Your Cost, Less Case

Model 564 Volt-Ohmmeter



A small compact V-I-Ohmmeter with ranges of 0-1, 10, 100, 1,000 volts and 0-1,000 ohms. Supplied with self-contained battery and 50 test leads. A control is provided to compensate for drop in battery voltage. Test leads switch select ohmmeter ranges and change meter for volt or ohm readings. Available in ranges 0-1, 10, 100, 1,000 volts. Shpg. wt. 3 lbs.

XJ10554 - Model 564 Volt-Ohmmeter, Type 3A. \$22.05

Your Cost

XJ10580 - Same, with 1 Mg. range added. \$22.16

Your Cost

Model 571 Output Meter

A 100-microampere slide-recess type movement with a scale range of 15, 60, 150, 6 and 1.5 volts are brought out to pin terminals through a dial switch. A self-contained resistor for blocking any D.C. component is brought out to a separate pin jack for use when desired. Provided with long test leads with clips for convenience in making voltage coil and an adapter for connections at the Data Sheet. Shpg. wt. 1 lb.

XJ10553 - Your Cost \$22.05

Model 695 Power Line and Voltmeter

This instrument was designed for power measurement work in servicing all types of sound equipment and radio receivers whose readings are desired in decibels. The meter is for a 500 ohm load. The voltmeter has the following ranges: 15, 15, 60, 150 volts. The D.B. scales on the meter are: -10, -0, +6 Db. A special T. P. pad with eleven positions shows a maximum range of -18 to +38 Db. or a spread of 56 Db. Shpg. wt. 6 lbs.

XJ10594 - Model 695 Power Line and Voltmeter. \$26.46

Your Cost

NOTE: We can supply special slow or high speed models. Prices on request.

NOTE

We can supply any Weston instrument not shown, at a discount of 25% and 20%. Write for new Complete Weston catalog.

# Meters **WESTON** Analyzers

THE STANDARD OF COMPARISON



**Model 301  
D. C. Instruments**

Permanent magnet moving coil type. Accurate within 2%. They are supplied as Voltmeters, Volt-Ohmmeters, Ammeters, Milliampmeters and Microammeters. Weight approximately 8 ounces.

**Model 301  
D. C. Voltmeters**

Approximate resistance in ohms per volt: 1 to 40 volts, 62; 60 to 150 volts, 200; 200 volts, 250 volts, 300; 300-500 volts, 666; 600 to 2000 volts, 66; above 2000 volts, 100. Extreme width 3 1/4". Diameter of barrel 2 3/8".

Stock No.	Range	List Price	Your Cost
XJ10603	3	\$9.00	
XJ10604	5	9.00	
XJ10606	8	9.00	
XJ10607	10	9.00	
XJ10608	15	9.00	
XJ10615	150	11.25	8.27
XJ10618	300	16.50	12.12
XJ10619	500	19.50	14.33
XJ10620	1000*	28.50	20.94
XJ10622	2000*	45.00	33.07

\* Supplied with external resistor.

**MODELS 301  
D. C. AMMETERS**

Stock No.	Range	List Price	Your Cost
XJ10630	1	\$9.00	
XJ10635	5	9.00	
XJ10637	10	9.00	
XJ10638	15	9.00	
XJ10639	20	9.00	
XJ10640	30	9.00	

**\$6.61**

**D. C. Milliammeters**

Stock No.	Range	List Price	Your Cost
XJ10675	1	\$10.00	
XJ10676	1.5	10.00	
XJ10677	2	10.00	
XJ10678	3	10.00	
XJ10679	5	9.00	
XJ10680	10	9.00	
XJ10681	15	9.00	
XJ10683	25	9.00	
XJ10684	30	9.00	
XJ10685	50	9.00	
XJ10686	100	9.00	
XJ10687	150	9.00	
XJ10688	200	9.00	
XJ10689	250	9.00	
XJ10690	300	9.00	
XJ10691	500	9.00	
XJ10694	150/15*	14.00	
XJ10695	150/30*	14.00	

\* Three binding post type self-contained.

**7.35**

**Micro-Ammeters**

Stock No.	Range	List Price	Your Cost
XJ10701	200*	\$14.25	
XJ10720	600*	14.25	

\* These instruments are adjusted to use in horizontal or 45° position.

**10.48**

**Ohmmeters**

Stock No.	Ohms	Res. Ohms	Your Cost
XJ10627	0-100,000	1000	
XJ10628	0-500,000	1000	

**9.92**

**MODELS 476  
A. C. VOLTMETERS**

Movable iron type for A. C. only. They are accurate within 2%. Stock Approx. Ohms No. Volts per Volt

Stock No.	Approx. Ohms	Volts per Volt	Your Cost
XJ10746	1.5	3	
XJ10747	2	4	
XJ10748	3	6	
XJ10749	5	10	
XJ10750	8	10.5	
XJ10751	10	14	
XJ10752	15	14	
XJ10753	20	26.3	
XJ10754	25	26	
XJ10755	30	26.3	
XJ10756	50	52	
XJ10758	150	105	
XJ10760	300	167	
XJ10762	500	167	

**\$6.61**

**Model 476  
A. C. Ammeters**

Stock No.	Amps.	Approx. Total Res.	Your Cost
XJ10775	1	.2030	
XJ10776	1.5	.082	
XJ10777	2	.05	
XJ10778	3	.024	
XJ10779	5	.010	
XJ10780	10	.0058	
XJ10781	15	.00219	
XJ10782	20	.00162	
XJ10783	30	.00070	
XJ10784	50	.00057	

**6.61**

**Model 476  
Milliammeters**

Stock No.	Milli-Amps.	Approx. Total Res.	Your Cost
XJ10785	15	2000	
XJ10786	25	690	
XJ10787	50	175	
XJ10788	100	28	
XJ10789	250	4.7	
XJ10790	500	1.1	

**6.61**



**Model 506  
D. C. Voltmeters**

Stock No.	Volts	List Price	Your Cost
XJ10799	10	\$7.50	\$5.51
XJ10801	50	7.50	
XJ10802	100	8.50	6.24

**Model 506  
D. C. Milliammeters**

Stock No.	M. A.	List Price	Your Cost
XJ10817	1	\$8.50	\$6.24
XJ10820	5	7.50	
XJ10821	10	7.50	
XJ10822	15	7.50	
XJ10824	50	7.50	
XJ10825	100	7.50	\$5.51
XJ10826	150	7.50	
XJ10828	300	7.50	
XJ10829	500	7.50	

**Model 506  
Ammeter**

Stock No.	Amps.	List Price	Your Cost
XJ10816	10	\$7.50	\$5.51

**Model 517  
A. C. Voltmeters**

Movable iron type for A. C. only. Accurate within 2%.

Stock No.	Volts	List Price	Your Cost
XJ10844	3	\$7.50	
XJ10845	5	7.50	
XJ10846	10	7.50	
XJ10847	15	7.50	\$5.51
XJ10848	25	7.50	
XJ10849	50	7.50	
XJ10851	150	9.75	7.16
XJ10853	300	15.00	11.00

**Resistance 1000 Ohms per Volt**

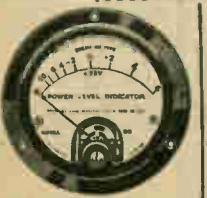
Stock No.	Range	List Price	Your Cost
XJ10659	150	\$14.00	\$10.29
XJ10662	500	17.25	12.67
XJ10664	200/8*	15.00	11.02

**NOTE**

Metal cased meters are supplied as regular stock items unless bakelite cases are specified. We can supply any instrument not shown in the listing. Write for new Weston catalog which describes many new precision meters.

**Thermo-Couple  
Radiation  
Meters**

These type thermo-couple meters are most accurate for checking the antenna currents of transmitters.



3 1/4" Model Stock No.	2" Model Stock No.	Amp.
XJ10730	XJ10719	1.0
XJ10731	XJ10724	1.5
XJ10732	XJ10726	2.0
XJ10733	XJ10727	2.5
XJ10734	XJ10728	3.0
XJ10736	XJ10729	5.0

Model 425—3 1/4"  
Your Cost, Any Type **\$11.76**  
Model 507—2"  
Your Cost, Any Type **\$10.65**

**Power Level Indicator  
Model 301**

This bakelite cased meter indicates directly the relative strength of a given signal to a standard reference signal of 6 milliwatts in a 500 ohm load. Self-contained rectifier type, having a scale reading in D.B.—10-0-6 D.B. The instrument alone has a resistance of 5,000 ohms. Shpg. wt. 2 lbs. XJ10593 Model 301  
Your Cost. **\$14.70**



**Special 0-1 Mill. Meter**

Type 301. Adjusted to 1 milliampere at 50 M.V. Has scale with following ranges: 0-50-250-1000 volts; 0-100,000 ohms. Designed for those wishing to construct their own volt-ohmmeters. No resistors with meter. Shpg. wt. 3 lbs. List \$10.00  
XJ10772—Your Cost. **\$7.35**

**Resistors and Shunts**



Resistors are accurate to within 1/2 of 1%.

Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
XH10174	500		XH10183	60,000	\$1.11
XH10175	1,000		XH10184	75,000	1.25
XH10176	4,950		XH10185	100,000	1.40
XH10177	5,000		XH10186	150,000	1.55
XH10178	10,000		XH10187	200,000	1.84
XH10179	25,000		XH10188	250,000	1.99
XH10180	30,000		XH10189	300,000	2.14
XH10181	40,000		XH10190	400,000	2.31
XH10182	50,000		XH10191	500,000	2.50

27 M.V. SHUNTS			RESISTORS		
Stock No.	M.A.	Your Cost	Stock No.	Res. Ohms	Your Cost
XH10192	2.5		XH10197	1	
XH10193	25		XH10198	2	
XH10194	100		XH10199	10	
XH10195	250				
XH10196	500				

**92c**

**Model 682 Tube Checker**

Portable or Counter Types



This new Weston Tube Tester will check all types of tubes in use today and in addition, spare sockets are provided to take care of new types that may be developed. The meter scale is of the direct reading type so that your customer is readily convinced that his tubes require replacing because he can actually read the test himself and does not have to rely upon the word of a clerk. All of the modern checks are made—short test for shorts between elements—cathode leakage test, etc. When you check a tube in this tester you know whether it is good or bad.

**CHECKS INDIVIDUAL PLATES**

Individual diode plates and rectifier plates can be checked so that if only one is weak it can readily be ascertained. A line voltage regulator is included to compensate for variations in the current supply voltage. The case for counter display use holds the tester at an "easy reading" angle. Attractively finished in two shades of fawn with a silver edging.

This checker is in two types. Type-1 portable is in a leatherette carrying case and Type-2 is a counter model in a walnut case. Both are complete with instruction. Shpg. wt. 14 lbs.  
XJ10867—Type 1  
XJ10864—Type 2  
Your Cost, Either Type **\$28.66**



# METER ACCESSORIES

## "Van" A. C. and D. C. Shunts and Multipliers

Accuracy Limits 2%

5,000 Ohms  
**VAN**

Stock No.	Ohms	List Price	Your Cost
XK10937	3,000	1.00	
XK10925	4,950	1.00	
XK10926	5,000	1.00	
XK10938	8,000	1.00	
XK10927	10,000	1.00	
XK10939	30,000	1.00	
XK10928	40,000	1.25	
XK10929	45,000	1.25	
XK10930	50,000	1.25	
XK10944	60,000	1.25	
XK10931	95,000	1.50	
XK10932	100,000	1.50	
XK10945	150,000	1.50	
XK10933	225,000	2.00	
XK10934	250,000	2.00	
XK10974	300,000	2.00	
XK10935	500,000	3.00	
XK10936	1,000,000	3.50	

**58¢**

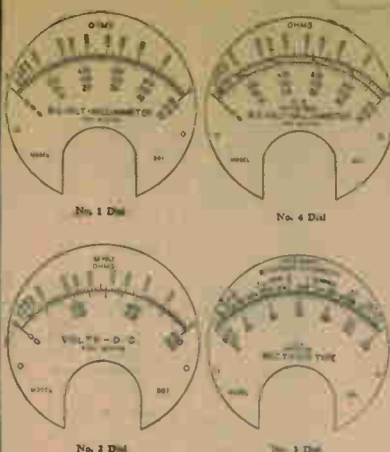
**73¢**

**88¢**

**\$1.18**

**\$1.76**  
**2.06**

## Silver Plated Metal Meter Dials



Metal dials, heavily silver plated, with scales etched on in black. Will last indefinitely. For use with Jewell, Weston and Beede meters. Specify type of meter when ordering.

XK10946 Dial No. 1. XK10948—Dial No. 3.  
XK10947 Dial No. 2. XK10949—Dial No. 4.  
List Price, Each \$0.75.  
Your Cost Each

**45¢**

## Special VAN Multipliers for 1000 Ohm Copper Oxide Rectifiers

Measurements are calibrated at half scale on a 1 Mil. 50 M. V. Weston 301 meter. 50-volt and over ranges are read on the regular D. C. scale. Ranges of 5 and 10 volts require the correction markings as used on the A. C. scale of the No. 4 VAN Dial.

Stock No.	Range	Resist. Ohms	Your Cost
XK10905	5 V.	3,200	
XK10906	10 V.	7,500	
XK10907	50 V.	41,000	\$0.73
XK10908	100 V.	84,000	0.88
XK10909	250 V.	212,000	1.18
XK10917	500 V.	425,000	1.47

**58¢**

**\$0.73**

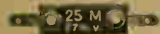
**0.88**

**1.18**

**1.47**

For 1,000 V. scale use two Cat. No. XK10917 resistors in series.

## Multiple Shunts



For 1. Mil. D. C. Model 301, 27 M. V.  
Your Cost.. **88¢**

Stock No.	Milli-amps.	Stock No.	Milli-amps.
XK10910	6	XK10913	50
XK10911	10	XK10914	100
XK10912	25	XK10915	500

## For Triplett Meters, 30 M. V.

Each, Your Cost **88¢**

Stock No.	Milli-amps.	Stock No.	Milli-amps.
XK10960	5	XK10963	50
XK10961	10	XK10964	100
XK10962	25	XK10965	500

## For Weston 301 and Beede 50 M. V. Meters

Each, Your Cost **88¢**

Stock No.	Milli-amps.	Stock No.	Milli-amps.
XK10918	5	XK10921	50
XK10919	10	XK10922	100
XK10920	25	XK10923	500

## Series Tapped Shunts



XK10916—For 1 Mil. D. C., 27 M. V. Tapped 10-100 mills.  
Your Cost Each **\$1.47**

XK10924—For Universal 301, 50 M. V. meter. Tapped 5-25-100 mills.  
Each, Your Cost **\$1.76**

## Littelfuses for Test Instruments



Designed to insure and protect meters and other sensitive equipment. Are dependable and accurate. Has many laboratory uses. Breaks circuit instantly on reaching maximum milliampere load. Length 1", diameter 1/8".

Stock No.	Rating Amps.	Max. Load M.A.	Resist. Load	Your Cost Each	Your Cost Doz.
XN12385	1-100	5	128 ohms		
XN12386	1	15	65 "	\$0.12	\$1.38
XN12387	1	25	21 "		
XN12388	1	100	8.5 "		
XN12389	1	100	26 "		
XN12390	1	200	8.2 "	\$0.09	\$1.05
XN12391	1	500	3.0 "		
XN12392	1	400	2.5 "		
XN12393	1	600	1.0 "		
XN12394	1	1000	.6 "	\$0.06	\$0.
XN12395	1	2000	.4 "		

## Littelfuse Mountings

These attractive mountings have a base of moulded Bakelite. Are furnished with plated fuse clips, slotted to hold fuses rigid. Has terminals of tinned phosphor bronze. Base is 1 1/4" x 1 1/4".



XN12383—Your Cost Each **9¢**

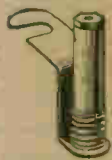
## Littelfuse Panel Type Mounting

For sub-panel use. Studs are 1" long and have 6-32 thread. For 1" fuses only. Base of fine bakelite. Size 1 1/2" x 3/4".  
Your Cost Each **12¢**



## Fusible Jack

For Meter protection. Mounts directly on binding post. Instrument Fuse mounted inside barrel easily renewable.



XN12384—Your Cost **35¢**

## Fusible Binding Post



Knob is made of highly polished white essence of pearl. Fuse is replaced by unscrewing knob. Knob dia. 1/4".  
Your Cost **45¢**

## "Taurex" Copper Oxide Rectifier

For D. C. meter conversion. Converts D. C. milliamperes of 15 M. A. or less to A. C. milliamperes. With proper resistors can measure up to 1000 volts. Only 1/2" x 1/2" x 1/2". Full instructions included. Sldr. wt. 1 lb.  
Your Cost Each **\$2.95**



## Meter Mount for 3 1/4" Metal or Bakelite Cased Meters



This mount is a very useful device to have around the shop or laboratory. Mounts the meter in a 45-degree position. Sldr. wt. 1 lb.  
Your Cost **\$1.47**

XJ10590—2 binding posts. **\$1.84**  
XJ10591—3 binding posts. **\$1.84**  
XJ10592—4 binding posts. **\$2.02**

## WESTON Rectifier Type A. C.-D. C. Meter Model 301



Designed for use with external resistance and shunts for measuring D. C. voltage and current and A. C. voltage. Of the permanent magnet moving coil type with a self-contained copper oxide rectifier for A. C. measurements. Self-contained for 5 volts and 1 mill. A. C., and 50 millivolts and 1 mill. D. C. Accurate to within 2% D. C.—5% A. C.

XJ10774—List \$19.00.  
Your Cost **\$14.25**

## WESTON 0-1 MILL. D. C. METER

Type 301. Same construction as the above meter. List \$10.00.  
Your Cost **\$7.50**



## 3" Universal A. C.-D. C. Meter



Uses copper oxide rectifier in an advanced circuit that minimizes losses due to rectification. With multipliers, scale readings are 0-15-150-750 volts A. C. or D. C. at 1000 ohms per volt resistance. D. C. milliamperes readings are 15-150. Ohms scale 0-1500 and 0-1.5 megs. Comes complete with D. P. D. T. switch for changing from A. C. to D. C. Accuracy on D. C.—2%; on A. C.—5%.  
List \$15.00.  
Your Cost **\$9.80**

## TRIPLETT 0-1 Mill. D. C. Meters

Stock No.	Your Cost	Stock No.	Your Cost
XK11200	\$4.58	XK11208	\$3.75



# FUSES SOCKETS CONNECTORS

## Radio and Auto Fuses



Available in 1, 2, 3, 5, 10, 15, 20, 25, 30 amp. sizes. Ship. 4 oz.

**XL12375** 10 amp. Your Cost **14¢**

## Cartridge Fuses

**STANDARD APPROVED TYPES**

**XL13205**—20 Ampere  
**XL13206**—30 Ampere  
 \*Your Cost Each.....  
 Carton of 10..... **60¢**

## Plug Fuses



Guaranteed to act promptly at their rated load. Crystal mica window makes inspection easy. Not to be confused with the ordinary plug that often comes with the ordinary wiring.

**XL13207**—15 amp. Your Cost Each  
**XL13208**—20 amp. **4¢**  
**XL13204**—30 amp. **18¢**  
 Carton of 5.....

## Bakelite Fuse Mounts

Panel Type  
 Bakelite base, bronze clips, plated. **XL12324**—Each..... **8¢**



Sub-Panel Type  
 For standard size fuses. Has 2 studs. Bakelite base. **XL12327**—Each..... **9¢**



# LITTELFUSE Products

## High Voltage Littelfuses



Efficient, renewable type fuses. Multi-filament fuses with blown ends 1/2" of their length. Rated to blow at 50% above rating.

1000 Volt		5000 Volt	
Stock No.	Your Cost	Stock No.	Your Cost
<b>XL12350</b>	24¢	<b>XL12360</b>	42¢
<b>XL12351</b>	21¢	<b>XL12361</b>	42¢
<b>XL12352</b>	21¢	<b>XL12362</b>	39¢
<b>XL12353</b>	21¢	<b>XL12363</b>	39¢
<b>XL12354</b>	21¢	<b>XL12364</b>	39¢
<b>XL12355</b>	24¢	<b>XL12365</b>	39¢
<b>XL12356</b>	24¢	<b>XL12366</b>	45¢
<b>XL12357</b>	24¢	<b>XL12367</b>	45¢
<b>XL12358</b>	24¢	<b>XL12368</b>	45¢

10,000 Volt Type—10,000  
**XL12346**.....  
**XL12347**.....  
**XL12348**.....  
**XL12349**.....  
**XL12341**..... **60¢**  
**XL12342**..... **66¢**  
**XL12343**..... **75¢**  
**XL12344**.....  
**XL12345**.....  
 Clips only for above. **XL12340**—Your Cost Each..... **8¢**

## Fuse Retainer



A special fuse holder designed for use with auto radio fuses. Two-piece connector of heavy metal, with fibre inside insulation. Heavy spring contact assures perfect connection at all times. 2 1/4" long. **XL12372**—Your Cost Each..... **9¢**

## For Radio Sets and Amplifiers



Designed for protection of radio receivers. Used in power supply line. Approved. Size 1/2x1 1/2.

Stock No.	Amps.	V.	Your Cost Each	Doz.
<b>XL12378</b>	1 1/2	250	5¢	55¢
<b>XL12379</b>	1 1/2	250		
<b>XL12380</b>	2	250		
<b>XL12381</b>	3	250		
<b>XL12396</b>	500			
<b>XL12397</b>	500			
<b>XL12398</b>	500			
<b>XL12399</b>	500			

## Special 'Low Resistance' Auto Radio Fuses

Similar in appearance to the above. Are special designed for auto sets. Have resistance of approximately 25 to 30% lower than standard radio fuses. This low resistance is very important, particularly when used to protect vibrator type eliminators.

Stock No.	Amps.	Your Cost Each
<b>XL12320</b>	5	3¢
<b>XL12321</b>	10	
<b>XL12322</b>	15	
<b>XL12323</b>	20	

## Antenna Connector

For auto radio sets. Two-piece metal container, fibre inside insulation. Powerful spring contact insures perfect electrical connection. Insures a neat installation, and is an aid when set is service. **XR16714**—Your Cost Each..... **6¢**



## Indicator Fuses



A new type of fuse that has a glow light which glows and cuts filament fuse. The indicator is built in to protect by a combination element that will cut current surge when the filament part of the indicator will insure the lamp. No special "type" parts; the person replacing the defective unit cannot come in contact with the electric current. Available in 10-15-20-25 and 30 ampere sizes. Specify size when ordering.  
**XL12207**—Indicator Fuse complete Your Cost Each..... **24¢**  
**XL12208**—Rebills for above Your Cost Each..... **4¢**

## JONES Fuse Mounts



Panel Type  
 Composition base, nickel plated brass contacts. Single hole mounting. 5/16" deep lug. **XL12129**—Your Cost Each..... **5¢**

## Sub-Panel Type

Similar to the above but for sub-panel mounting. Mounting centers 1 1/2". **XL12130**—Your Cost Each..... **5¢**

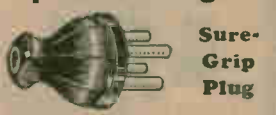


## Copper Fuse Clips



Punched out of copper and nickel plated. Has many uses. **XL12377**—Your Cost Each..... **2¢**  
 25 for..... **40¢**

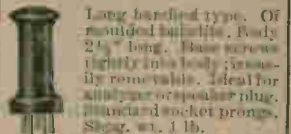
## "SURE-GRIP" Speaker Plugs



**Female Plug**  
**XL11528**—4-prong plug.  
**XL11529**—5-prong plug.  
**XL11673**—6-prong plug.  
**XL11674**—Large size 7-prong plug.  
**XL11675**—Small size 7-prong plug.  
 Your Cost Each, Any Type..... **24¢**

**Sure-Grip Plug**  
**XL11532**—4-prong plug.  
**XL11533**—5-prong plug.  
**XL11678**—6-prong plug.  
**XL11679**—Large size 7-prong plug.  
**XL11680**—Small size 7-prong plug.  
 Your Cost Each, Any Type..... **15¢**

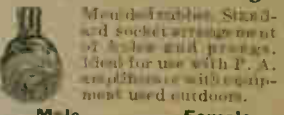
## Bakelite Cable Plugs



Long handled type. Of moulded bakelite. Body 2 1/2" long. Base screws tightly into body; screws removably removable. Ideal for all types of speaker plugs, standard socket phones. Ship. wt. 1 lb.  

Stock No.	Prongs	Your Cost Each
<b>XL11715</b>	4	
<b>XL11716</b>	5	
<b>XL11717</b>	6	
<b>XL11718</b>	7 S	<b>19¢</b>
<b>XL11719</b>	7 L	

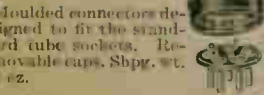
## Rubber Capped Male and Female Plugs



Moulded rubber. Standard socket arrangement of holes and prongs. Ideal for use with P. A. standard sockets with equipment used outdoors.  

Male		Female	
Stock No.	Your Cost	Stock No.	Your Cost
<b>XL11715 17c</b>		<b>XL11710 25c</b>	
<b>XL11716 17c</b>		<b>XL11711 25c</b>	
<b>XL11717 20c</b>		<b>XL11712 28c</b>	
<b>XL11718 20c</b>		<b>XL11713 28c</b>	
<b>XL11719 20c</b>		<b>XL11714 28c</b>	

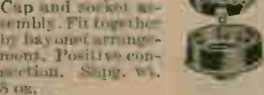
## Plug and Socket Cable Connectors



Moulded connectors designed to fit the standard tube sockets. Removable caps. Ship. wt. 8 oz.  

Stock No.	Prongs	Your Cost Each
<b>XL113040</b>	4	
<b>XL113041</b>	5	
<b>XL113042</b>	6	<b>12¢</b>
<b>XL113123</b>	7 S	
<b>XL113124</b>	7 L	

## Female Cable Connectors



Cap and socket assembly. Fit together by bayonet arrangement. Positive connection. Ship. wt. 6 oz.  

Stock No.	Prongs	Your Cost Each
<b>XL113043</b>	4	
<b>XL113044</b>	5	
<b>XL113045</b>	6	<b>21¢</b>
<b>XL113112</b>	7 S	
<b>XL113113</b>	7 L	

## NA-ALD Bakelite Tube Sockets

### Base Mount Types



Designed for bread board mounting and for Laboratory use. Made of bakelite, with NA-ALD special contact springs. Fitted with binding posts at the terminals of the socket. All connections marked. Makes a neat appearing job.  

Stock No.	Prongs	Your Cost Each
<b>XL11692</b>	4	
<b>XL11693</b>	5	
<b>XL11694</b>	6	<b>12¢</b>
<b>XL11695</b>	7 S	
<b>XL11696</b>	7 L	

### Composite Sockets



Moulded Bakelite. Enamel coated. 1 1/2" mounting centers. Same as above.  
**XL11619**—No. 456—For 2, 5 and 6 prong tubes. Filament circuits common.  
**XL11614**—No. 477—For small and large 7-prong tubes.  
**XL11615**—No. 457—For 5 and large 7-prong tubes. Eight contacts.  
**XL11523**—No. 567A—For 5, 6 and small 7-prong tubes.  
 Your Cost Each, Any Type..... **29¢**

## Special Two-Piece Cable Connectors

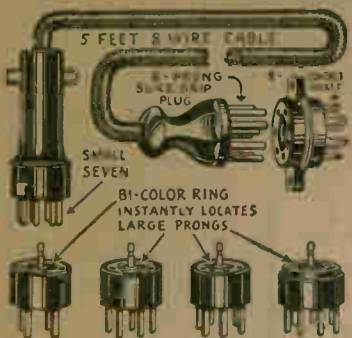


Moulded bakelite shells. Standard tube socket connections.  
 Prices for two-piece connector.  
**XL11697**—4 Prong Your Cost  
**XL11698**—5 Prong Each **19¢**  
**XL11699**—6 Prong Each **\$1.75**

# NA-ALD ADAPTERS



## New! NA-ALD Small 7-Prong Analyzer Plug and Associated Adapters 907WLCAP



- A complete cable, plug and a larger assembly that will bring your analyzer up to date. Cable has small 7-prong latch-lock plug at one end, and an 8 contact plug at the other. Eight prong plug fits into an 8-prong "adapter" socket, designed to mount on many a panel. All adapters marked with patented color rings which instantly locate large prongs. Cable provided in two foot long and contains eight wires (one extra lead). Ship. wt. 1 lb.
- No. 907WLCAP—Small 7-prong latch-lock analyzer plug with 8-wire cable, plug and socket as illustrated. List \$3.50 **Your Cost \$2.06**
- No. 907WLC-A—Small 7-prong latch-lock analyzer plug with 8-wire cable, plug and socket. List \$2.50 **Your Cost \$1.47**
- No. 907WLC-B—Adapter plug to 5-prong socket. List 75c **Your Cost 45c**
- No. 907WLC-C—Adapter plug to 6-prong socket. List 75c **Your Cost 45c**
- No. 907WLC-D—Adapter plug to large 7-prong socket. List 75c **Your Cost 45c**

## Bring Your Set Up-To-Date By Substituting

### New Type Tubes

- XK11593** 927 replace 927K. List 75c **Your Cost 45c**
- XK11594** 419X to use 202. List 75c **Your Cost 21c**
- XK11618** 475KSPR to use 49 instead of 47 tubes. List 75c **Your Cost 45c**
- XK11628** 944R2 to use 92 instead of 80 Rectifier tube. List 75c **Your Cost 45c**
- XK11629** 974GBR to use 59 instead of 43 type tube. List 75c **Your Cost 45c**
- XK11641** 965GKR to use 2A5 instead of 21 type tube. List 75c **Your Cost 45c**
- XK11642** 944KSPR to use 49 instead of 47 type tube. List 75c **Your Cost 45c**

## Universal Testing Adapters

Have break in the plate circuit with connections by cord tip jacks. Filament, grid and cathode connections by cord tip jacks, making tests make many tests through the use of this adapter. Many old type analyzers can be used for testing the new tubes merely by using the correct style of test adapter. They are also interchangeable for use with the Universal type of A. C. D. C. Voltmeter-milliammeter.



- XK11560** 944PTT
  - XK11561** 944PTT
  - XK11562** 944PTT
  - XK11521** 944PTT
  - XK11522** 944PTT
- List 90c **Your Cost, Any Type 53c**
- ### Neutralizing Adapters
- Used in balancing neutralizing systems in vacuum tube amplifiers, the filament is shield, enabling you to use an ordinary tube. Ship. wt. 3 gm.
- List 60c **Your Cost 36c**
  - XK11565** 944N
  - XK11566** 944N

## Speaker-Phones Switching Adapter

\$55 PSC



For use with any portable output tube. Permits independent use of speaker phones by plugging toggle switch; speaker and phone remain connected. No wiring necessary. Ship. wt. 2 lbs.

- XK11687** P.P. Single Periodic, 5-Prong List \$2.50 **Your Cost \$1.47**
- XK11688** P.P. P.P. Variable, 5-Prong List \$2.40 **Your Cost \$1.42**
- XK11689** P.P. Single Periodic, 6-Prong List \$2.50 **Your Cost \$1.47**
- XK11690** P.P. P.P. Variable, 6-Prong List \$2.40 **Your Cost \$1.42**

## Tube Leakage and Short Tester No. 9SC

Types 1, 5, 6, small and large 7-prong tubes. Checks filament-leakage, tube-leakage, tube-to-tube leakage, also dead shorts. None tube given to show defective tube. Jacks provided for using tester at continuity meter. Circuit is so arranged that test leads may be grounded without harm to instrument. Comes complete with one lamp cord and plug and grid lock. For use on 110 with A. C. or D. C. Sept. 91. 2 lbs.

- XK11308** List \$3.50 **Your Cost \$2.06**

## Universal Earphone Adapter

Used with any radio to connect earphone to power tube or audio amplifier. Simply slip to chassis or ground, and fit into universal plain prong connector on tube. Instructions included. Ship. wt. 1 lb.

List \$1.50 **Your Cost 88c**



## Tube Gas Tester Adapter No. 9GT

Connects in the filament circuit of any tube and can be used with any tube checker to detect gas tubes. Plug into three adapter "holder" tubes and observe A. V. C. tubes by noting any change in meter reading when button is pressed. Ship. wt. 1 lb.

**Your Cost 88c**

## Output Meter Adapter

Used for measuring Output Meter to plate, screen or any tube. 5-foot lead. Fully insulated. To be held one end, plug other.

**XK11603** **Your Cost 21c**

## Tube Bases

- Moulded, polished black bakelite. Standard size. Hollow brass stems, polished nickel finish. Easy to solder leads in inside of prongs. Ship. wt. 3 gm.
- XK11599** 4-prong
  - XK11600** 4-prong
  - XK11601** 6-prong
  - XK11602** 6-prong
- Each **5c**

## Listening-in Adapters

- For using headphones in detector or output stages. Tip connections.
- XK11599** 944PTT
  - XK11598** 944PTT
  - XK11597** 944PTT
- 75c **Your Cost Either Type 45c**



## Multi-Adapter



- Universal tube checking adapter that adapts your old tube checker, so that it will test over 100 new types. Tests five different Wundt-type A and B, both styles of 8A's and 8A's and many others. Comes complete with full instruction and list of tube readings. Ship. wt. 2 lbs.
- XK11553** 944XYLA List \$5.00 **Your Cost \$2.94**
  - XK11554** 944XYLA List \$5.00 **Your Cost \$2.94**
  - XK11615** 944SGL List 75c **Your Cost 45c**

## 950 TR

Now you can test 2Z5, 4Z5, 4Z6, 4Z7, 4Z8, and all others with 2Z5, 4Z5, 4Z6, 4Z7, 4Z8 type filament in the 21 socket of your storage instrument. The built-in transformer to supply filament current. Ship. wt. 3 1/2 lbs.

**XK11616** 950TR List \$5.00 **Your Cost \$2.94**

## 965-58

1/2" 58 Tube Check Adapter in combination with any tube checker having 1/2" socket. Ship. wt. 3 gm.

List 50c **Your Cost 30c**

## 977 SM

For checking old type 7-prong tube sockets on old small type **XK11605** 977SM. List 60c **Your Cost 36c**

## 977 MS

To use old type 7-prong plug in the new small 7-prong socket. Each model 7-prong adapter checks seven of the large type and six out of the small sockets.

**XK11604** 977MS. List 60c **Your Cost 36c**

## 975-AB7

For testing small type 2A5 and 2A7 tubes in 24 contact socket and A. C. or D. C. milliammeter.

**XK11617** 975-AB7. List 60c **Your Cost 36c**



# Laboratory Test Prods and Accessories

## Pencil Type Test Prods



Spring prongs at the end of prods allow changing from spade lugs to phone tips or to spring clips. Handles are 6" long and  $\frac{1}{4}$ " in diameter. Needle point phone tips are used for piercing through insulated wire for good contact. Five foot black and red flexible wire. Comes complete with two Alligator Clips, two needle point Phone Tips, and two tapered lugs.

**XM12971**  
Your Cost **76<sup>c</sup>**

Per Pair, Complete

## Pencil Type Test Prods

Similar to the above prods but without the interchangeable feature. Two Types—with permanently fastened Alligator Clips—and with permanently fastened Phone Tips.

**XM12882**—Alligator Clips  
Your Cost **49<sup>c</sup>**  
**XM12883**—Phone Tips  
Your Cost **44<sup>c</sup>**

## Laboratory Test Prods



Improved type. Has bronze tip with needle point and heavy body. Answers two-fold purpose of needle prod and phone tip prod. Handles 5" long and are extra heavy. Red and black leads 5 ft.

long. Shpg. wt. 3 oz.  
**XM12978**—With Spade Tips.  
**XM12979**—With Phone Tips.  
Your Cost (either type) **43<sup>c</sup>**  
**XM12987**—With Spring Clips  
Your Cost **55<sup>c</sup>**

## Phono-Needle Test Prods



Sturdy handles with chucks for phonograph needle. 50" leads.

one red one black. Shpg. wt. 8 oz.  
**XM12975**—Spade Ends. **XM12976**—Pin Tip Ends.  
Your Cost (either), Per Pair **30<sup>c</sup>**  
**XM12977**—Spring Clip Ends.  
Your Cost, Per Pair **39<sup>c</sup>**

## Short-o-Tester



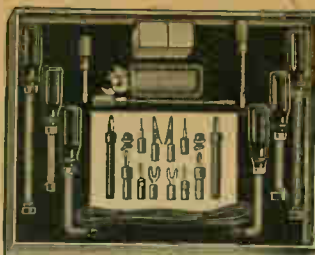
Contains  $2\frac{1}{2}$  volt lamp and small flashlight battery. Indicates closed or open circuits when its flexible lead and pin terminal are introduced into the circuit. May also be used as trouble flashlight. Complete with battery and bulb. Shpg. wt. 1 lb.  
**XM12984**—List \$1.50  
Your Cost Each **88<sup>c</sup>**

## BRACH NEON Test-O-Lite



With this new Test-O-Lite you can find blown-out fuses immediately! Will check any voltage between 110 and 550 volts—either A. C. or D. C. Will also check spark plugs, radio sets, household appliances, etc. Neon lamp protected by moulded bakelite case. Handy pocket size.  $3\frac{1}{2}$ " heavily insulated leads.  
**XM12983**—  
Your Cost **\$1.10**

## TruTest Servicemen's Kit



A complete 24 piece Kit of test and repair tools including: two 6" spintype wrenches ( $\frac{1}{2}$ " and  $\frac{3}{8}$ " ), two 9" spintype wrenches ( $\frac{3}{4}$ " and  $\frac{1}{2}$ " ), two 7" "offset" spintype wrenches ( $\frac{1}{2}$ " and  $\frac{3}{8}$ " ), three assorted size insulated screwdrivers, three assorted size flat type wrenches, one length each (72") red and black wire, one assortment of red and black test parts including test prods, alligator clips, etc., and one box of assorted radio hardware. Shpg. wt. 5 lbs.

**XM12888**—  
Your Cost, Complete **\$2.75**  
Kit

## AMERICAN Testing Kit

Combines a complete line of solderless and interchangeable parts for all types of testing. Two long and short insulated test prod handles, two plug-in prongs, two plug-in jacks, two insulated tapered type lugs, two insulated needle point phone tips, two insulated alligator clips. Made up in red parts for positive and black parts for negative identification. Shpg. wt. 1 lb.

**XP12972**—Your Cost, Special **\$1.35**

## ICA Neutralizing and Aligning Tool Kit



For any adjustment on all types of receivers. Contains alligator side wrench, 6" insulated screw driver, metal nib;  $\frac{3}{16}$ " and  $\frac{1}{4}$ " nut wrench.  $\frac{1}{8}$ " square nut insulated wrench,  $\frac{1}{4}$ " hexagon metal side wrench and  $2\frac{1}{2}$ " insulated screwdriver, metal nib.  $\frac{1}{4}$ " hexagon slotted insulated wrench; metal screwdriver;  $\frac{3}{16}$ " hexagon insulated nut wrench, 5" insulated screwdriver, metal nib. 6" insulated screwdriver. Shpg. wt. 1 lb.  
**XP15089**—  
Your Cost **\$2.35**

## SUPREME Type Test Prods



Used on latest type Supreme instruments. Rubber guard ring near prod end prevents fingers slipping and touching metal and receiving a shock while testing. Sharp pointed tips. Brightly colored polished handles. Red and black. 50" leads. Shpg. wt.

2 lbs.  
**XK10980**—Your Cost **69<sup>c</sup>**

## RCA Tuning Wand



For determining correct alignment without touching trimmers.  
**XP15024**—Your Cost **75<sup>c</sup>**

## Neutralizing Tool



Carried in the pocket like a fountain pen—has clip for pocket.  $\frac{1}{4}$ " nut wrench with key slot and neutralizing screwdriver on removable inside rod;  $\frac{3}{8}$ " nut wrench in one end of outside barrel. Made of durable non-conductive material that will stand hard usage. Shpg. wt. 8 oz.

**XP14915**—  
Your Cost Each **38<sup>c</sup>**

## Attachments for Above Neutralizing Tools

Balnut for Majestic Sets

Overall length  $2\frac{1}{2}$ ". Has screw driver and offset socket for  $\frac{1}{4}$ " hex nuts that extends tool handle  $1\frac{1}{2}$ ".

**XP15085**—  
Your Cost **27<sup>c</sup>**

For Crosley Sets

Extends tool  $1\frac{1}{2}$ ". Has socket in end for  $\frac{1}{16}$ " square nuts.

**P15086**—  
Your Cost **11<sup>c</sup>**

For Majestic Sets

Similar to Crosley in appearance but has hex socket.  
**XP15084**—Your Cost **10<sup>c</sup>**

## Alligator Neutralizing Wrench and Screw Driver



Alligator wrench with  $\frac{3}{8}$ " opening. Securely fastened to extra strong high insulation rod size  $\frac{1}{4}$ " x  $\frac{1}{4}$ ". Hardened steel screw driver blade.

**XP14921**—  
Your Cost **30<sup>c</sup>**

## Neutralizing Tool Set with Metal Nibs



Polished black bakelite handles. Two tools. One consists of a  $\frac{1}{4}$ " diameter 6" long tube on each end of which are heavy brass nickel plated socket wrenches for  $\frac{3}{16}$ " and  $\frac{1}{4}$ " hex nuts. The other tool fits inside the first tool and consists of a  $\frac{1}{4}$ " solid rod, one end of which has a strong screw driver blade, the other end is of special magnetic steel.

**XP15083**—Your Cost **75<sup>c</sup>**

## Four-in-One Neutralizer Compensator and "Tool Kit"



Combines in a fountain pen size compact tool that can be carried in your vest pocket,  $1\frac{1}{2}$ " and  $\frac{3}{8}$ " nut wrenches, miniature blade screw driver for neutralizing and a full size insulated handle general purpose screwdriver. Made of fine quality extra strength fiber. When closed, no sharp points are exposed to tear clothing.

**XP15082**—  
Your Cost **75<sup>c</sup>**

## Neutralizing Screw Driver



Bakelite knob, diameter 1" fastened to  $\frac{1}{4}$ " hard rubber rod projecting  $3\frac{3}{8}$ ". Hardened screwdriver blade.

**XP15087**—Your Cost **23<sup>c</sup>**

To Speed **YOUR** Order -- Use Our Order Blank

# DEALERS' and SERVICEMENS'

## Radio and Electronic Dictionary



Contains technical Radio terms from Primary Television and Radio Broadcasting to Z. Every thing you could possibly desire in a dictionary. 500 illustrations, 1000 pages, 10 1/2 x 7 1/2. Bound in maroon buckram, with gold lettering. M.L.S. 1935. Price of each is \$2.19. 250,000 copies have been printed. No one needs to be without it at any time. Ship

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Your Cost **\$2.19**

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## Radio Service Questions and Answers

A compilation of many service problems and their answers. This book has been compiled by John P. Wiley and contains of many questions asked by him. Ship

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Your Cost **95¢**

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## Radio Amateur Call Book



The only publication listing all Radio Amateur Stations throughout the U.S. and Canada. Each page contains a name, call letters and address. International addresses, Q. call letters, etc. 100 pages, 10 1/2 x 7 1/2. Bound in maroon buckram, with gold lettering. M.L.S. 1935. Price of each is \$1.10. 250,000 copies have been printed. No one needs to be without it at any time. Ship

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## Short Wave Beginner's Book



For those who are just beginning to become interested in short wave work. It is an important book for all the information needed to get the most possible enjoyment out of short wave reception. Covers the entire field of a set, antenna, a short wave coil, handling of coils and keys in operating a receiver. Ship

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How to Make and Work Them. The Short Wave Receiver was the most popular of all the radio receivers. This book contains the best technical information on the ten most popular S. W. receivers. It covers the construction, operation, and maintenance of each. Ship

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## Short Wave Library



The Manual of Ultra Short Wave Radio. Contains the history of Ultra S. W. Development in the U.S. and the construction of Ultra Short Wave, QRP, QRP, and Ultra Short Wave, and the Commercial Application of Short Wave in Communication Work. 100 pages and 120 illustrations. Ship

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Your Cost Each **50¢**

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Learning the code, the receiver handbook, radio set receivers and more. Ship

**XY19944** - Each **50¢**

## Ultra Short Wave Amateur Band Communication

Detailed data for using 5-meter and 7-meter bands. Contains a number of 7 meters originally appearing in Radio News letter and of the "Discovery" and "Communication" bands. 100 pages, 10 1/2 x 7 1/2. Ship

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Contains the latest list of Short Wave stations throughout the U.S. and Canada. It is the only publication of its kind. Every Short Wave fan needs it. Ship

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## How to Design and Build 5 Meter Sets



How to design and build 5-meter transmitters, receivers, etc. by Frank Jones with the necessary illustrations by Arthur, Hines, Hays. Ship

**XY22132**  
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## Short Wave Coil Book



Every possible bit of information on all winding that you could need. Gives all necessary data of wire to use, methods of winding, etc. No duplication. Ship

**XY22133**  
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## Official Short Wave Radio Manual



A complete manual on short wave reception and operation. An excellent book for use by both amateur and professional operators. Covers the construction, operation and maintenance of both home built and commercially built receivers and transmitters. Also includes information on the construction and operation of amateur transmitters. In fact everything pertaining to short wave is included. Ship

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## How to Pass U. S. Government Radio License Exams.

Complete information on passing government license tests for commercial license. Includes all the latest information on the examination and questions of amateur transmitters. In fact everything pertaining to short wave is included. Ship

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The most popular Handbook for Amateur Radio ever written. It is the most complete handbook book published covering every phase of the subject. Includes: The Story of Amateur Radio; Getting started; Electrical Principles and Planning and building Transmitters; and a host of other interesting material. New editions with an entirely revised, new chapter on the frequency work. Ship

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## How to Become a Radio Amateur

Second edition in 32 pages contains the entire Gold of amateur radio. Makes learning the whole story to the how to build a station, get a license, etc. Ship

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Contains every class of Amateur License procedure in a clear and simple manner. Prepared in response to an unmet demand for information on how to pass examinations and apply for license. Complete question and answer section covers every type of question you will be asked for any type license. You can save yourself a lot of worry by studying this helpful book. Ship

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## Hints and Kinks for the Amateur

Information—ideas—suggestions. Practical tips, hints, etc. that will make you a better operator. A whole book full of them. A compilation of the best ideas in our hobby. Ship

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# Books for the SERVICEMAN

## Servicing Superheterodynes



Do you know all that you should know to enable you to service superheterodyne sets? Are you familiar with various types of superheterodyne circuits? Do you know the function of individual parts of a superheterodyne receiver? An excellent question. If you do not know what is meant by "Service Superheterodynes" you should get the "Service Superheterodynes" book. It contains all the information you will need to service superheterodyne sets. Ship

**XY19927** - Your Cost **95¢**

## Servicing Receivers by Means of Resistance Measurement

By means of resistance measurement of what is known as "point to point testing" it is possible to service any type of set. This book describes the method in detail and furnishes all the data necessary to service practically all sets made today. Also all other publications by John P. Wiley are complete and all the information necessary to service superheterodyne sets. Ship

**XY19925** - Your Cost **95¢**

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## Radio Physics Course

by

Alfred A. Ghirardi



A complete, up-to-date, authoritative Electrical and Radio Course which answers every question on Radio, Electricity, Photo-electric Cells, Television and the Talkies. A book no Technical Student, Set Builder or Service Man can afford to be without. Written by an acknowledged leader in the field. It is often used as a text book. Second Edition. 992 pages, 500 illustrations. **XY19897—Your Cost.....\$3.85**

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by Moyer & Wostrel



Three volumes by Moyer and Wostrel covering every phase of radio. Uniformly bound in green buckram.

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**XY19976—Vol. No. 4. Postpaid East of Mississippi. Your Cost.....\$7.35**

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This volume contains many diagrams that are not contained in either previous or subsequent issues and must be had if a complete list of all set diagrams and information is wanted.

**XY19924—Volume No. 3. Your Cost—Postpaid East of Mississippi.....\$7.35**

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**XY19925—Volume No. 2. Your Cost—Postpaid East of Mississippi.....\$6.37**

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An entirely new issue containing a wealth of information that is extremely valuable to the serviceman. All the new circuit developments including all-wave and straight short wave receivers are described. All the new receivers are diagrammed—nothing old. This issue begins where the previous 1934 issue left off. Flexible cover—loose leaf binding. Shpg. wt. 4 lbs. **XY19953—Your Cost.....\$5.98**

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This issue contains the majority of diagrams for the receivers you now get for service. **XY19900—1933 Edition. Your Cost.....\$4.00**

## Radiocraft Library

These books are all new and up-to-date; written by men who are authorities on the subject. The volumes are all uniform size 6x9" and contain 50 to 120 illustrations.



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List Price, Each 50c. **Your Cost.....\$3.95**  
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The most comprehensive book ever written for the advanced Amateur. Writers include Kruse, Bane, Hawkins, Dow, Reinartz and Jones. Includes receiving set construction, antenna design and construction, building of transmitters from the smallest to the largest, design and construction of radio telephone equipment, quartz crystals, how to select and grind them, power supplies, frequency meters, monitors, operating hints, etc. 212 pages of text matter and profusely illustrated.

**XY19939—Your Cost.....\$1.00**

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### OFFICIAL Auto-Radio Service Manual



The publishers of the very popular Official Radio Service Manual have published this new manual that covers the auto-radio field in great detail. Complete diagrams and service notes on old as well as all new sets and accessories; detailed instructions for suppressing ignition interference, tells when and how to use rooftop, running board, and between-axle aerials; gives technical details on all popular types of "B" Eliminators and explains how to adjust generator charging rate.

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All the information you need to properly service any auto radio receiver. All necessary resistance—capacity—etc., values given in the diagrams of the many makes of receivers listed. This manual is similar to the famous Rider Trouble Shooter's Manuals but deals exclusively with auto radio receivers. All old as well as new models are listed with all the pertinent facts necessary for servicing them. Shpg. wt. 4 lbs. **XY19898—Your Cost.....\$3.50**

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Written by James R. Cameron and John F. Rider this book does for the Motion Picture Recording and Reproducing Industry what the famous Rider's Manuals do for the radio serviceman. This book is exceptionally complete. 1120 pages. 560 illustrations. No Sound Picture Serviceman can afford to be without it. Shpg. wt. 6 lbs. **XY19955—Your Cost.....\$7.50**

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#### Radio and Television

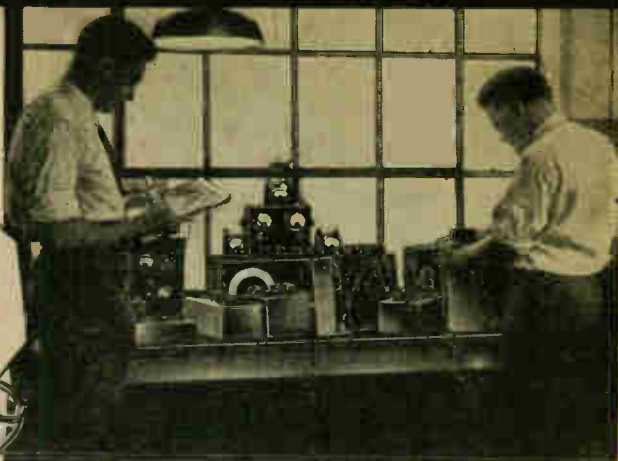
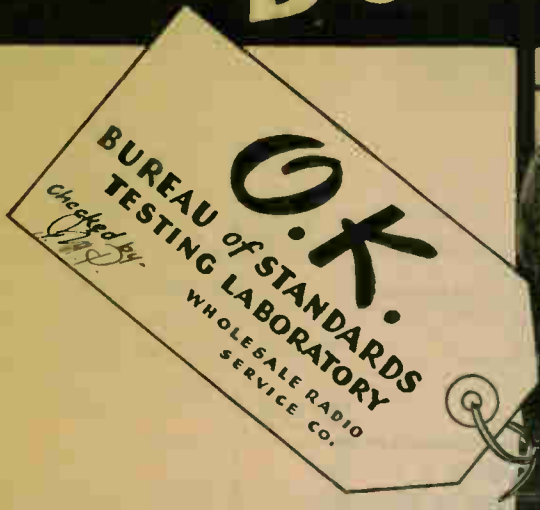


A complete treatise on both radio and television. Was especially written for the theatre projectionist but will be found to be of value by anyone interested in these subjects. Shpg. wt. 2 lbs. **XY19980—Your Cost.....\$3.50**

Perfect Merchandise - Prompt Shipment - Personal Service

World Radio History

# Thumbs Down On Inferior Merchandise



Quality Alone Can Win Against the Odds Set By Our

## BUREAU of STANDARDS

Here at Wholesale Radio Service Co. you can buy with confidence. Our staff of skilled engineers know from experience how each and every item should perform. They set the standards up to which each product is expected to measure—standards which are higher even than those established by the manufacturers themselves. And in every case our standards must be met!

Nothing is left to chance! The finest testing apparatus in the world has been assembled in our Bureau of Standards Laboratory. Everything is checked and double checked—sometimes a dozen tests to insure the quality of the products which you buy. Nothing—large or small—escapes the watchful eyes of these Guardians of Quality, for they realize that a defective 10c condenser will impair the efficiency of a \$1000 amplifier.

Thousands upon thousands of individual items pass through our Bureau of Standards Laboratory each year and for each thousand approved there are a thousand others discarded, rejected! Not only must each manufacturer's line be tested and approved before being listed, but throughout the year, random samples are picked from stock to insure the maintenance of the high standards set in the beginning.

### FIELD TESTS

In the case of sets, amplifiers, etc., even after laboratory tests assure the quality, field tests are held under the same conditions that would be encountered by the purchaser. This is particularly true of Public Address Equipment which is actually installed in theatres and auditoriums, and of auto radios which are given gruelling road tests. Every single item must first prove its quality or it's "Thumbs Down"—it cannot be listed in Wholesale's catalog.

Every electrical characteristic is checked. Tests are long and involved. Condensers are tested for breakdown voltage; coils and chokes of various kinds for inductance value and current capacity; transformers for their frequency response or power ratings; receivers for sensitivity, selectivity and tone quality. Unless every test is met—out goes the item! It's "THUMBS DOWN"—for quality alone can win against the odds set by Wholesale's Bureau of Standards!



Every electrical characteristic tested.



Interwiring of component parts inspected.



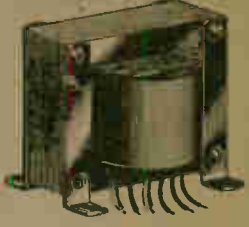
Testing with laboratory created wave length reception.

IT *MUST* BE GOOD To Be Listed In Our Catalog

# Trutest POWER TRANSFORMERS

## The Finest Quality Transformers for General Replacement or New Set Construction

### A PRODUCT OF TRUTEST



Trutest Power Transformers, engineered by experts and constructed of the finest materials, truly deserve the popularity accorded them in the service field. Each unit is designed to provide ample safety factor under any normal conditions of use. As a result, Trutest Power Transformers are fully guaranteed, under R.M.A. standards, for a period of 90 days, against mechanical or electrical defects. This is your assurance that Trutest Transformers will live up to the claims made for them. To simplify installation, and to preclude possibility of error in wiring, each unit is furnished with a schematic diagram showing each terminal connection.

Furnished in both flush and horizontal mountings in the large variety of sizes given below, these Trutest units should prove applicable to most any receiver on the market. Even lower cost models of current and old receivers using the 2B rectifier can be replaced with Trutest Power Transformers of the Flush mounting type. For a man who is building a set, the flush type of mounting is recommended as furnishing the more finished appearance. For replacement work however the horizontal type of mounting 2B in general is found to be the more practical. Always order a transformer large enough to fill your needs.

Experimenters and set builders will find in Trutest Power Transformers a solution to their long felt wants. Compactness, ease of wiring and general appearance will go far to eliminate that "house made" look. The Flush Mounting Type, with large lug terminals on an insulated strip and protrude through the metal. The Upright Horizontal Type have wire lead terminals and feet are provided on bases; the slight elevation permitting air circulation under cover. The Flush Mounting Type is best for use with the new 2B rectifier should piece of special interest in those wishing to make use of this latest type tube.

**Special Midget Transformer**  
 For 4 and 5 Tube Sets  
 For Three Heater Tubes, One Power Tube  
 and One 80 Rectifier

MOUNTING AREA: 3x2 1/4"  
 MOUNTING DIMENSIONS: 2 1/2 x 2"  
 PRIMARY: 115 volts, 50-60 cycles  
 SECONDARIES: (1) 250 volts C. T. - 50 M. A.  
 (2) 5 volts C. T., 7 amps. (for 3 heaters and  
 1 power tube).  
 (3) 5 volts, 2 amps. (for 80 rectifier).  
 Flush mounting type.

**XC2431** - Ship. wt. 1.4 lbs.  
 Your Cost, Special **90¢**

**5 and 6 Tube Receivers**  
 For Three or Four 2 1/2 Volt Heater Tubes,  
 One 2 1/2 Volt Power Tube and One 280 or  
 282 Rectifier

MOUNTING AREA: 4x2 1/4"  
 MOUNTING DIMENSIONS: 3 1/2 x 2 1/4"  
 PRIMARY: 115 volts, 50-60 cycles  
 SECONDARIES: (1) 250 volts C. T. - 70 M. A.  
 (2) 5 volts, 2 amps. (for 280 filament), or  
 2.5 volts, 4 amps. (for 282 filament).  
 (3) 2.5 volts, 11.5 amps. (for 4 heaters and  
 1 power tube).  
 Shipping weight 6 lbs.

**Flush Mounting Type**  
**XC1492** - Using 280 Rectifier. **\$1.42**  
**XC1498** - Using 282 Rectifier.  
 Your Cost Each

**Horizontal Mounting Type**  
**XC1504** - Using 280 Rectifier. **\$1.49**  
 Your Cost Each

**For use with the New Type Tubes**  
 Up to 8 Heater Type Tubes  
 2 of the New 2A3 Power Tubes  
 1-8Z Rectifier

Mounting Area: 4x2 1/4"  
 Mounting Dimensions: 3 1/2 x 2 1/4"  
 Primary: 115 volts, 50-60 cycles  
 Secondaries: (1) 250 volts C. T. - 100 M. A.  
 (2) 5 volts C. T., 5 amps.  
 (3) 2.5 volts C. T., 12 amps.  
 (4) 2.5 volts, 11.5 amps. (for 2 heaters and  
 1 power tube).  
 Flush mounting type.

**XC1517** - Ship. wt. 10 lbs. **\$3.75**  
 Your Cost, Special

Refer to pages 12, 113 for a tabulated listing of exact duplicate power transformers of all standard radio receivers. Refer to pages 115-120 for listing of all types of audio transformers and chokes which can be used with the above transformer.

**For the New 6.3 Volt Tubes**  
 4 and 5 Tube Sets  
 Up to Three Heater Type Tubes, One  
 Power Tube and One 80 Rectifier

MOUNTING AREA: 3x2 1/4"  
 MOUNTING DIMENSIONS: 2 1/2 x 2"  
 PRIMARY: 115 volts, 50-60 cycles  
 SECONDARIES: (1) 250 volts - 50 M. A.  
 (2) 5 volts C. T., 2 amps. (for two or three  
 heaters and one power tube).  
 (3) 5 volts, 2 amps. (for filament).  
 Flush mounting type.

**XC1518** - Ship. wt. 3 lbs.  
 Your Cost, Special **\$1.30**

**6 and 7 Tube Receivers**  
 For Three or Four Heaters and Two  
 Power Tubes (6.3 Heaters) or Seven  
 Heaters (6.3) and Two Power Tubes (2.5)  
 One 80 or 5Z3 Rectifier

MOUNTING AREA: 4x2 1/4"  
 MOUNTING DIMENSIONS: 3 1/2 x 2 1/4"  
 PRIMARY: 115 volts, 50-60 cycles  
 SECONDARIES: (1) 250 volts - 70 M. A.  
 (2) 5 volts C. T., 5 amps. (for 3 or 4 heaters  
 and 2 power tubes).  
 (3) 2.5 volts C. T., 4 amps. (for two power tubes).  
 (4) 2.5 volts, 4 amps. (for 80 or 5Z3 rectifier).  
 Flush mounting type.

**XC1519** - Ship. wt. 8 lbs.  
 Your Cost, Special **\$2.19**

**8, 9 and 10 Tube Receivers**  
 Up to Seven Heater Type Tubes and Two  
 Power Tubes (All 6.3) or Ten Heaters  
 (6.3) and Two Power Tubes (2.5), One 80  
 or 5Z3 Rectifier

MOUNTING AREA: 4x2 1/4"  
 MOUNTING DIMENSIONS: 3 1/2 x 2 1/4"  
 PRIMARY: 115 volts, 50-60 cycles  
 SECONDARIES: (1) 250 volts - 100 M. A.  
 (2) 5 volts C. T., 5 amps. (for 7 heaters and  
 2 power tubes).  
 (3) 2.5 volts C. T., 4 amp. (for 2 power tubes).  
 (4) 2.5 volts, 4 amp. (for 80 or 5Z3 rectifier).  
 Flush mounting type.

**XC1520** - Ship. wt. 9 lbs.  
 Your Cost, Special **\$2.65**

**For 4 Tube Midget. For 2 Heater Tubes,  
 1 Power Tube and 1-80 Rectifier**

MOUNTING AREA: 3x2 1/4"  
 MOUNTING DIMENSIONS: 2 1/2 x 2"  
 PRIMARY: 115 volts, 50-60 cycles  
 SECONDARIES: (1) 250 volts C. T. - 40 M. A.  
 (2) 5 volts C. T., 7.5 amps. (for 2 heaters  
 and 1 power tube).  
 (3) 5 volts, 2 amps. (for filament).  
 Flush mounting type.

**XC1521** - Ship. wt. 1 lb.  
 Your Cost Each **75¢**

**6 and 7 Tube Receivers**  
**Push-Pull Power Tubes**  
 For Three 2 1/2 Volt Heater Tubes, Two 2 1/2  
 Volt Power Tubes and One 280 Rectifier

MOUNTING AREA: 4x2 1/4"  
 MOUNTING DIMENSIONS: 3 1/2 x 2 1/4"  
 PRIMARY: 115 volts, 50-60 cycles  
 SECONDARIES: (1) 250 volts C. T. - 70 M. A.  
 (2) 5 volts, 3 amps. (for filament).  
 (3) 2.5 volts C. T., 3 amps. (for 2 power tubes).  
 (4) 2.5 volts, 7 amps. (for 3 or 4 heaters).  
 Shipping weight 11 lbs.

**Flush Mounting Type** **\$1.65**  
**XC1505**  
 Your Cost Each

**Horizontal Mounting Type**  
 Same tube characteristics as above. Mounting  
 centers 2 1/4".

**XC1506** **\$1.75**  
 Your Cost Each

**8 and 9 Tube Receivers**  
 For Four or Five 2 1/2 Volt Heater Tubes,  
 Two 2 1/2 Volt Power Tubes and One 280  
 or 282 Rectifier

MOUNTING AREA: 4x2 1/4"  
 MOUNTING DIMENSIONS: 3 1/2 x 2 1/4"  
 PRIMARY: 115 volts, 50-60 cycles  
 SECONDARIES: (1) 250 volts C. T. - 90  
 M. A. (plate).  
 (2) 5 volts, 3 amps. (for 280 filament) or  
 2.5 volts, 3 amps. (for 282 filament).  
 (3) 2.5 volts C. T., 3.5 amps. (for 2 power tubes).  
 (4) 2.5 volts, 11.5 amps. (for 4 heater tubes).  
 Shipping weight 11 lbs.

**Flush Mounting Type**  
**XC1507** - Using 280 Rectifier. **\$1.85**  
**XC1499** - Using 282 Rectifier.  
 Your Cost Each

**Horizontal Mounting Type**  
 Same tube characteristics as above. Mounting  
 centers 2 1/4".

**XC1508** - Using 280 Rectifier. **\$1.95**  
 Your Cost Each

**10 and 12 Tube Receivers**

MOUNTING AREA: 4x2 1/4"  
 MOUNTING DIMENSIONS: 3 1/2 x 2 1/4"  
 PRIMARY: 115 volts, 50-60 cycles  
 SECONDARIES: (1) 250 volts C. T. - 110  
 M. A.  
 (2) 5 volts filament (280).  
 (3) 2.5 volts filament (282).  
 (4) 2.5 volts filament (282).  
 Shipping weight 11 lbs.

**Flush Mounting Type**  
**XC1509** **\$2.40**  
 Your Cost

**Horizontal Mounting Type**  
 Same tube characteristics as above. Mounting  
 centers 2 1/4".

**XC1510** - Your Cost Each **\$2.45**

# POWER TRANSFORMER SPECIALS

## ZENITH

Models ZE-55, ZE-60, ZE-70



Exact duplicate of the original Zenith Part No. 1-100. Has three 2 1/2 volt windings for 2 heater tubes and for two A.V.C. tubes for two power tubes. Separate winding for 2-4 "B" Mazda pilot lamp. Flush mounting type. No changes necessary to install. Ship. wt. 1 1/2 lbs.

**XC1980** Your Cost ..... **\$3.65**

**ZENITH Models 91 and 92**

An exact duplicate of the original Zenith Part No. 1-100. Has three 2 1/2 volt windings for 2 heater tubes and for two A.V.C. tubes for two power tubes. Separate winding for 2-4 "B" Mazda pilot lamp. Flush mounting type. No changes necessary to install. Ship. wt. 1 1/2 lbs.

**XC1981** Your Cost ..... **\$4.25**

**Columbia Model S. G. 8**



**XC7105** Your Cost ..... **\$3.45**

## GENERAL MOTORS Power Transformers Model S1A



Exact duplicate of the original General Motors Part No. 1-100. Has three 2 1/2 volt windings for 2 heater tubes and for two A.V.C. tubes for two power tubes. Separate winding for 2-4 "B" Mazda pilot lamp. Flush mounting type. No changes necessary to install. Ship. wt. 1 1/2 lbs.

**XC2521** Your Cost ..... **\$3.40**

**For Model S3A**

Exact duplicate of the original General Motors Part No. 1-100. Has three 2 1/2 volt windings for 2 heater tubes and for two A.V.C. tubes for two power tubes. Separate winding for 2-4 "B" Mazda pilot lamp. Flush mounting type. No changes necessary to install. Ship. wt. 1 1/2 lbs.

**XC2522** Your Cost ..... **\$3.95**

## Special Heavy Duty Transformer

An updated mounting with completely shielded in metal case. Has following windings: 250-0-250 volts at 2 1/2 amp.; 0-7-0 at 2 amp.; 0-5-0 at 2 amp.; 0-3-0 at 2 amp.; 0-2-0 at 2 amp.; 0-1-0 at 2 amp. Primary connected at 110-220 volts for 50/60 cycles. Ship. wt. 1 1/2 lbs.

**XC2411** Your Cost ..... **\$1.95**



## BOSCH

Model 48

Exact duplicate of the original Bosch Model 48. Has three 2 1/2 volt windings for 2 heater tubes and for two A.V.C. tubes for two power tubes. Separate winding for 2-4 "B" Mazda pilot lamp. Flush mounting type. No changes necessary to install. Ship. wt. 1 1/2 lbs.

**XC2210** Your Cost ..... **\$3.35**



Similar in appearance to above, for sets using 2-250, 1-250, 2-400 and 1-400 tubes. Ship. wt. 1 1/2 lbs.

**XC2261** Your Cost ..... **\$3.35**

Similar in appearance to above, for sets using 2-250, 1-250, 2-400 and 1-400 tubes. Ship. wt. 1 1/2 lbs.

**XC2262** Your Cost ..... **\$3.75**

## SPARTON Models 589, 591, 593, and 931 Sparton No. B2339



Replacement for the above models utilizing 2-250, 1-250, 2-400 and 1-400 tubes. Ship. wt. 1 1/2 lbs.

**XC2334** Your Cost ..... **\$3.85**

## THORDARSON High Power Transformer

For Two '50s, or '10s and Two '2's

Case 1 and fully shielded and fully enclosed. Has three 2 1/2 volt windings for 2 heater tubes and for two A.V.C. tubes for two power tubes. Separate winding for 2-4 "B" Mazda pilot lamp. Flush mounting type. No changes necessary to install. Ship. wt. 1 1/2 lbs.



**XC226** Your Cost Each ..... **\$3.95**

## THORDARSON T-3740



Overall dimensions 3 1/2" x 3 1/2" x 3 1/2" Ship. wt. 1 1/2 lbs.

**XC223** Your Cost ..... **\$3.95**

# Stromberg-Carlson POWER TRANSFORMERS

## Models 641, 642, 652, 654

Exact duplicate of the original Stromberg-Carlson Model 641. Has three 2 1/2 volt windings for 2 heater tubes and for two A.V.C. tubes for two power tubes. Separate winding for 2-4 "B" Mazda pilot lamp. Flush mounting type. No changes necessary to install. Ship. wt. 1 1/2 lbs.

**XC2371** Your Cost ..... **\$3.45**

**For Models 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000**

## Models 10, 11, 25 and 26

Exact duplicate of the original Stromberg-Carlson Model 10. Has three 2 1/2 volt windings for 2 heater tubes and for two A.V.C. tubes for two power tubes. Separate winding for 2-4 "B" Mazda pilot lamp. Flush mounting type. No changes necessary to install. Ship. wt. 1 1/2 lbs.

**XC2370** Your Cost ..... **\$3.75**

## Models 19 and 20

Exact duplicate of the original Stromberg-Carlson Model 19. Has three 2 1/2 volt windings for 2 heater tubes and for two A.V.C. tubes for two power tubes. Separate winding for 2-4 "B" Mazda pilot lamp. Flush mounting type. No changes necessary to install. Ship. wt. 1 1/2 lbs.

**XC2371** Your Cost ..... **\$3.85**

## Stromberg-Carlson Filter Inductor Assembly

For Models 641, 642, 652, 654



Exact duplicate of the original Stromberg-Carlson Model 641. Has three 2 1/2 volt windings for 2 heater tubes and for two A.V.C. tubes for two power tubes. Separate winding for 2-4 "B" Mazda pilot lamp. Flush mounting type. No changes necessary to install. Ship. wt. 1 1/2 lbs.

**XC2172** Your Cost ..... **\$3.25**

## Models 38, 39, 40, 41

Exact duplicate of the original Stromberg-Carlson Model 38. Has three 2 1/2 volt windings for 2 heater tubes and for two A.V.C. tubes for two power tubes. Separate winding for 2-4 "B" Mazda pilot lamp. Flush mounting type. No changes necessary to install. Ship. wt. 1 1/2 lbs.

**XC2392** Your Cost ..... **\$3.95**

# Atwater Kent POWER TRANSFORMERS

## Models 37, 38

For replacement in the above mentioned transformer is guaranteed to give satisfaction; built along the lines of the original, except with a larger safety factor. Utilizes: 1-250, 1-250, 1-71A, 1-80, 1-80, 1-80, 1-80. Ship. wt. 1 1/2 lbs.

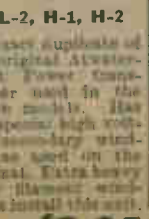
**XC2255** Your Cost ..... **\$2.25**



## Models 70, 72, 75, L-1, L-2, H-1, H-2

An exact duplicate of the original Atwater-Kent Power Transformer used in the above models. Has the special high voltage secondary winding as used on the original. Extra-heavy duty filament windings. No changes necessary to install this unit. Ship. wt. 1 1/2 lbs.

**XC2110** Your Cost ..... **\$3.25**

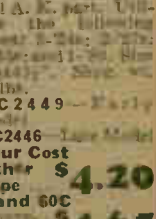


## Models 55, 55C

This transformer is identical to the original A. K. Part 1. Utilizes the following tubes: 1-250, 1-250, 1-71A, 1-80, 1-80, 1-80, 1-80. Ship. wt. 1 1/2 lbs.

**XC2449** - Early Model  
**XC2446** - Late Model  
Your Cost  
Either \$ **4.20**  
Type

Similar in appearance to above  
**XC2246** Your Cost ..... **\$4.65**





# RCA RADIOLA VICTOR POWER TRANSFORMERS



## Brand New! VICTOR Replacement Power Transformer Models R-32, R-52, RE-45 and RE-75

These replacement transformers are constructed of metal, brass and aluminum in accordance with the original design. They are made of the best materials available. The basic material in the making of these transformers is a dependable replacement unit. Without the following dimensions: 6-2/8" x 2-1/2" x 1-1/2". Fully enclosed in a lower grade case. In order to allow for the proper transformer, the metal mounting plate in each unit will fit the chassis exactly. You need not rearrange terminals as the original. NO CHANGES NECESSARY TO INSTALL THIS REPLACEMENT UNIT

Ship wt. 14 lbs.

XC2185 Your Cost

**\$2.65**

## RCA Victor Models R-50, R-55, RE-20, RAE-59 and RAE-79 General Electric H-32, H-72 Graybar GB-100



Original replacement. Supplies voltage for 7 heater tubes: 2-45 and 1-80. Ship wt. 14 lbs. 110-0-110, 60-cycle.  
XC2190 Your Cost **\$3.45**  
Same as above, except for use on 220-volt, 60-cycle.  
XC2457 Your Cost **\$4.95**

- Radiola Models 80, 82, 86  
Graybar Models 700, 770, 900  
General Electric H31, 51, 71  
Westinghouse Models WR5, 6, 7, 8**
- Part No. 8576. Genuine replacement. 50 to 60 cycle. Ship wt. 15 1/2 lbs.  
XC2156 Your Cost **\$1.95**
- Part No. 8576. Genuine replacement. 25-0-25 operation. Ship wt. 15 1/2 lbs.  
XC2181 Your Cost **\$2.95**

- Victor Models 35, 39, RE57, RE73**
- Part No. 8917. Genuine replacement. 50 to 60 cycle. Ship wt. 15 lbs.  
XC2195 Your Cost **\$1.95**
- Part No. 8918. Genuine replacement. 25-0-25 operation. Ship wt. 15 1/2 lbs.  
XC2482 Your Cost **\$4.95**

- RCA-Victor Models 140, 141, 240**
- Genuine Part No. 9042. Ship wt. 7 lbs.  
XC2010 Your Cost **\$4.10**

- RCA-Victor Midget Models R-100 and R-101**
- The Genuine RCA replacement transformer, Part No. 9484 for 110 to 120-volt, 50 to 60 cycle operation. Ship wt. 1 lb.  
XC2011 Your Cost **\$1.92**



- RCA-Victor Models R11, 18 and 18A, RAE-26, R-21**
- Westinghouse WR-15  
G.E. Model K-62  
Graybar GB-9**
- Original replacement for above models. Part No. 9272. Ship wt. 1 lb.  
XC2189 Your Cost **\$3.95**



- RCA-Victor R-7 "Superette",  
General Electric S-22,  
Graybar S Midget**
- Genuine Part No. 9271. Ship wt. 7 lbs.  
XC2187 Your Cost **\$2.50**

## Radiola Models 17, 18, 33, 50, 51 Victor 7-14, 7-25, 7-26 Graybar 311

- Part No. 8277-8285. Genuine replacement. 50 to 60 cycle. Ship wt. 9 lbs.  
XC2150 Your Cost **\$1.45**
- Part No. 8346. 25-cycle operation. Genuine replacement. Ship wt. 11 lbs.  
XC2151 Your Cost **\$3.20**



- RCA 44, 46, 47 Graybar 500, 550**
- Part No. 8472. Exact duplicate of the original. Ship wt. 10 1/2 lbs.  
XC2152 Your Cost **\$2.65**
- Part No. 8473. Exact duplicate of the original. For 25-cycle. Ship wt. 12 lbs.  
XC2191 Your Cost **\$4.25**
- RCA 60, 62 Graybar Model 340  
Brunswick 3NC8, 5NC-8**
- Part No. 8744. Exact duplicate of the original. 50 to 60 cycle. Ship wt. 19 lbs.  
XC2153 Your Cost **\$2.65**
- Part No. 8804. Exact duplicate of the original. For 25-cycle. Ship wt. 12 lbs.  
XC2191 Your Cost **\$4.25**

- Radiola 66 Graybar 600**
- Part No. 8408. Exact duplicate of the original. 50 to 60 cycle. Ship wt. 13 lbs.  
XC2154 Your Cost **\$3.15**
- Part No. 8409. Genuine replacement. 25-cycle operation. Ship wt. 15 lbs.  
XC2193 Your Cost **\$4.45**

## Radiola 42 and 48 Victor 14, 15, 17 Westinghouse WR-4 G.E. Model T-41 Graybar 678, RC-3

- Genuine RCA Part No. 9041 for above sets. Ship wt. 1 lb.  
XC2155 Your Cost **\$2.20**
- Same as above, for 220-volt, 25-cycle operation. Ship wt. 22 lbs.  
XC2143 Your Cost **\$3.95**



- RCA-Victor R71, R76, R77, RE-61  
General Electric J-105, J-107**
- Genuine Part No. 9022. Ship wt. 1 lb.  
XC2107 Your Cost **\$3.95**
- RCA-Victor Models R37, R38, 121  
General Electric R-50, R-45**
- Genuine Part No. 9023. Ship wt. 6 lbs.  
XC2109 Your Cost **\$2.88**
- RCA-Victor R28, RE-40, 110, 111,  
115, 116, 118, G.E. K-52, K-54**
- Genuine Part No. 9024. Ship wt. 9 lbs.  
XC2108 Your Cost **\$2.56**

# Majestic Replacement Power Transformers



- Majestic Model 200**  
Majestic Part No. 6243. Ship wt. 7 lbs.  
XC2043 Your Cost **\$3.25**
- Majestic Model 300**  
Majestic Part No. 7921. Ship wt. 7 lbs.  
XC2044 Your Cost **\$3.25**

- Majestic Model 310A**  
Majestic Part No. 7846. Ship wt. 7 lbs.  
XC2045 Your Cost **\$2.10**

- Majestic Model 310B**  
Majestic Part No. 8265. Ship wt. 7 lbs.  
XC2046 Your Cost **\$2.25**

- Majestic Model 330**  
Majestic Part No. 8177. Ship wt. 7 lbs.  
XC2047 Your Cost **\$1.95**

- Majestic Model 390**  
Majestic Part No. 9182. Ship wt. 7 lbs.  
XC2048 Your Cost **\$2.25**

- Majestic Model 800**  
Majestic Part No. 11031. Ship wt. 7 lbs.  
XC2049 Your Cost **\$2.25**

- Majestic Model 130A**  
Majestic Part No. 891. Ship wt. 7 lbs.  
XC2130 Your Cost **\$3.65**

# PHILCO POWER TRANSFORMERS



**Guaranteed Replacements**

Designed for Philco Replacements, Guaranteed to be equal to the original General purpose replacement. The usual method of installing these transformers makes possible a very neat arrangement with all wires tight and in place. At 10 lbs. they are furnished with each transformer with primary.

All have 110-volt. 60 cycle.

Model	Line Volt (0-250-0)	Philco Part No.	Ship. Wt. (Lbs.)
20-25	250-0-250	4154	XC1958
25	250-0-250	4155	XC1959
30	250-0-250	4156	XC1960
35	250-0-250	4157	XC1961
40	250-0-250	4158	XC1962
45	250-0-250	4159	XC1963
50	250-0-250	4160	XC1964
55	250-0-250	4161	XC1965
60	250-0-250	4162	XC1966
65	250-0-250	4163	XC1967
70	250-0-250	4164	XC1968
75	250-0-250	4165	XC1969
80	250-0-250	4166	XC1970
85	250-0-250	4167	XC1971
90	250-0-250	4168	XC1972
95	250-0-250	4169	XC1973
100	250-0-250	4170	XC1974
105	250-0-250	4171	XC1975
110	250-0-250	4172	XC1976
115	250-0-250	4173	XC1977
120	250-0-250	4174	XC1978
125	250-0-250	4175	XC1979
130	250-0-250	4176	XC1980
135	250-0-250	4177	XC1981
140	250-0-250	4178	XC1982
145	250-0-250	4179	XC1983
150	250-0-250	4180	XC1984
155	250-0-250	4181	XC1985
160	250-0-250	4182	XC1986
165	250-0-250	4183	XC1987
170	250-0-250	4184	XC1988
175	250-0-250	4185	XC1989
180	250-0-250	4186	XC1990
185	250-0-250	4187	XC1991
190	250-0-250	4188	XC1992
195	250-0-250	4189	XC1993
200	250-0-250	4190	XC1994
205	250-0-250	4191	XC1995
210	250-0-250	4192	XC1996
215	250-0-250	4193	XC1997
220	250-0-250	4194	XC1998
225	250-0-250	4195	XC1999
230	250-0-250	4196	XC2000
235	250-0-250	4197	XC2001
240	250-0-250	4198	XC2002
245	250-0-250	4199	XC2003
250	250-0-250	4200	XC2004

Any of the above models  
Your Cost **\$2.45**

Perfect Merchandise - Prompt Shipment - Personal Service



# TRANSFORMERS



Name of Radio and Model	Stock No.	Your Cost
<b>GRAYBAR—(Cont.)</b>		
460 and 500, 25 cycle	XC2192	\$4.40
460, 60 cycle	XC2153	2.65
678, RC-1, 60 cycle	XC2155	2.20
678, RC-2, 25 cycle	XC2143	3.95
678, RC-2, 220 volt	XC2144	1.95
693, 60 cycle	XC2154	3.15
700, 770, 900, 60 cycle	XC2156	1.95
700, 770, 900, 25 cycle	XC2141	2.95
709, 770, 900, 220 volt	XC2142	2.25
Midget K, 60 cycle	XC2187	2.50
Midget K, 25 cycle	XC2145	3.95
Midget K, 220 volt	XC2146	4.10
Cadet No. 1, 60 cycle	XC2188	2.25
Cadet No. 1, 25 cycle	XC2147	2.65
Cadet No. 1, 220 volt	XC2148	3.70
Cadet No. 4, 60 cycle	XC2189	3.95
Cadet No. 4, 25 cycle	XC2149	5.25
Cadet No. 4, 220 volt	XC2069	5.25
7-100, 60 cycle	XC2190	3.45
7-100, 220 volt	XC2457	4.75
<b>GRTBE</b>		
K-1	XC2235	\$3.75
AC-6	XC2231	3.75
HS-4, 1.5, 2 volt W.D.	XC2223	3.50
HS-4, 2, 2.5, 1.5 volt W.D.	XC2224	3.50
AH-1	XC2228	4.50
112 A	XC2229	4.95
<b>GULBRANSEN</b>		
Series 65, AC-6	XC2238	\$7.20
"C", 9.0 In.	XC2316	9.10
<b>KENNEDY</b>		
10 and 20	XC2359	\$2.85
24 and 34	XC2390	3.85
<b>KOLSTR</b>		
K-20, K-21, K-22, K-23	XC2052	\$4.75
K-25, 60 cycle	XC2053	5.95
K-20, K-21, K-22, K-23, K-25, 25 cycle	XC2054	5.35
K-21 and K-18	XC2051	4.60
K-4	XC2055	5.85
6-J and 6-K	XC2066	3.85
International K-60, K-70	XC2067	3.90
International K-80, K-90	XC2068	3.90
<b>MAJESTIC</b>		
70, 71, 72, 7-HP6, Plate Filament	XC2125	\$3.85
90, 91, 92, 9-HP6, Plate Filament	XC2100	1.35
100, 8-HP, Plate Transf.	XC2169	4.25
70 Series, Filament Transformer 7-HP6	XC2105	.75
90-B, 110-110-150	XC2127	3.90
110, 110-151, 153, 154	XC1491	1.75
Class 40: 21, 22, 23	XC2129	3.95
Class 40: 160, 61, 62, 163	XC2131	3.85
Class 40: 53	XC2132	3.85
Class 100: 150, 151, 152	XC2130	3.65
20 S-Pole	XC2136	3.95
2 S-Pole	XC2128	3.80
60, 100, 25 cycle	XC2138	6.25
100, 25 cycle	XC2139	6.25
25 cycle	XC2121	6.25
60, 25 cycle	XC2122	6.25
60, 25 cycle	XC2123	6.75
70	XC2110	4.25
70, 25 cycle	XC2111	6.25
34, 36	XC2099	4.25
210, 211, 214, 215	XC2097	4.40
<b>PEERLESS</b>		
Series 21 Electrostatic	XC2140	\$4.75
Series 62, 651, 652 and 653	XC2290	2.50

Name of Radio and Model	Stock No.	Your Cost
<b>PHILCO</b>		
50 and 770	XC1909	\$2.95
70	XC1955	2.45
21	XC1910	3.50
	XC1951	2.45
	XC1956	2.45
70	XC1957	2.45
76 and 111	XC1958	2.45
	XC1960	2.45
	XC1959	2.45
	XC1961	2.45
	XC1952	2.60
	XC1963	2.60
	XC1911	2.45
	XC1962	2.60
	XC1963	2.45
	XC1954	2.45
	XC1964	2.60
<b>RCA-RADIOLA</b>		
11, 14, 21, 20, 31, 30 cycle	XC2175	\$3.85
11, 14, 21, 20, 31, 30 cycle	XC2150	1.45
14, 21, 25, 30, 31, 30 cycle	XC2151	3.20
14, 21, 25, 30, 31, 30 cycle	XC2152	2.65
14, 21, 25, 30, 31, 30 cycle	XC2192	4.40
50 and 60, 60 cycle	XC2153	2.65
60 and 62, 25 cycle	XC2191	4.25
60, 60 cycle	XC2154	3.15
60, 25 cycle	XC2195	8.50
60 and 60, 60 cycle	XC2157	8.50
60 and 60, 25 cycle	XC2198	12.75
60 and 60, 25 cycle	XC2155	2.20
60, 60, 25 cycle	XC2443	3.95
60, 60, 60 cycle	XC2156	1.95
60, 60, 25 cycle	XC2141	2.95
60, 60, 220 volt	XC2142	2.25
60, 60, 60 cycle	XC2187	2.50
60, 60, 25 cycle	XC2145	3.95
60, 60, 25 cycle	XC2146	4.10
60, 60, 25 cycle	XC2188	2.25
60, 60, 25 cycle	XC2147	2.65
60, 60, 25 cycle	XC2148	3.70
R-11, R-12 and R-14, 60 cycle	XC2189	3.95
R-11, R-12 and R-14, 25 cycle	XC2149	5.25
R-11, R-12 and R-14, 220 volt	XC2069	5.25
R-10, R-13 and R-20, 60 cycle	XC2190	3.45
R-8, R-10, R-12, 60 cycle	XC2112	3.50
R-8, R-10, R-12, 25 cycle	XC2113	6.95
R-3, R-10, R-12, 220 volt	XC2114	5.40
R-71, R-72	XC2117	3.25
Bi-Acoustic R-73	XC2116	4.75
R-4, R-6	XC2454	1.90
RC-74, 76, 77, RC-81	XC2007	3.95
<b>SONORA</b>		
A-41	XC2275	\$3.40
<b>SPARTAN</b>		
AC-2, 42 and 60	XA229	\$2.30
60, 70, 70-A and 80	XA230	3.75
80	XA228	1.85
39-A	XA231	6.30
39-A Super Ensemble and D-Lens	XA232	6.90
101, 110, 111, 574 and 870	XA233	4.45

**NOTE**

We can supply any transformer not shown in the listing at the very lowest prices. Write us, giving name and model number of the receiver, and we will quote immediately.

Name of Radio and Model	Stock No.	Your Cost
<b>SPARTAN—(Cont.)</b>		
101, 110, 111, 574 and 870	XA234	\$3.85
101, 110, 111, 574 and 870	XA235	5.75
101, 110, 111, 574 and 870	XA236	3.75
101, 110, 111, 574 and 870	XA250	3.50
101, 110, 111, 574 and 870	XA251	3.85
101, 110, 111, 574 and 870	XA253	1.75
<b>SPLITDORF</b>		
5-16 Plate Transformer	XA254	\$3.40
<b>STEINITE</b>		
10, 40-A, 40B and 45A	XC2276	\$3.35
20, 30 and 35	XC2217	2.95
201, 202, C, C-1, C-2, C-3	XC2494	7.40
<b>STEWART-WARNER</b>		
950 Series, 977, 982, 978, 961, 962, 963	XC2272	\$3.65
100-A and 100-B	XC2242	\$5.75
110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000	XC2204	3.40
101, 110, 111, 574 and 870	XC2218	3.40
101, 110, 111, 574 and 870	XC2216	3.40
<b>STROMBERG-CARLSON</b>		
10, 11, 25 and 35	XC2370	\$3.75
12 and 14	XC2282	4.85
15, 20, 22 and 22A	XC2371	3.85
25	XC2372	3.75
35, 35, 40, 41	XC2392	3.95
45 and 60	XC2256	3.80
60, 60, 60 cycle	XC2249	6.80
60, 60, 60 cycle	XC2257	3.85
60 and 60	XC2258	4.20
60 Single Transformer	XC2346	3.40
Model 400, 410, 25 cycle	XC2439	7.25
<b>VICTOR</b>		
1-22, R1-16, R-52 and R1-16 (60 cycle)	XC2185	\$2.65
17	XC2155	2.20
17, 20 and 27, 60 cycle	XC2195	1.95
17, 20 and 27, 60 cycle	XC2442	4.95
7-11, 7-20, 7-25 and 17-60 cycle	XC2150	1.45
9-12 and 9-25	XC2157	8.50
9-12 and 9-25, 60 cycle	XC2198	12.25
R-7-AC	XC2187	2.50
R-7-AC	XC2188	2.25
R-11	XC2189	3.95
RAE-39, RAE-70, 60 cycle	XC2190	3.45
RAE-59, RAE-79, 220 volt, 60 cycle	XC2457	4.75
<b>WESTINGHOUSE</b>		
WR-3	XC2155	\$2.20
WR-7, WR-8 and WR-9	XC2156	1.95
WR-10 A	XC2187	2.50
WR-14	XC2188	2.25
WR-15	XC2189	3.95
<b>ZENITH</b>		
30-00 and 70 Series; Z1, 50, 25-A, 25-B Power Units	XC1980	\$3.65
25-A, 25-B, P. X. 27, Z, Z1, Z2, Z3 Plate Transformer	XC1983	3.30
Super Hot, 10, 11 and 12, 60 cycle	XC1981	3.25
30, 40, 70 Series, 25 cycle	XC1988	6.25
XC109	XC1978	2.45
81, 90	XC1984	4.25
21-21 Plate Transformer	XC1985	4.25
Z1-1 Plate Transformer	XC1976	3.25
P. F. P. T. 100A	XC1977	3.75



## RCA Victor R-7 Superette General Electric S-22 Graybar 8 Midget

This is the original RCA Power Transformer used in the above mentioned RCA Parts Nos. 8679. It is one of a type which uses thin film copper for the windings and is guaranteed to provide rapidly changing and steady voltage for the all size tubes: 25A0, 25B0, 25C0, 25D0, 25E0, 25F0. This transformer may be used in other radios and will give excellent performance on 110 to 220 volt lines.



XC187 - Your Cost **\$2.50**

## Radiola Models 42 and 48 Victor Models 14, 15 and 17 Westinghouse Model WR-4 General Electric Model T-41 Graybar 678, RC-3

The famous RCA power transformer for the above mentioned Radiola Models 42 and 48, Victor Models 14, 15 and 17, Westinghouse Model WR-4, General Electric Model T-41, Graybar 678, RC-3, etc., is a type which uses thin film copper for the windings and is guaranteed to provide rapidly changing and steady voltage for the all size tubes: 25A0, 25B0, 25C0, 25D0, 25E0, 25F0. This transformer may be used in other radios and will give excellent performance on 110 to 220 volt lines.



XC2113 - Your Cost **\$3.95**

## Special 4-Tube Midget Transformer

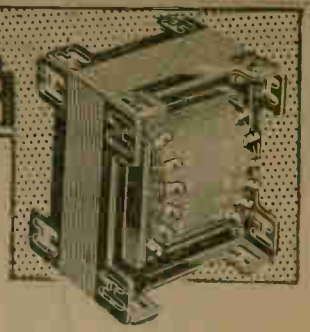
A special Midget transformer designed for use in the popular RCA, Victor, Radiola, Westinghouse, General Electric, Graybar, and other radios, is now available at a special price. It is a type which uses thin film copper for the windings and is guaranteed to provide rapidly changing and steady voltage for the all size tubes: 25A0, 25B0, 25C0, 25D0, 25E0, 25F0. This transformer may be used in other radios and will give excellent performance on 110 to 220 volt lines.



XC152 - Your Cost, Special **75¢**

To Speed Handling of YOUR Order -- Use Our Order Blank

# Truest UNIVERSAL REPLACEMENTS



## Built for Extra Heavy Duty Service

The most complete line of universal replacement power transformers, with double tube connections and adjustable mounting flanges that permit an exact range of mounting adjustment for all practical purposes. They are an exceptionally designed and especially built that they are built to a standard and make it possible to be handled and assembled by means of one of the types mentioned on this page. We are ready to advise you about their characteristics to be fitted by actual use, and because we know them to be a quality product of a reputation for excellence. One such quality you will realize after 200 different sets of information. The very finest grade of copper, aluminum, and steel is used in the construction of these products. Making them a superior line of products. Especially built to meet a large scale demand. Prepared with the following information on a Truest ADP.

### For New Type Sets

8 to 10 Tubes

- For 7-227's or 227's, 2-171A's, 2-247's, 1-280. Secondary: 110 volts 50-60 cycles. Secondary: (1) 100 volts C.T. 110 M.A. (plate).
- (2) 5 volts C.T. 2 amp. (1-280 filament).
- (3) 2.5 volts C.T. 2.5 amp. (2-171's filament).
- (4) 2.5 volts C.T. 8.75 amp. (2-227's or 227's filament). Shpg. wt. 9 lbs.
- 110 volts 50-60 cycles.

**\$2.10**  
Your Cost

- For 110 volt 25 cycle. Shpg. wt. 10 lbs.

**\$3.95**  
Your Cost

10 to 12 Tubes

- For 7-227's or 227's, 2-171A's, 2-247's, 1-280. Primary: 110 volts 50-60 cycles. Secondary: (1) 100 volts C.T. 110 M.A. (plate).
- (2) 5 volts C.T. 2 amp. (1-280 filament).
- (3) 2.5 volts C.T. 3.5 amp. (2-171's or 247's filament).
- (4) 2.5 volts C.T. 12.25 amp. (7-227's or 227's filament). Shpg. wt. 10 lbs.
- 110 volts 50-60 cycles.

**\$2.55**  
Your Cost

- For 110 volt 25 cycle. Shpg. wt. 10 lbs.

**\$4.50**  
Your Cost

### Physical Dimensions

**XC1461 XC1476 XC1477**  
Overall dimensions: 4 1/2" x 4 1/2" x 2 1/2". Mounting dimensions: 1 1/2" x 2 1/2" x 2 1/2".  
**XC1475**  
Overall dimensions: 4 1/2" x 4 1/2" x 2 1/2". Mounting dimensions: 1 1/2" x 2 1/2" x 2 1/2".  
All Truest universal replacement power transformers are built to meet the following specifications:  
The special mounting flange on these Truest Universal Power Transformers allows the replacement of a high quality replacement that can be mounted in a vertical, horizontal and other mounting position. It is stamped and printed on the transformer oil near the respective flange and can not be lost.

### NOTE

We carry in stock at all times, a most complete line of every type and style of power transformers. Special power transformers, requiring different type windings, can be supplied at a most reasonable cost, to your own specifications. We will be pleased to quote on large quantities to jobbers and set manufacturers.

### For Old Type Sets

8 to 10 Tubes

- For 7-227's, 227's, 2-171A's, 1-280. Primary: 110 volts 50-60 cycles. Secondary: (1) 100 volts C.T. 80 M.A. (plate).
- (2) 5 volts C.T. 2 amp. (1-280 filament).
- (3) 2.5 volts C.T. 1.25 amp. (2-171A's filament).
- (4) 5 volts C.T. 1 amp. (2-171A's filament).
- (5) 2.5 volts C.T. 3 amp. (2-227's filament). Shpg. wt. 8 lbs.
- 110 volts 50-60 cycles.

**\$2.30**  
Your Cost

- For 110 volt 25 cycle. Shpg. wt. 10 lbs.

**\$4.25**  
Your Cost

7 to 9 Tubes

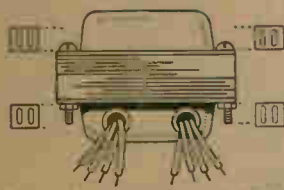
- For 7-227's or 227's, 2-171A's, 1-280. Primary: 110 volts 50-60 cycles. Secondary: (1) 100 volts C.T. 70 M.A. (plate).
- (2) 5 volts C.T. 2 amp. (1-280 filament).
- (3) 2.5 volts C.T. 3 amp. (2-171's filament).
- (4) 2.5 volts C.T. 10.5 amp. (7-227's or 227's filament). Shpg. wt. 6 lbs.
- 110 volts 50-60 cycles.

**\$2.30**  
Your Cost

- For 110 volt 25 cycle. Shpg. wt. 10 lbs.

**\$4.25**  
Your Cost

### LEHIGH "Vari-mount" Power Transformers



Lehigh transformers are supplied with side brackets on each side and a specially designed removable corner mounting posts. With this combination practically any type of mounting is possible with a choice of 12 mounting holes. Leads are color coded. All have 115 volts 50-60 cycle primaries.

Either one or both sides may be dispensed with according to the mounting possible in your transformer case or below the chassis.

- XC1800** For 4 or 6 tubes. Secondary: (1) 2.5 volts at 60 M.A.; (2) 5 volts at 3 amp.; (3) 2.5 volts C.T. at 1.25 amp.; (4) 6.5 volts C.T. at 1.75 amp. Dimensions 3 1/2" x 3 1/2" overall. Shpg. wt. 6 lbs.

**\$2.30**  
Your Cost

- XC1801** For 4 or 7 tubes. Secondary: (1) 2.5 volts at 70 M.A.; (2) 5 volts at 3 amp.; (3) 2.5 volts C.T. at 1.25 amp.; (4) 2.5 volts C.T. at 4 amp.; (5) 6.5 volts C.T. at 2.75 amp. Dimensions 3 1/2" x 3 1/2" overall. Shpg. wt. 6 lbs.

**\$2.85**  
Your Cost

- XC1802** For 8 or 9 tubes. Secondary: (1) 2.5 volts at 110 M.A.; (2) 5 volts at 3 amp.; (3) 2.5 volts C.T. at 1.25 amp.; (4) 2.5 volts C.T. at 4 amp.; (5) 6.5 volts C.T. at 2.75 amp. Dimensions 3 1/2" x 3 1/2" overall. Shpg. wt. 6 lbs.

**\$3.15**  
Your Cost

- XC1803** For 10 or 11 tubes. Secondary: (1) 2.5 volts at 120 M.A.; (2) 5 volts at 3 amp.; (3) 2.5 volts C.T. at 1.25 amp.; (4) 2.5 volts C.T. at 4 amp.; (5) 6.5 volts C.T. at 2.75 amp. Dimensions 3 1/2" x 3 1/2" overall. Shpg. wt. 6 lbs.

**\$3.27**  
Your Cost

### Truest "Moisture-Proof" 28 Watt Power Amplifier Transformer



Designed especially for use in power amplifier having ratings up to 28 watts. All secondaries are full voltage. Ratings are conservative and include tube heater. Transformer is equipped with added leads. Primary 110-120 volts 50-cycle. Secondary: 1200 volts at 200 M.A. center tapped, 2.5 volts at 4 amp., 2.5 volts at 8 amp., 5 volts at 4 amp., all secondaries center tapped. Shpg. wt. 2 1/2 lbs.

- XN14599**—Low \$16.00.  
Your Cost, Special **\$7.95**

### 15 Watt Power Amplifier Transformer

Though designed for small (up to 15 watts) amplifiers, this transformer is listed above 150 and 100 watts at 100 M.A. and is conservative rated. Tubes and heater leads are included. Transformer is equipped with added leads. Primary 110-120 volts 50-cycle. Secondary: 1900 volts at 110 M.A. center tapped, 2.5 volts at 4 amp., 2.5 volts at 8 amp., 5 volts at 4 amp., all secondaries center tapped. Shpg. wt. 1 1/2 lbs.



- XN14598**  
Your Cost, Special **\$6.45**

**NOTE**  
We can supply transformers to your specifications for any power amplifier. We will give full details, for quotations.

### Truest "Bottom Shell" Transformers



A completely shielded transformer approved by the Underwriters.

- For 5 to 6 Tubes**  
Secondary: 5 volts at 3 amp., 2.5 volts at 5 amp., 2.5 volts C.T. at 1 amp., 6.5 volts C.T. at 50 M.A. Dimensions: 4 1/2" x 4 1/2" x 2 1/2". Shpg. wt. 5 lbs.

- For 6 and 7 Tubes**  
Secondary: 2.5 volts at 7 amp., 2.5 V.C.T. at 3 amp., 5 volts at 5 amp., 700 volts C.T. at 70 M.A. Dimensions: 4 1/2" x 4 1/2" x 2 1/2". Primary: 110 volts 50-60 cycles. Shpg. wt. 6 lbs.

- For 8 and 9 Tubes**  
Secondary: 2.5 volts at 10.5 amp., 2.5 volts C.T. at 3 amp., 5 volts at 5 amp., 700 volts C.T. at 90 M.A. Dimensions: 4 1/2" x 4 1/2" x 2 1/2". Primary: 110 volts 50-60 cycles. Shpg. wt. 6 lbs.

- XC1452** Your Cost **\$2.05**

### Universal Replacement For 8 and 9-Tube Receivers

For 8 and 9 Tubes, 2-171's and 1-280 Receiver

This is the best general replacement transformer that has been used in many of the best receivers. Can be used in 8 and 9 tube receivers. Secondary: 110 M.A. 2.5 volts at 100 M.A. 2.5 volts at 5 amp., 5 volts at 5 amp., 5 volts at 2 amp. Primary: 110-120 volts 50-60 cycles. Shpg. wt. 8 lbs.



- Mounting dimensions 2 1/2" x 2 1/2" x 1 1/2". Shpg. wt. 8 lbs.
- XC1488**  
Your Cost **\$2.65**

# Trutest De Luxe AUDIOS

## The Most Comprehensive Line of DELUXE AUDIO EQUIPMENT AVAILABLE



The excellent performance of Trutest DeLuxe Audio Equipment is due to intelligent design, unusual care in manufacture and selection of high quality material. Special high quality steel is used in the core laminations and a coil structure is employed which provides low distributed capacity, low capacity coupling and a high coupling factor. In all cases where a tap is brought out, it is done between sections and never from within the winding. Coils are layer wound and carefully tested. Failure due to coil defects are almost unheard of.

Core steel is treated for maximum magnetic value. Dimensional accuracy of laminations and assembly insures complete freedom from the perplexing hum caused by even a slight irregularity in these respects. Maintenance of such high standards of material and workmanship is possible through our policy of laboratory controlled production. Our engineers are responsible for factory production as well as design. Shielded in a heavy gauge steel case, with a pleasing black shrivel finish. Size  $2\frac{1}{4} \times 2\frac{1}{2} \times 3\frac{1}{2}$ ". Average shpg. wt. 3 lbs.



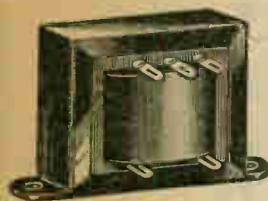
Inter-Stage Audios	
XC1580—1st Stage Audio, DeLuxe, ratio $3\frac{1}{2}$ :1.	<b>Your Cost</b> ..... <b>\$2.40</b>
XC1579—Push-pull Input, DeLuxe, ratio $2\frac{1}{2}$ :1.	<b>Your Cost</b> ..... <b>\$2.50</b>
XC1582—Push-pull Plates to push-pull grids, ratio 1.75:1.	<b>Your Cost</b> ..... <b>\$2.45</b>
XC1577—Push-pull Input, split secondaries, isolated, ratio 1.75:1.	<b>Your Cost</b> ..... <b>\$2.75</b>

Tube-to-Line Transformers	
XC1591—Two 43, 171A, 250 or 245 type tubes to 500 ohm line, 15 ohm winding for voice coil or monitor.	<b>Your Cost</b> ..... <b>\$3.45</b>
XC1592—Two 18, 20, 33, 41, 42, 47, 59, 2A5 type tubes to 500 ohm line, 15 ohm winding for voice coil or monitor.	<b>Your Cost</b> ..... <b>\$3.45</b>
XC1593—Operating out of General purpose to 500 and 200 ohm lines.	<b>Your Cost</b> ..... <b>\$3.45</b>
XC1943—Two 2A3 type tubes to a 250, 500, 1000 ohm line.	<b>Your Cost</b> ..... <b>\$2.95</b>

Mixer Transformers	
XC1587—Input, two button microphone, 200 ohm to grid of tube.	<b>Your Cost</b> ..... <b>\$2.25</b>
XC1590—Input, two button microphone, 200 ohm to 500 ohm line.	<b>Your Cost</b> ..... <b>\$2.75</b>
XC1598—Input, two button microphone, 200 ohms to a 50 ohm output. For using four microphones with four of these transformers; with secondaries in series feeding into a 200 ohm line.	<b>Your Cost</b> ..... <b>\$2.75</b>
XC1944—Velocity ribbon microphone to a 200 and 500 ohm line.	<b>Your Cost</b> ..... <b>\$2.95</b>
XC1936—50, 200, 500 ohm line to 50, 200, 500 ohm line.	<b>Your Cost</b> ..... <b>\$2.95</b>
XC1937—Universal line to grid of a tube.	<b>Your Cost</b> ..... <b>\$2.75</b>

DeLuxe Screen Grid Audio Coupler	
Used to couple a screen grid detector to an audio tube. Gives three times the amplification of resistance coupling. Size $3\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{4}$ ". Shpg. wt. 3 lbs.	<b>Your Cost</b> ..... <b>\$2.45</b>

Output Coupling Transformers	
XC1930—Single 171A-245-43-50 output to a dynamic speaker 2-8-15 ohm voice coil.	<b>Your Cost</b> ..... <b>\$2.40</b>
XC1584—Push-pull 45-71A-43-50 output to a dynamic speaker 2-8-15 ohm voice coil.	<b>Your Cost</b> ..... <b>\$2.50</b>
XC1931—Single 18-20-33-41-42-47-59-2A5 output to a high impedance magnetic speaker.	<b>Your Cost</b> ..... <b>\$2.40</b>
XC1933—Single 18-20-33-41-42-47-59-2A5 output to a dynamic speaker 2-8-15 ohm voice coil.	<b>Your Cost</b> ..... <b>\$2.95</b>
XC1585—Push-pull 10-18-20-33-41-42-46-47 2A5-59 (Class B) output to a 2-8-15 ohm voice coil of a dynamic speaker.	<b>Your Cost</b> ..... <b>\$2.50</b>
XC1934—Push-pull 2A3-48 output to a dynamic speaker 2-8-15 ohm voice coil.	<b>Your Cost</b> ..... <b>\$2.50</b>
XC1947—Push-pull Class B 49s (53-79-B9) (Class A 38s) to a dynamic speaker 2-8-15 ohm V. C.	<b>Your Cost</b> ..... <b>\$2.50</b>



## Trutest Standard Replacement Audios and Chokes

This complete line of TRUTEST Replacement Audios, Outputs and Chokes, has been very popular with the radio servicemen in their daily work of replacing defective audio parts of radio receivers. Only the best material and workmanship is used in construction of these transformers. TRUTEST replacement Audios and Chokes are of medium size, semi-open form, with strap mounting and bottom plate, cadmium plated. Average size  $3\frac{1}{4} \times 2\frac{1}{2} \times 1\frac{3}{4}$ ". Mounting centers, spaced  $2\frac{1}{8}$ ". Shipping weight 3 lbs.

Outputs	
XC1553—Output, Single '45 type tube to a 5-15 ohm voice coil of dynamic speaker.	<b>Your Cost</b> ..... <b>57¢</b>
XC1554—Output Push-pull '45s type tubes to a 5-15 ohm voice coil of dynamic speaker.	<b>Your Cost</b> ..... <b>62¢</b>
XC1555—Output, Single Pentode '47 to a 5-15 ohm voice coil of dynamic speaker.	<b>Your Cost</b> ..... <b>77¢</b>
XC1556—Output, Push-pull Pentodes, to a 5-15 ohm voice coil of dynamic speaker.	<b>Your Cost</b> ..... <b>75¢</b>
XC1564—Output, Push-pull, 49's Class B, to a 5-15 ohm voice coil of dynamic speaker.	<b>Your Cost</b> ..... <b>\$1.15</b>
XC1566—Output, Push-Pull 2A3's, to a 5-15 ohm voice coil of dynamic speaker.	<b>Your Cost</b> ..... <b>\$1.59</b>

Filter Chokes	
XC1557—Choke, 25 henry. 25 M. A. maximum D. C. Resistance of 830 ohms.	<b>Your Cost</b> ..... <b>69¢</b>
XC1558—Choke, 11 henry. 60 M. A. maximum D. C. Resistance of 300 ohms.	<b>Your Cost</b> ..... <b>69¢</b>
XC1570—Choke, Heavy Duty, 30 henry. 125 M. A. maximum D. C. Resistance of 200 ohms.	<b>Your Cost</b> ..... <b>89¢</b>

Audios	
XC1550—Audio, either stage of straight audio amplification. Ratio 3:1.	<b>Your Cost</b> ..... <b>59¢</b>
XC1551—Push-pull Input, from single plate to 2 grids. Ratio 2.5:1.	<b>Your Cost</b> ..... <b>62¢</b>
XC1552—Push-pull Inter-stage, between 2 plates and 2 grids. Ratio 1.75:1.	<b>Your Cost</b> ..... <b>\$1.05</b>
XC1562—Push-pull Input, Split Secondaries (isolated), between 1 plate and 2 grids. Ratio 1.75:1.	<b>Your Cost</b> ..... <b>\$1.08</b>

Special Line Transformer	
A special transformer with coil wound on a $\frac{1}{4}$ " core of special high permeability iron. Frequency characteristics exceptionally fine. Low loss factor.	<b>Your Cost, Special</b> ..... <b>\$2.75</b>

Matching Transformers	
XC1561—Double Button Microphone transformer, 200 ohms each side of center-tap.	<b>Your Cost</b> ..... <b>\$1.15</b>

## Trutest Midget Transformers and Chokes



An extremely compact, yet highly efficient series of transformers and chokes particularly suited for use in auto radio receivers and A. C.-D. C. compact radios. They can however be used in any type of receiver or amplifier. Unshielded strap mounting type with rust resisting frame. Dimensions  $1\frac{1}{2} \times 1\frac{1}{8}$ ". Mounting centers  $2\frac{1}{8}$ " apart.

Transformers	
XC1619—Interstage audio, ratio $3\frac{1}{2}$ :1.	<b>Your Cost</b> ..... <b>54¢</b>
XC1620—Push-pull Input, ratio 1.5:1.	<b>Your Cost</b> ..... <b>59¢</b>
XC1607—Single Output: 45, 48, 71A, 43, etc. to 5-15 ohm voice coil.	<b>Your Cost</b> ..... <b>59¢</b>
XC1609—Single Output: 47, 59, 33, 2A5, 89, 31, 27, 42, 18, etc., to 5-15 ohm voice coil.	<b>Your Cost</b> ..... <b>59¢</b>
XC1614—Push-pull Output: 45, 48, 71A, 43, etc., to 5-15 ohm voice coil.	<b>Your Cost</b> ..... <b>59¢</b>
XC1615—Push-pull Output: 47, 59, 33, 2A5, 89, 31, 20, 42, 18, etc. to 5-15 ohm voice coil.	<b>Your Cost</b> ..... <b>59¢</b>

Chokes	
XC1601—10 Henry Choke. Resistance 200 ohms, 50 M. A. maximum D. C.	<b>Your Cost</b> ..... <b>39¢</b>
XC1602—11 Henry Choke. Resistance 200 ohms, 65 M. A. maximum D. C.	<b>Your Cost</b> ..... <b>45¢</b>
XC1603—13 Henry Choke. Resistance 300 ohms, 50 M. A. maximum D. C.	<b>Your Cost</b> ..... <b>45¢</b>
XC1604—20 Henry Choke. Resistance 500 ohms, 35 M. A. maximum D. C.	<b>Your Cost</b> ..... <b>48¢</b>

**We Will Not Knowingly Be Undersold**

World Radio History

# Lafayette SPECIAL P.A. AUDIO TRANSFORMERS



The Parts Address section of these catalogs described below, are designed to satisfy the demand for a regular supply of quality line having the many valuable features associated with Lafayette products. All parts are factory built to exacting standards and assembled in the most modern plants. Each transformer may be returned to the manufacturer with a minimum charge for handling. This handling charge is not applicable to parts returned by individuals who have been recommended physically and electrically in our

direction. When installed in finished equipment they present a thoroughly professional appearance. Every possible check is taken to maintain uniform electrical characteristics in all components. The available tap windings make possible a wide variation of line impedance conditions with no changing the audio range or secondary resistance of any unit. For maximum performance, we strongly recommend Lafayette P.A. Units.



### Overall Dimensions

Mr. Dim.	I.	H.	D.
Type A-1-3	1 1/2"	1 1/2"	1 1/4"
Type B-2	2 1/2"	2 1/2"	2 1/4"
Type C-3	3 1/2"	3 1/2"	3 1/4"

### INPUT TRANSFORMERS, CLASS B

- Driver plate 40, 50, 75, 100 or 8 grid. Type A mounting.
- XC5429 - Your Cost Each \$3.30**  
Driver 46 or 40 plate to 46 or 59 grids. Type A mounting.
- XC2555 - Your Cost Each \$3.30**  
Push-pull 40 or 59 plates to two 40 or 59 grids. Type A mounting.
- XC2556 - Your Cost Each \$3.90**  
Push-pull 45 or 59 plates to two 10", 40", 50", 60", or RK1 grids. Type A mounting.
- XC2557 - Your Cost Each \$4.50**  
Push-pull 2A<sup>6</sup> or 40 plates to two 203 grids. Type B mounting.
- XC2558 - Your Cost Each \$5.10**  
Output Transformers, Class B
- Push-pull 40, 50, 75, 100 plates to 400, 200, 16, 8, 5, 3, and 1.5 ohms. Type A mounting.
- XD5430 - Your Cost Each \$4.20**  
Push-pull 40 or 50 plates to 500, 200, 16, 8, 5, 3 and 1.5 ohms. Type A mounting.
- XC5431 - Your Cost Each \$4.20**

### MIXING AND MATCHING TRANSFORMERS

- Mixing 500, 200, or 50 ohm line to 500, 200, or 50 ohm line. Type A only.
- XC2594 - Your Cost Each \$3.30**

### Output Transformers, Class A

- All secondary impedances of the units listed below are tapped for: 500, 250, 15, 8, 5, 3 and 1.5 ohms.
- Primary 600 ohm plate to plate. Will match P.P. 2A<sup>6</sup>, 2A<sup>7</sup>, 2A<sup>8</sup>, 2A<sup>9</sup>, 2A<sup>10</sup>, 2A<sup>11</sup>, 2A<sup>12</sup>, 2A<sup>13</sup>, 2A<sup>14</sup>, 2A<sup>15</sup>, 2A<sup>16</sup>, 2A<sup>17</sup>, 2A<sup>18</sup>, 2A<sup>19</sup>, 2A<sup>20</sup>, 2A<sup>21</sup>, 2A<sup>22</sup>, 2A<sup>23</sup>, 2A<sup>24</sup>, 2A<sup>25</sup>, 2A<sup>26</sup>, 2A<sup>27</sup>, 2A<sup>28</sup>, 2A<sup>29</sup>, 2A<sup>30</sup>, 2A<sup>31</sup>, 2A<sup>32</sup>, 2A<sup>33</sup>, 2A<sup>34</sup>, 2A<sup>35</sup>, 2A<sup>36</sup>, 2A<sup>37</sup>, 2A<sup>38</sup>, 2A<sup>39</sup>, 2A<sup>40</sup>, 2A<sup>41</sup>, 2A<sup>42</sup>, 2A<sup>43</sup>, 2A<sup>44</sup>, 2A<sup>45</sup>, 2A<sup>46</sup>, 2A<sup>47</sup>, 2A<sup>48</sup>, 2A<sup>49</sup>, 2A<sup>50</sup>, 2A<sup>51</sup>, 2A<sup>52</sup>, 2A<sup>53</sup>, 2A<sup>54</sup>, 2A<sup>55</sup>, 2A<sup>56</sup>, 2A<sup>57</sup>, 2A<sup>58</sup>, 2A<sup>59</sup>, 2A<sup>60</sup>, 2A<sup>61</sup>, 2A<sup>62</sup>, 2A<sup>63</sup>, 2A<sup>64</sup>, 2A<sup>65</sup>, 2A<sup>66</sup>, 2A<sup>67</sup>, 2A<sup>68</sup>, 2A<sup>69</sup>, 2A<sup>70</sup>, 2A<sup>71</sup>, 2A<sup>72</sup>, 2A<sup>73</sup>, 2A<sup>74</sup>, 2A<sup>75</sup>, 2A<sup>76</sup>, 2A<sup>77</sup>, 2A<sup>78</sup>, 2A<sup>79</sup>, 2A<sup>80</sup>, 2A<sup>81</sup>, 2A<sup>82</sup>, 2A<sup>83</sup>, 2A<sup>84</sup>, 2A<sup>85</sup>, 2A<sup>86</sup>, 2A<sup>87</sup>, 2A<sup>88</sup>, 2A<sup>89</sup>, 2A<sup>90</sup>, 2A<sup>91</sup>, 2A<sup>92</sup>, 2A<sup>93</sup>, 2A<sup>94</sup>, 2A<sup>95</sup>, 2A<sup>96</sup>, 2A<sup>97</sup>, 2A<sup>98</sup>, 2A<sup>99</sup>, 2A<sup>100</sup>.
- XC2542 - Your Cost Each \$4.20**  
Primary 600 ohm plate to plate or 500 ohm plate to plate. For 200 ohms will match P.P. 2A<sup>6</sup>, 2A<sup>7</sup>, 2A<sup>8</sup>, 2A<sup>9</sup>, 2A<sup>10</sup>, 2A<sup>11</sup>, 2A<sup>12</sup>, 2A<sup>13</sup>, 2A<sup>14</sup>, 2A<sup>15</sup>, 2A<sup>16</sup>, 2A<sup>17</sup>, 2A<sup>18</sup>, 2A<sup>19</sup>, 2A<sup>20</sup>, 2A<sup>21</sup>, 2A<sup>22</sup>, 2A<sup>23</sup>, 2A<sup>24</sup>, 2A<sup>25</sup>, 2A<sup>26</sup>, 2A<sup>27</sup>, 2A<sup>28</sup>, 2A<sup>29</sup>, 2A<sup>30</sup>, 2A<sup>31</sup>, 2A<sup>32</sup>, 2A<sup>33</sup>, 2A<sup>34</sup>, 2A<sup>35</sup>, 2A<sup>36</sup>, 2A<sup>37</sup>, 2A<sup>38</sup>, 2A<sup>39</sup>, 2A<sup>40</sup>, 2A<sup>41</sup>, 2A<sup>42</sup>, 2A<sup>43</sup>, 2A<sup>44</sup>, 2A<sup>45</sup>, 2A<sup>46</sup>, 2A<sup>47</sup>, 2A<sup>48</sup>, 2A<sup>49</sup>, 2A<sup>50</sup>, 2A<sup>51</sup>, 2A<sup>52</sup>, 2A<sup>53</sup>, 2A<sup>54</sup>, 2A<sup>55</sup>, 2A<sup>56</sup>, 2A<sup>57</sup>, 2A<sup>58</sup>, 2A<sup>59</sup>, 2A<sup>60</sup>, 2A<sup>61</sup>, 2A<sup>62</sup>, 2A<sup>63</sup>, 2A<sup>64</sup>, 2A<sup>65</sup>, 2A<sup>66</sup>, 2A<sup>67</sup>, 2A<sup>68</sup>, 2A<sup>69</sup>, 2A<sup>70</sup>, 2A<sup>71</sup>, 2A<sup>72</sup>, 2A<sup>73</sup>, 2A<sup>74</sup>, 2A<sup>75</sup>, 2A<sup>76</sup>, 2A<sup>77</sup>, 2A<sup>78</sup>, 2A<sup>79</sup>, 2A<sup>80</sup>, 2A<sup>81</sup>, 2A<sup>82</sup>, 2A<sup>83</sup>, 2A<sup>84</sup>, 2A<sup>85</sup>, 2A<sup>86</sup>, 2A<sup>87</sup>, 2A<sup>88</sup>, 2A<sup>89</sup>, 2A<sup>90</sup>, 2A<sup>91</sup>, 2A<sup>92</sup>, 2A<sup>93</sup>, 2A<sup>94</sup>, 2A<sup>95</sup>, 2A<sup>96</sup>, 2A<sup>97</sup>, 2A<sup>98</sup>, 2A<sup>99</sup>, 2A<sup>100</sup>.
- XC2563 - Your Cost Each \$4.20**  
Primary 600 ohm plate to plate or 1000 ohm plate to plate. For 200 ohms will match four self bias 2A<sup>6</sup> in push-pull parallel circuit. For 500 ohms will match four 2A<sup>6</sup> in push-pull parallel circuit, fixed bias. Type C mounting.
- XC2564 - Your Cost Each \$6.00**  
Primary 600 ohm plate to plate. Will match four 2A<sup>6</sup> in push-pull parallel. Type C mounting.
- XC2579 - Your Cost Each \$6.00**  
Primary 10,000 ohm or 6000 ohm plate to plate. For 10,000 ohms will match P.P. 50 triodes, 31A<sup>6</sup>, 210<sup>6</sup>, 210<sup>6</sup> (single), 1A, 2B8A, 2A1. For 6000 ohms will match P.P. 52A<sup>6</sup>, or single 51, 50, 25 pentodes. Type B mounting.
- XC2592 - Your Cost Each \$4.20**  
Primary 600 ohm plate to plate. Will match P.P. 46 triodes or pentodes. Type B mounting.
- XC2593 - Your Cost Each \$4.20**

### Input Transformers, Class A

- From one plate to one grid. Ratio 2:1. Type A mounting.
- XC2569 - Your Cost Each \$2.70**  
From one plate to two grids. Ratio 2:1 each side. Type B mounting. Type A mounting.
- XC2570 - Your Cost Each \$3.00**  
From 2 plates to 2 grids. 1.75 ratio each. Primary and secondary each in two sections. Type A mounting.
- XC2571 - Your Cost Each \$3.60**  
500, 200 or 50 ohm line to single grid. Type A mounting.
- XC2572 - Your Cost Each \$3.90**  
500, 200 or 50 ohm line to push-pull grid. Type A mounting.
- XC2578 - Your Cost Each \$4.50**  
Single plate or pick-up and carbon mike or low impedance pick-up to one or two grids. Type A mounting.
- XC2573 - Your Cost Each \$4.50**  
Ribbon velocity mike to one or two grids. Type A mounting.
- XC2574 - Your Cost Each \$3.90**  
Ribbon velocity mike to 500, 200 or 50 ohm line. Type A mounting.
- XC2575 - Your Cost Each \$3.90**
- TUBE TO LINE TRANSFORMERS**
- From a low level triode plate to 500, 200 or 50 ohms. Type A mounting.
- XC2576 - Your Cost Each \$3.90**  
From a low level push-pull triode plate to 500, 200 or 50 ohms. Type A mounting.
- XC2577 - Your Cost Each \$4.50**

# JEFFERSON Transformers

## UNIVERSAL AUDIOS OUTPUTS



Primary will match any unit will match the output of any tube to any voice coil. Full instructions for various types of tubes and voice coils included. Size 2 1/2" x 1 1/2" x 2 1/4".

**JE5432 - Your Cost Each \$94**  
Identical with the above, but with over sized core. For heavy duty work. Size 2 1/2" x 2 1/2" x 2 1/4".

**JE5433 - Your Cost Each \$1.18**

## UNIVERSAL INPUTS

Can be used as straight audio, P.P. input, or double P.P. input transformer. Leads and leads. Size 1 1/2" x 2 1/2" x 2 1/4".

**JE5434 - Your Cost Each \$94**  
Similar to the above, but with over sized core. Size 2 1/2" x 2 1/2" x 2 1/4".

**JE5435 - Your Cost Each \$1.18**

## UNIVERSAL CHOKES

Designed for use in 20 henry, Matchless 3 1/2, 100 H.A., R. 30, 20 ohms, Tap on 20 ohm line to 1.5 ohms. Size 2 1/2" x 1 1/2" x 2 1/4".

**JE5436 - Your Cost Each \$73**  
Similar to the above, but with heavy duty core. Size 2 1/2" x 2 1/2" x 2 1/4".

**JE5437 - Your Cost Each \$88**

## SPECIAL AUDIO Transformer



The compact and efficient design of this unit can be used in any set, either A.C. or D.C., using straight audio amplification. Its low impedance makes it especially suited for sub-line applications. Two sets of terminals are provided for horizontal or vertical mounting. Turn ratio 1:1. Core of high grade silicon steel. Supplied with flexible leads. Size 1 1/2" high, 2 1/4" wide and 2 1/4" deep. Shipped wt. 2 lbs.

**JE5461 - Your Cost, Special \$73**

## "STAR" SEALED AUDIO

This transformer is fully sealed in a sheet metal case that prevents oxide due to moisture. Coil markings sound to insure accuracy. Core of silicon steel. Turn ratio 1:1. Size 2 1/2" x 2 1/2" x 2 1/4". Binding post terminal. An excellent transformer for use in practically any type of recording set or amplifier. Has an unusually fine frequency response for unit so small in size. Shipped wt. 2 lbs.

**JE5462 - Your Cost Each \$1.18**

## NOTE

We can supply any Jefferson product, not shown here, at a discount of 40 and 20% from the list price.

## AUDIO UNITS



- Type 467-03 - Straight audio, ratio 1:3. Strap mounting. Size 2 1/2" x 1 1/2" x 2 1/4".
- JE5413 - Your Cost Each \$76**
- Type 467-10 - Push-pull input transformer. Ratio 1:1. Strap mounting. Size 2 1/2" x 1 1/2" x 2 1/4".
- JE5441 - Your Cost Each \$82**
- Type 467-11 - Push-pull output. Matches P.P. pentodes or triodes to 6-8 ohm voice coil. Carries 10 watts. 7000 ohm C.T. Size 2 1/2" x 1 1/2" x 2 1/4".
- JE5445 - Your Cost Each \$68**
- Type 467-12 - Push-pull output. Matches P.P. pentodes or triodes to 10-15 ohm voice coil. Carries 10 watts. 6000 ohm C.T. Size 2 1/2" x 1 1/2" x 2 1/4".
- JE5446 - Your Cost Each \$94**
- "Mike" and Line Transformers**
- Type 467-13 - Single button mike transformer. Turn ratio 1:64. Flat from 50 to 7000 cycles. Size 2 1/2" x 1 1/2" x 2 1/4".
- JE5447 - Your Cost Each \$76**
- Type 467-14 - Similar to above, but double button mike. Size 2 1/2" x 1 1/2" x 2 1/4".
- JE5448 - Your Cost Each \$82**
- Type 467-15 - 200 or 100 ohm line. Size 2 1/2" x 1 1/2" x 2 1/4".
- JE5449 - Your Cost Each \$1.47**
- Type 467-16 - 200 or 100 ohm line. Size 2 1/2" x 1 1/2" x 2 1/4".
- JE5450 - Your Cost Each \$1.47**

# THORDARSON Replacement AUDIO TRANSFORMERS

## Replacement Audio Transformers

Thordarson Audio Replacement Transformers have established an enviable reputation for dependability and service, especially so in warm and humid climates. These same qualities, such as available in various configurations to fit almost almost any space requirement.

Stock No.	Type	Mount	Ratio	Size	List	Your Cost
XA213	R100	Fig. 1	1-2	2 1/2" x 1 1/2" x 1 1/2"	\$1.75	\$1.07
XA240	R100	Fig. 5	1-1	2 1/2" x 1 1/2" x 1 1/2"	2.00	1.18
XA265	T2900	Fig. 2	1-4	1 1/2" x 1 1/2" x 1 1/2"	1.75	1.03
XA266	T2900	Fig. 4	1-4	1 1/2" x 1 1/2" x 1 1/2"	2.00	1.18
XA267	T2900	Fig. 2	1-3	2 1/2" x 1 1/2" x 1 1/2"	2.00	1.75
XA268	T2900	Fig. 4	1-3	2 1/2" x 1 1/2" x 1 1/2"	2.25	1.90

Average shipping weight 3 lbs.

## Output Coupling Transformers

The Thordarson Line of Output Coupling Transformers is designed to cover practically all other used speaker configurations in general use. The Types R107 and T2701 Transformers are of special interest since it is possible to properly match a wide variety of tubes to any voice coil ranging from 2 1/2 ohms to fractions of an ohm, depending on the plate resistance of the power tube used, by means of five impedances.

Stock No.	Type	Mount	Characteristics	List	Your Cost
XA275	R107	Fig. 5	Universal*	\$2.25	\$1.33
XA276	T2701	Fig. 2	P. P. 50 or 150 V. C.	1.75	1.03
XA277	T2744	Fig. 4	P. P. 50 or 150 V. C.	2.00	1.18
XA278	T2701	Fig. 2	Universal*	2.00	1.18

Lines of above: 1 1/2" x 2 1/2" x 3". Shpg. wt. 2 lbs.

\*Types R107 and T2701 are tapped output Transformers which can be used on either P. P. or single tubes and have a multiplicity of impedance ratios such that they can be used on most dynamic speakers.

XA279	T2745	Fig. 2	P. P. 50 or 150 V. C.	\$1.50	\$1.75
XA280	T2746	Fig. 4	P. P. 50 or 150 V. C.	1.25	1.90

Size of above: 2 1/2" x 2 1/2" x 3". Shpg. wt. 3 lbs.

V. C. means voice coil of dynamic speaker.

## Push-Pull Input Transformers

Thordarson Push-Pull Input Transformers are produced with the same skill and care characteristic of all Thordarson equipment. The Power Detector Transformers are particularly desirable for their high efficiency in converting the low level signal energy into a level and output as well as high plate impedance of power detectors.

Stock No.	Type	Mount	Ratio	Size	List	Your Cost
XA216	R101	Fig. 3	1-2	1 1/2" x 1 1/2" x 1 1/2"	\$2.25	\$1.33
XA281	T2701	Fig. 2	1-2	1 1/2" x 1 1/2" x 1 1/2"	2.00	1.18
XA282	T2701	Fig. 4	1-2	1 1/2" x 1 1/2" x 1 1/2"	2.25	1.33
XA283	T2701	Fig. 5	1-2	1 1/2" x 1 1/2" x 1 1/2"	2.50	2.05
XA284	T2701	Fig. 4	1-2	2 1/2" x 1 1/2" x 1 1/2"	2.00	2.20
XA285	T2743	Fig. 2	1-2	2 1/2" x 1 1/2" x 1 1/2"	2.50	2.95
XA286	T2743	Fig. 4	1-2	2 1/2" x 1 1/2" x 1 1/2"	2.75	2.20

Especially designed primary to couple to power detector. Average shipping weight 2 lbs.

## Filter Chokes

The standardization of design of radio receivers makes it possible to meet all service requirements for this line of Filter Chokes. All are carefully insulated and are designed to ensure the maximum inductance possible for the specified operating conditions.

Stock No.	Type	Mount	Inductance	Cap. V.	List	Your Cost
XA241	T2705	Fig. 2	15 H	75 M. A.	\$1.75	\$1.03
XA287	T2751	Fig. 2	12 H	80 M. A.	1.75	.88
XA288	T2752	Fig. 2	12 H	80 M. A.	1.75	1.03
XA289	T2753	Fig. 2	10 H	10 M. A.	2.00	1.18
XA290	T2754	Fig. 2	10 H	10 M. A.	2.25	1.33

Average shipping weight 2 lbs.

## Push-Pull Output Chokes

Push-Pull Output Chokes are widely used in other receivers using either 6X4 impedance speakers or speakers using special coupling transformers.

Stock No.	Type	Mount	Characteristics	List	Your Cost
XA291	T2742	Fig. 2	45 or 75 Tube	\$2.50	\$1.18
XA292	T2742	Fig. 2	45 or 75 Tube	1.75	1.03
XA293	T2748	Fig. 4	45 or 75 Tube	2.00	1.18
XA294	T2748	Fig. 2	45 or 75 Tube	2.75	1.62
XA295	T2749	Fig. 4	45 or 75 Tube	3.00	1.75

Average shipping weight 2 lbs.



Fig. 1



Fig. 2



Fig. 3



Fig. 4

## Type R-300 Audio Transformer

The amplification range has been extended still farther into the lower register, so that even the deepest tones now may be reproduced with amazing fidelity. Same size and shpg. wt. as R-200.



XA239—List \$4.00

Your Cost **\$2.35**

## Type R-400 Audio

Amplification curve is practically a straight line from 30 to 8000 cps. Suitable for either a first stage or an output stage. Ratio 1-1. Size, 2 1/2" x 1 1/2" high. Shpg. wt. 4 lbs.

XA215—List \$4.00

Your Cost **\$2.35**

## T-4304 P.-P. Input

Ratio of 2 to 1. May be used following a screen grid power detector having parallel plate load. Built primarily for use with 210, 245, 247 and 250 types of power tubes in the push-pull stage. Size 3 1/2" x 1 1/2" high. Shpg. wt. 4 lbs.

XA243—List \$4.50

Your Cost **\$2.64**

## T-2408 P.-P. Input

Designed to couple a stage of straight audio amplification into a stage of power push-pull output, any of the existing types of power amplifying tubes. Ratio 1-1. Size 2 1/2" x 1 1/2" high. Shpg. wt. 4 lbs.

XA217—List \$4.00

Your Cost **\$2.35**

## Type R-196 Choke

30 H. 85 MA.

A fully shielded and finished product by Thordarson. D. C. resistance of 360 ohms. For filter circuits and speaker output coupling. Size 2 1/2" x 1 1/2" high. Shpg. wt. 4 lbs.

XA242—Your Cost **\$1.76**

## NOTE

Due to limited space it is impossible to list the complete Thordarson line. We can supply any Thordarson product at 40 and 20% from List.

## Audio Transformers for the New Type Tubes

T5870 Interstage 50 P. P. to 2A5 P. P.

List \$3.75

XA272—Your Cost **\$2.20**

T5872 Output 2A5 P. P. to 8-4 ohms.

List \$3.50

XA273—Your Cost **\$2.05**

T5873 Output 2A5 P. P. to 500 ohms.

List \$3.50

XA274—Your Cost **\$2.05**

T1700 Filter Choke, 24.5 henries, at 150 M.A.

List \$4.50

XA269—Your Cost **\$2.65**

T2353A Screening Filter Choke, Class B

Assemblies. List \$5.00

XA259—Your Cost **\$2.94**

T5289 Input Transformer, 46 ohms, Class B

List \$5.00

XA296—Your Cost **\$2.94**

T5356 Output 16's Class B to 8-4 ohms.

List \$5.00

XA297—Your Cost **\$2.94**

T5339 Output 16's Class B to 500 ohms.

List \$5.00

XA298—Your Cost **\$2.94**

T5381 Line Transformer 300 ohm line to 8-4 ohms.

List \$4.50

XA299—Your Cost **\$2.65**

T-2357 Microphone Transformer

## Single Button

A Coupling Transformer for Single Button Microphone primary impedance 200 ohms. Ratio 10 to 1. Size 2 1/2" x 1 1/2" high. Shpg. wt. 2 lbs.

XA257—List \$3.00

Your Cost **\$1.75**

T-3020 Microphone Transformer

## Double Button

The lineage of this transformer design approximate perfect balance. Designed for use with 2 Button Microphone. Primary Impedance 200 ohms. Ratio 10 to 1. Size 2 1/2" x 1 1/2" high. Shpg. wt. 2 lbs.

XA258—List \$5.00

Your Cost **\$2.94**



## Type T-2973 P. P. Interstage

To couple two stages of push-pull amplification. Especially suitable for use in power amplifier for pulse addition work to prevent time distortion in the first stages of the audio amplifier. Size 3 1/2" x 1 1/2" high. Shpg. wt. 5 lbs.



XA212—List \$4.12

Your Cost **\$4.12**

## Type T-2903 P. P. Output

250 to 2A5 type tubes to a Dynamic Speaker, voice coil having a D. C. resistance between 4 and 8 ohms. Size 3 1/2" x 1 1/2" high. Shpg. wt. 5 lbs.

XA238—List \$4.00

Your Cost **\$2.35**

## T-1892A Filter Choke

30 H. 50 MA.



Designed to filter a current of 50 milliamperes. Inductance of 30 henries. 40 ohm D. C. resistance. Ideal for output sections. 4 1/2" x 1 1/2" high. Shpg. wt. 4 1/2 lbs.

XA246—List \$5.00

Your Cost **65¢**

## Grid Modulation Coupling Transformers

T-6773 for coupling grid to 6X4 or 6X5 power tube to the grid of the R. F. amplifier. Transformer is fully shielded and is equipped with soldering lugs. Size 2 1/2" x 1 1/2" high. Shpg. wt. 2 1/2 lbs.

XA255—List \$4.00

Your Cost **\$2.36**

T-6774 for coupling push-pull 6B2 or 2B6 diode tubes to the grid of the R. F. amplifier. Transformer is fully shielded and is equipped with soldering lugs. Size 2 1/2" x 1 1/2" high. Shpg. wt. 2 1/2 lbs.

XA256—List \$5.00

Your Cost **\$2.94**

# UTC "Linear Standard" AUDIO TRANSFORMERS



United Transformer Company "Linear Standard" Company's approach to the design of transformer from the standpoint of performance, low loss, wide frequency range, high efficiency, and high reliability. The curves shown below illustrate the linear frequency response of a typical UTC audio output transformer. As you can see, the

of audio units are linear over a frequency spectrum of 20 cycles per second to 20,000 cycles per second. This has been proved to assure uniform response in all radio circuits. A special grade of high permeability iron is used to insure this, and as a result, these units have been shown to be highly reliable. Each transformer is fully tested for frequency response.

Frequency in Cycles Per Second



Dimensions

	L	W	D
A	2 1/2"	3"	1 1/2"
B	3"	3 1/2"	1 1/2"
C	5"	4 1/2"	1 1/2"
D	6"	6"	1 1/2"

## Input Transformers

**XE5401**—Primary will match 500, 300, 250, 200, 125 or 50 ohm line, as required for cathode, dynamic microphone, low impedance pick-ups, etc. Secondary in two sections for series or parallel connection. Overall impedance of windings in series 100,000 ohms; impedance of each winding 25,000 ohms. Type D mtg. **Your Cost Each \$9.00**

**XE5402**—Primary same as above. Secondary same as above except that overall impedance of windings in series is 200,000 ohms; impedance of each winding 50,000 ohms. Type D mtg. **Your Cost Each \$12.00**

**XE5403**—Primary will match a velocity ribbon microphone. Secondary in two sections for series or parallel connection. Overall impedance of windings in series 100,000 ohms; impedance of each winding 25,000 ohms. Type D mtg. **Your Cost Each \$12.00**

**XE5404**—Primary designed for 500, 300, 250, 200, 125 or 50 ohm line to 2-50 watt grids at a plus 25 level. Type E mtg. **Your Cost Each \$13.20**

## MIXING AND MATCHING TRANSFORMERS

**XE5405**—Mixing, carbon or dynamic mike or low impedance pick-up to a variable impedance line. Primary and secondary windings will match 500, 300, 250, 200, 125 or 50 ohm line. Type D mtg. **Your Cost Each \$9.00**

**XE5406**—Mixing, velocity ribbon mike to a 500, 300, 250, 200, 125 or 50 ohm line. Type D mtg. **Your Cost Each \$9.00**

**XE5407**—30 watt audio line matching transformer. Input designed for 500, 250, 200, 150, 100, 75, 50, 20, 10 ohms. Output tapped for 30, 20, 15, 10, 7.5, 5, and 1.2 ohms. Type F mtg. **Your Cost Each \$12.00**

**XE5408**—Crystal mike to 500, 300, 250, 200, 125 or 50 ohm line. Type D mtg. **Your Cost Each \$12.00**

## Output Transformers

—Secondary tapped at 500, 300, 250, 200, 125, 50, 30, 20, 15, 10, 7.5, 5, 2.5 and 1.2 ohms. Secondary tapped at 6000, 5000, 4000, 1800, 1500, 1000, 30, 20, 15, 10, 7.5, 5, 2.5 and 1.2 ohms. Secondary tapped at 30, 20, 15, 10, 7.5, 5, 2.5 and 1.2 ohms.

**XE5409**—Primary impedance 3000 ohms plate to plate. Will match P.P. 211, 211A, 211B, 211C, 211D, 211E, 211F, 211G, 211H, 211I, 211J, 211K, 211L, 211M, 211N, 211O, 211P, 211Q, 211R, 211S, 211T, 211U, 211V, 211W, 211X, 211Y, 211Z. Secondary Type E mtg. **Your Cost Each \$12.00**

**XE5410**—Same primary and will match same tubes as above. Secondary Type E mtg. **Your Cost Each \$12.00**

**XE5411**—Same primary and will match same tubes as above. Secondary Type E mtg. **Your Cost Each \$8.40**

**XE5412**—Primary impedance 3000 ohms and 3000 ohms plate to plate. For 200 ohms will match out line P.P. 211, 211A, 211B, 211C, 211D, 211E, 211F, 211G, 211H, 211I, 211J, 211K, 211L, 211M, 211N, 211O, 211P, 211Q, 211R, 211S, 211T, 211U, 211V, 211W, 211X, 211Y, 211Z. Secondary Type F mtg. **Your Cost Each \$12.00**

**XE5413**—Same primary and will match same tubes as above. Secondary Type E mtg. **Your Cost Each \$12.00**

**XE5414**—Same primary and will match same tubes as above. Secondary Type E mtg. **Your Cost Each \$8.40**

**XE5415**—Primary impedance 2000 ohms and 1500 ohms plate to plate. For 200 ohms will match out line P.P. 211, 211A, 211B, 211C, 211D, 211E, 211F, 211G, 211H, 211I, 211J, 211K, 211L, 211M, 211N, 211O, 211P, 211Q, 211R, 211S, 211T, 211U, 211V, 211W, 211X, 211Y, 211Z. Secondary Type F mtg. **Your Cost Each \$18.00**

**XE5416**—Same primary and will match same tubes as above. Secondary Type E mtg. **Your Cost Each \$18.00**

**XE5417**—Same primary and will match same tubes as above. Secondary Type E mtg. **Your Cost Each \$12.00**

**XE5418**—Primary impedance 10,000 ohms and 10,000 ohms plate to plate. For 20,000 ohms will match P.P. 211, 211A, 211B, 211C, 211D, 211E, 211F, 211G, 211H, 211I, 211J, 211K, 211L, 211M, 211N, 211O, 211P, 211Q, 211R, 211S, 211T, 211U, 211V, 211W, 211X, 211Y, 211Z. For 5000 ohms will match single plate P.P. 211, 211A, 211B, 211C, 211D, 211E, 211F, 211G, 211H, 211I, 211J, 211K, 211L, 211M, 211N, 211O, 211P, 211Q, 211R, 211S, 211T, 211U, 211V, 211W, 211X, 211Y, 211Z. Secondary Type E mtg. **Your Cost, Either Type \$12.00**

**XE5420**—Same primary and will match same tubes as above. Secondary Type E mtg. **Your Cost Each \$8.40**

**XE5421**—Primary impedance 10,000 ohms plate to plate. Will match P.P. 211, 211A, 211B, 211C, 211D, 211E, 211F, 211G, 211H, 211I, 211J, 211K, 211L, 211M, 211N, 211O, 211P, 211Q, 211R, 211S, 211T, 211U, 211V, 211W, 211X, 211Y, 211Z. Secondary Type G mtg. **Your Cost Each \$21.00**

## COUPLING TRANSFORMERS

**XE5422**—Cathode, single plate to single grid. Turn ratio 2:1 overall. Type D mtg. **Your Cost Each \$6.00**

**XE5423**—Input, one plate to 2- grids. Turn ratio 1:2:1 overall. Primary and secondary wind in two sections. Type D mtg. **Your Cost Each \$7.80**

**XE5424**—Input, 2- plates to 2- grids. Turn ratio 1:6:1 each side overall. Primary and secondary wind in two sections. Type E mtg. **Your Cost Each \$12.00**

**XE5425**—Input, screen grid plate to 2- grids. Turn ratio 1:1. Type E mtg. **Your Cost, Either Type \$12.00**

**XE5426**—Single plate or line to one or 2- grids. One side of primary will match single plate of tube like the 61A, 12A, 20, 31, 2E, 7, 37, 55, 56, or 6X. Another primary designed for a carbon or dynamic mike or a low impedance pick-up. Secondary in two sections. Total secondary impedance 100,000 ohms. Type D mtg. **Your Cost Each \$12.00**

## TUBE TO LINE TRANSFORMERS

**XE5427**—From a single plate like the 61A, 12A, 20, 31, 2E, 7, 37, 55, 56, or 6X to 250, 200, 125 or 50 ohm line. Type D mtg. **Your Cost Each \$9.00**

**XE5428**—From P.P. plates (same tubes as above) to 500, 300, 250, 200, 125 or 50 ohm line. Type D mtg. **Your Cost Each \$9.00**

## Special "HIPERM ALLOY" Portable Audio Units



This new transformer designed for portable use, is extremely compact and light in weight. The high efficiency design was up to the highest standards, being uniform in impedance from 50 to 12,000 ohms. The Hiperm Alloy is made of a special alloy, Hiperm Alloy, a special alloy having high initial permeability. This alloy is used for the core of the transformer. The core is made of 14 gage steel. Size of HE can 1 1/2" x 1 1/2" x 1 1/2".

is a single grid. Ratio 2:1 overall. HI mtg. **Your Cost Each \$5.40**  
**XE5457**—Input, single plate (same tubes as above) to P.P. grids. Ratio 1:1 each side overall. HI mtg. **Your Cost Each \$6.60**  
**XE5458**—Input, two P.P. plates (same tubes as above) to P.P. grids. Ratio 1:1 overall. HI mtg. **Your Cost Each \$9.00**

### INPUT TRANSFORMERS

**XE5459**—Variable impedance line transformer. Primary will match 500, 300, 250, 200, 125 or 50 ohm line. Secondary impedance 50, 30 ohms. HI mtg. **Your Cost Each \$7.50**  
**XE5460**—Variable impedance line transformer. Primary will match 500, 300, 250, 200, 125 or 50 ohm line. Secondary impedance 50, 30 ohms. HI mtg. **Your Cost Each \$9.00**

### MIXING, MATCHING AND OUTPUT TRANSFORMERS

All tapped to match 300, 212, 150, 200, 125 or 50 ohm line.  
**XE5451**—Variable impedance line to a variable impedance line. Both primary and secondary windings in one section. HI mtg. **Your Cost Each \$7.50**  
**XE5452**—Mixing, velocity ribbon mike to a 500, 300, 250, 200, 125 or 50 ohm line. HI mtg. **Your Cost Each \$7.50**  
**XE5453**—Mixing, crystal mike to a 500, 300, 250, 200, 125 or 50 ohm line. HI mtg. **Your Cost Each \$7.50**  
**XE5454**—Mixing, carbon or dynamic mike to a 500, 300, 250, 200, 125 or 50 ohm line. HI mtg. **Your Cost Each \$7.50**  
**XE5455**—Output, from P.P. plates (same tubes as above) to tapped line. HI mtg. **Your Cost Each \$7.50**

### COUPLING TRANSFORMERS

**XE5456**—Cathode, single plate like the 61A, 12A, 20, 31, 2E, 7, 37, 55, 56, 83, 804, 57 or 77 triode



# Audio Transformer Specials



**PHILCO**

## Exact Duplicate Replacements

Shipping weight 3 lbs.

Single or P. P. Input

Single or P. P. Output

Chokes

Straight Audio



Philco Models	Part No.	Stock No.	Your Cost	Part No.	Stock No.	Your Cost	Part No.	Stock No.	Your Cost		
20-220	4232	XC1738	\$0.95	2766	XC1746	95¢	4231	XC1750	\$0.90		
65	3537	XC1743	1.10	2766	XC1746		4232	XC1752	95¢		
70-270	X	X	85¢	2674	XC1749		4233	XC1753		1.20	
79-77	3872	XC1741	1.49	2766	XC1745		4234	XC1752			.95
87	5242	XC1740	\$1.10	2766	XC1746		4235	XC1753			
(2-45's)	4962	XC1742		2766	XC1746	4236	XC1752	1.20			
(1-47)	X	X	2766	XC1749	4237	XC1753	.95				
296	3537	XC1743	2766	XC1746	4238	XC1752			1.20		
-112(45)	3537	XC1743	2766	XC1746	4239	XC1752				.95	
Series	X	X	2766	XC1746	4240	XC1754					1.20
11-41 D.C.	5872	XC1741	.85	2766	XC1746	4241		XC1752			

## MAJESTIC P.-P. Input

MODELS 70, 71, 72, 90, 91, 92, 100



Designed according to specifications of the original Majestic P.P.T.I. Ship. wt. 3 lbs. XC2109 - Your Cost

90¢

## MAJESTIC Audio

Replacement for models 70 and 90 series. Straight Audio Transformer. Ship. wt. 2 lbs.

XC2490 - Your Cost, Each... 75¢

## Genuine SPARTAN Replacement Audios



All brand new replacement audios, made by Thordarson. Av. ship. wt. 4 lbs.

### Audio Transformers Your Models Part No. Stock No. Cost

66, 79 A-4341 XC2455 \$1.18

91, 101 B-2202 XC2456

### Input Transformers

101, 110, 141 B-2202 XC2466 \$4.08

301 B-2201 XC2467 3.53

340, 931 A-4812

930 A-4304 XC2468 1.76

A-4376 XC2469 1.18

### Output Transformers

82, 89 A B-2117 XC2486 \$1.32

301 B-2430 XC2487 1.62

380, 931 A-5765 XC2488 1.03

### Model 67 Audio

Part No. 12816, an exact duplicate of the original A.T.E. Model 67. Stage Audio and P.T. Input Transformer. Ship. wt. 5 lbs.



XC2243 - Your Cost, Each \$1.98

For Models 55, 55C, 60, 60C. Similar to above. A.T.P. Input and P.P. Output Transformer. Ship. wt. 5 lbs.

XC2492 - Each \$1.98

## STROMBERG CARLSON P. P. Input Transformer

For Models 10-11-25-26



The exact duplicate replacement transformer for the original Stromberg Carlson Part No. 11820. High grade materials used in construction for long life and protection of the original part. Consists of a push-pull input transformer with split secondary, isolated sections. Finished in wrinkle lacquer. Ship. wt. 5 lbs.

XC2375 - Each... \$2.90

## STRAIGHT AUDIO TRANSFORMER

For Models 641, 642, 652, 654, 646, 848

Exact duplicate of the original Stromberg Carlson part No. 11852A. Ship. wt. 2 lbs.

XC2331 - Your Cost. \$1.35

## CROSLLEY 706 P. P. Input and 1st Audio No. 5315



A replacement Audio and P. P. Input made expressly for use in Crosley Models 22, 40, 41, 41A, 42, 704 and 706. No change necessary to install this unit, made exactly as the original, fit the chassis the same. Ship. wt. 3 lbs.

XC1892 - Your Cost, Special. \$1.90

## CROSLLEY P. P. Input Transformer Models 60-S, 61-S, 62-S, 63-S



Crosley part No. 7167. Push-Pull Input Transformer for the above receivers. Has two separate secondary windings. Ship. wt. 2 lbs.

XC1848 - Your Cost \$1.25

## CROSLLEY P. P. Input Transformer

The new Crosley part used in the models 20-S, 21-S, 23-S, 34-S, 40-S, 41-S, 42-S and 82-S. Part No. 6590. Primary 2000 ohm, secondary 10,000 ohm total D.C. resistance. It used in a metal enclosure with a long lead for mounting. Has long leads for connections. Use for use as a general purpose replacement transformer. Ship. wt. 2 lbs.

XC1849 - Your Cost, Each 95¢

## ZENITH Push-Pull Interstage Audio

For 50, 60, 70 Series



A quality replacement audio for the Zenith models. Couples the plates of two 27 tubes to the grids of two 70s. Ship. wt. 5 lbs.

XC2259 - Your Cost \$2.35

## RCA Audio Transformers

### Brand New - RCA-Victor P. P. Input and Output Transformers

For Models 80, 82 and 86, Victor R-35, 35 and 57, G. E. H-31, H-51, H-71.



Exact duplicate of the original replacement part No. 8153, 8154, and No. 8151. Consists of one push-pull input transformer and one push-pull output transformer in one can. Uses coil impedance 8-12 ohms. All brand new merchandise is used in making up this replacement. Ship. wt. 4 lbs.

XC1998 - Your Cost \$1.75

For Models R-32, R-52, RE-45, RE-75



Exact duplicate of the original Victor transformer. Only brand new merchandise used in its construction. Input: 2000 ohms, 10,000 ohms. Output: 2000 ohms, 5000 ohms, 5 ohms to 50 ohms. Ship. wt. 5 lbs.

XC1965 - Your Cost \$1.65

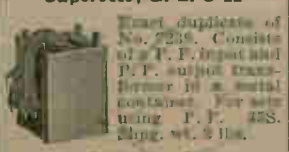
### Genuine Push-Pull Inter-Stage and Push-Pull Output Audio Assembly

RCA-Victor Models R-50, R-55, RE-20, RAE-59 and RAE-79. G. E. Models H-32 and H-72. Graybar Model GB-100, RCA No. 8711



XC2001 - Your Cost

### Audio Assembly for RCA Victor Models R-7, R-9 Superette; G. E. S-22



XC1994 - List \$6.00 \$2.25 Your Cost

### For R-7A Superette G. E. S-22A; Using P. P. 47's:

Similar in appearance to above. Exact duplicate of the original. Consists of P.P. input and output. Ship. wt. 4 lbs.

XC2051 - Your Cost \$2.25

### Radiola Single Audio Radiola Models 60 and 62 Brunswick 3NC8 - 5NC8 Graybar



Model 60 This is the genuine Radiola Part No. 1245. Single audio transformer. The above mentioned models. Ship. wt. 4 lbs.

XC2173 - List \$4.80 \$95¢ Your Cost

### Double Audio Transformer Assembly For Models 16, 17, 18, 33, 41, 50 and 51

Duplicate of RC No. 5967. Two units in one can. Brand new. Ship. wt. 3 lbs.

XC2005 - Your Cost \$1.30



# REPLACEMENT AUDIO TRANSFORMERS



## SANGAMO Audio Transformers



The opportunity for buying quality replacement at "break-down" prices is always present. No other company is possible than the maker of these SANGAMO Audio Transformers. All SANGAMO transformers are constructed of the finest grade of materials by 20 years of experience in designing good into the production of each unit. Wholesale Radio Service Company, through its extensive purchasing power, is now able to offer you a line of these famous cost-cutters at prices that to check seem unbelievable. Yes, each transformer is brand new and guaranteed.

### Cased Audio Units

Fully shielded to insure best results. Have solder lug terminals marked for easy connections. Size 2 1/2" x 2 1/2" x 1 1/2".

**TYPE A**  
A standard audio transformer with a 5:1 ratio. Frequency range flat over the entire tone range. Excellent for the set, buffer or the amplifier as an. Size, wt. 3 lbs.  
**XA364** — List \$10.00  
**Your Cost** **\$1.25**

**TYPE G11**  
Output transformer designed to match push-pull 10's to a 5:1 ratio with a 1:1 ratio speaker. Will permit use of a 100 ohm speaker. Size, wt. 3 lbs.  
**XA371** — List \$10.00  
**Your Cost** **95¢**

**TYPE D210**  
Push-Pull output transformer to match stages of push-pull type 10 tubes in a maximum output. Secondary impedances 1000 ohms, plate to plate. Size, wt. 3 lbs.  
**XA369** — List \$12.00  
**Your Cost** **75¢**

**TYPE H171**  
Push-pull output transformer to match a pair of 72's, 45's or 50's to a 5:1 ratio with a 1:1 ratio speaker. Secondary impedances 1000 ohms, plate to plate. Size, wt. 3 lbs.  
**XA373** — List \$6.50  
**Your Cost** **75¢**

### Strap Mounting Units

Transformers sold in place by means of a heavy metal strap which is provided with mounting feet. Size 2 1/2" x 2 1/2" x 1 1/2".

**TYPE AX**  
The most popular of the line of 5:1 line of high quality transformers. Straps and overall size. Secondary impedances 1000 ohms. Provided with 1/2" long leads. Size, wt. 3 lbs.  
**XA365** — List \$10.00  
**Your Cost** **59¢**

**TYPE F**  
Plate impedance. Used in the output of detector tube to prevent low-loss. Also used in the output of detector tube. Size, wt. 3 lbs.  
**XA366** — List \$5.00  
**Your Cost** **35¢**

**TYPE HX171**  
Push-pull output transformer to match a pair of 72's, 45's or 50's to a 5:1 ratio with a 1:1 ratio speaker. Secondary impedances 1000 ohms, plate to plate. Size, wt. 3 lbs.  
**XA374** — Your Cost **69¢**

**TYPE BK**  
Push-pull input transformer to match a pair of 72's, 45's or 50's to a 5:1 ratio with a 1:1 ratio speaker. Secondary impedances 1000 ohms, plate to plate. Size, wt. 3 lbs.  
**XA367** — Your Cost **95¢**

### JEFFERSON Mike Transformer 2-Button

A transformer for double button microphone. Has two taps of 7.5K, 15K and 30K. Impedance ratio 1:2. The 30K tap response curve from 100 to 10,000 cycles. Size, wt. 2 1/2 lbs.  
**XC1929** — Your Cost **\$1.19**

### GREBE Phono Matching Transformer

Used to match a low impedance phono pickup to a high impedance radio or amplifier. Simply mounted. Tapped at 100, 200 and 1100 ohms D. C. resistance. Size 2 1/2" x 1 1/2" x 1 1/2". S. p. wt. 1 lb.  
**XC1237** — Your Cost **49¢**

### UNIVERSAL Output Transformer

Has a combination of taps making it possible to load the speaker on P. P. output stage to vary voice coil from 2 to 20 ohms in 2 ohm steps. This may be obtained on end or sides. Shows in use while mounting. Diagram showing connections for all types. Includes 1/2" strap. Size 2 1/2" x 2 1/2" x 1 1/2". S. p. wt. 1 lb.  
**XC1708** — Your Cost **92¢**

### Universal Input

Has the same shielded design as the above transformer. Can be used with single P. P. or double P. P. with 1000 ohm secondary. Size 2 1/2" x 2 1/2" x 1 1/2". S. p. wt. 1 lb.  
**XC1707** — Your Cost **\$1.03**

### MAJESTIC Pilot Light Dimmer for Models 300, 300A and 320

An exact duplicate of the original Majestic Part No. 776, used in the above model receivers. This is a 2-Button dimmer. No mounting necessary. Size, wt. 2 lbs.  
**XC2514** — Your Cost Each **\$1.10**

### Tru-test Transceiver Audio Transformer

A popularized combination audio and microphone transformer for use in the new line mobile transceivers. For matching single plate and double button sets to a grid. Extremely small size makes it adaptable to all portable units. Provides excellent tone quality and low frequency response. Size, wt. 2 lbs.  
**XC1627** — Your Cost, Special **\$1.10**

### RCA Output Transformer

46-47-66  
The Official RCA part for the above models new and guaranteed. Can be used in RCA 104 speaker by addition of two 1/2" leads. Secondary impedances 1000 ohms, plate to plate. Size, wt. 3 lbs.  
**XC2170** — Your Cost **35¢**

### RCA Filter Reactor R-14-15-17 42 and 48

Part No. 5894. A tapped filter choke with an impedance of approximately 200 ohms at 100 Hz. A. D. C. resistance 345 ohms, tapped at 13 ohms. Size, wt. 4 lbs.  
**XC2012** — Your Cost **\$1.20**

### RCA Coupling Reactor 44-46 and 47

Exact duplicate of RCA Part No. 5893. Coupling Reactor Grid Detector to power output tube. Also used in the RCA 590 tube. Resistance 6000 ohms. Size, wt. 2 lbs.  
**XC2000** — Your Cost **\$1.75**

### COLONIAL 31 Output Transformer Coil

An exact duplicate of the above. Used in the output of detector tube. Size, wt. 3 lbs.  
**XC2171** — Your Cost, Special **95¢**

## BARGAINS! In Oversize Audios

Oversize fine quality audio transformer available for only 89¢. Many all type radios can be greatly improved by installing these large transformers. Two types available—Single Audio and Push-Pull Input. Suitable for use in radio receivers or power amplifiers. Size 2 1/2" x 2 1/2" x 1 1/2". S. p. wt. 2 lbs.  
**XC1972** — Push-Pull Input — **89¢**  
**Your Cost, Special**  
**XC1913** — Single Audio similar to above with 1:1 ratio. **59¢**  
**Your Cost, Special**

It's a 5:1 mounting type with secondary taps. This type is useful to use in conventional board mounting on top of chassis work. Two types available—audio and push-pull input. This is an oversize transformer with a large core and provides excellent frequency response over the audio range. Size, wt. 2 lbs.  
**XC1840** — Push-Pull Input — **98¢**  
**Your Cost**  
**XC1841** — Single Audio similar to above with 1:1 ratio. **79¢**  
**Your Cost Each**

### Audio and P. P. Input Transformers

Well made, fully shielded transformers with excellent frequency response. Especially suited for use as replacement transformers for building new circuits. Providing and making the sound on every high grade transistor. These transformers provide guaranteed superior quality. Size, wt. 2 lbs.  
**XC1743** — Audio and P. P. Input — **69¢**  
**Your Cost**  
**XC1851** — Single Audio with 1:1 ratio. **39¢**  
**Your Cost**

# CONDENSER BLOCKS

	Stock No.	Your Cost		Stock No.	Your Cost		Stock No.	Your Cost
<b>ALL AMER. MOHAWK</b>								
Model Lyric No. 90	XB1421	\$3.25						
Model Lyric "D"	XB1420	3.40						
Models Lyric 60 and 80 Series	XB1419	3.25						
<b>APEX</b>								
Model 28	XB1410	2.45						
Model 36	XB1409	3.25						
Model 37	XB1408	3.25						
Model 41	XB1407	1.90						
Models 46 and 46-A	XB1406	1.75						
Models 47 and 47-A	XB1405	1.75						
Models 48 and 48-A	XB1404	1.98						
Model 80	XB1403	2.80						
Models 28-A, 28-AX	XB1411	2.45						
<b>BAYWATER KENT</b>								
36 Condenser Block (Serial below 260,000)	XB1380	.49						
36 Condenser Block (Serial above 260,000)	XB1382	.49						
37-38 Condenser and Choke Assembly	XB1378	1.70						
45 Condenser Assembly	XB1370	1.85						
46, 47 and 53 Condenser Assembly	XB1369	2.70						
55, 55C, 60, 60C; 7 Taps	XB1368	2.45						
55F, 55FC, 3rd Type 60C, L-1 Chassis 5 Taps, 1A5	XB1367	1.65						
66, 7 Taps	XB1366	1.65						
72 Series	XB1365	1.65						
89	XB1364	2.80						
<b>BOSCH</b>								
Model 24	XB1349	2.45						
Model 29-25	XB1348	3.55						
Model 48	XB1347	2.75						
Models 58 and 60	XB1346	2.80						
Models 5 and 5-A	XB1345	2.20						
Models 31 and 32 Superhet	XB1344	2.75						
Models 20J, 20K and 20L	XB1343	3.10						
Model 13A	XB1342	2.75						
Models 75 and 74	XB1341	2.75						
<b>BRANDES</b>								
Models B-10 and B-11	XB1335	.75						
Models B-15 and B-16	XB1333	2.30						
<b>BREMER-TULLY</b>								
Models 7-70, 7-71	XB1323	3.25						
Models S81, S82 Green Spot	XB1312	.48						
Models 1, 82 Yellow Spot	XB1315	.48						
<b>BRUNSWICK</b>								
Models 2R-17-R	XB1020	1.25						
Models 2KR0, 3KR0, 2KR6, 5KR0, 5KR6	XB1019	.35						
Model 5ND Power Unit	XB1015	1.80						
Models 3NC8, 5NC8, Condenser Block	XB1014	1.75						
Models 3NC8, 5NC8, Field Supply Filter	XB1013	1.25						
Models 3NC8, 5NC8, Coupling Unit	XB1012	1.50						
Models 15 and 22	XB1309	3.40						
Models 14, 21, 31 Red Spot	XB1311	.48						
Model S14, S21, S31 Green Spot	XB1312	.48						
Models S14, S21, S31 Blue Spot	XB1314	.48						
Models S14, S21, S31 Black Spot	XB1313	.48						
<b>COLUMBIA RADIO</b>								
Model Screen Grid 8	XB1290	2.60						
<b>COLUMBIA-KOLSTER</b>								
Models C-1, C-3	XB1280	1.95						
Models C-5	XB1278	2.75						
Models C-6, C-7	XB1277	1.85						
Models 930, 931 and 961	XB1275	2.75						
Model 930-300	XB1273	3.50						
Model 930	XB1271	3.40						
Model 980 Part 1330 for Tuner B supply	XB1272	3.75						
<b>DAYFAN</b>								
Model 5081	XB1255	3.75						
Model 5088	XB1251	3.90						
Models 5069, 5077, 5080	XB1252	3.75						
<b>EARL, C. A.</b>								
Models 21 and 22	XB1245	\$2.40						
Models 31, 31S, 32, 32S, 33, 33S and 41	XB1244	2.40						
<b>EDISON</b>								
Models R-1, R-2, C-2	XB1220	3.40						
Models R-4, R-5, C-4	XB1219	2.65						
Models R-6, R-7	XB1218	2.65						
<b>EVEREADY</b>								
Models 30, 40 and 50 Series	XB1210	2.80						
Models 1, 2 and 3	XB1349	2.25						
<b>FADA</b>								
Models 25, No. 1780X	XB1205	3.10						
Models 35, 35Z, No. 1790X	XB1203	3.10						
Model 25 and 35 (Late) No. 1801X	XB1201	3.10						
Models 42, 44, 46, 47, No. 1830X	XB1199	3.10						
Models 50, 70, 71, 72, 75, 77, No. 1492MS	XB1197	3.10						
Model KA	XB1196	3.45						
Model 43	XB1206	3.25						
<b>FREED</b>								
Models 55 and 56	XB1245	2.35						
Models 65, 78, 79, 90 and 95	XB1244	2.35						
<b>FREED-EISEMANN</b>								
Model NR 57	XB1170	2.75						
Model NR 70	XB1169	3.40						
Model NR 80	XB1158	1.78						
Model NR 85	XB1167	2.75						
Model NR 11	XB1166	2.90						
Model 480 A. C.	XB1165	1.75						
Model 480 D. C.	XB1164	1.75						
<b>FRESHMAN</b>								
Model "Q"	XB1155	1.45						
Model "QD"	XB1154	2.60						
Model N (all models)	XB1153	3.50						
Model G-60S	XB1152	2.25						
Model M-60S	XB1151	2.95						
<b>GENERAL ELECTRIC</b>								
Models H-31, 51 and 71	XB1005	1.95						
<b>GREBE</b>								
Model AC-6	XB1130	2.90						
Model SK-4	XB1129	1.65						
<b>GENERAL MOTORS</b>								
Models 120, 120, 140, 140 and 160, "A" Chassis	XB1125	3.45						
<b>GRAYBAR</b>								
Model 241	XB1019	.35						
Models 500, 560	XB1016	1.80						
Model 500	XB1015	1.80						
Model 240 Condenser Block	XB1014	1.75						
Model 340, Field Supply Filter	XB1013	1.25						
Model 340, Coupler Unit	XB1012	1.50						
Model 600	XB1010	1.20						
Model 600, By-Pass Assembly	XB1009	2.95						
Model 674	XB1021	2.45						
Models 700, 770, 900	XB1005	1.95						
<b>HAMMARLUND</b>								
Model HIQ 30	XB1105	4.25						
Model HIQ 31	XB1104	4.25						
<b>KOLSTER-COLUMBIA</b>								
Model 6-H	XB1090	2.85						
Models 6-J, 6-K, 6-L	XB1089	2.60						
Models K-20, 22, 25 and 27	XB1280	.95						
Models K-21 and K-23	XB1088	2.85						
Model K-24	XB1278	2.45						
Model K-43	XB1334	2.35						
Model K-44	XB1087	1.95						
Model K-45	XB1086	3.25						
<b>MAJESTIC</b>								
Model 70 Series, 7P6 Power Unit, Early Models	XB1071	\$1.85						
Model 70, Series, 7BP6 Power Unit, Late Models	XB1070	1.85						
Model 80-180, 8PB6 Power Unit	XB1069	3.50						
Model 90, Series 9PB6 Power Unit	XB1067	1.90						
Models 90-B and 100-B	XB1065	1.90						
Models 50, 52	XB1063	2.40						
Model 20 Condenser and Input Transformer	XB1064	3.75						
Models 30 and 31 Condenser and Choke Assembly	XB1066	3.75						
60-61-62-160-16	XB1068	3.25						
<b>MAJESTIC ELIMINATOR BLOCKS</b>								
"A" Elim. Condenser	XB849	2.40						
"B" Super Condenser	XB848	1.90						
"B" Master Condenser	XB847	1.90						
"B" Special Master Condenser	XB846	1.95						
<b>PEERLESS</b>								
Model 65	XB1045	1.95						
Model 70	XB1044	2.75						
<b>PHILCO</b>								
Model 20	XB1030	2.75						
Model 65	XB1029	1.75						
Model 82	XB1028	1.90						
Model 86	XB1027	1.75						
Model 87	XB1026	1.75						
Model 511	XB1025	1.75						
Models 95, 96, 206, 111, 211, 112, 212	XB1031	3.80						
Models 76 and 77	XB1032	2.95						
<b>RCA-RADIOLA</b>								
Models 17 and 20	XB1020	1.25						
Models 18, 33 and 51	XB1019	.35						
Model 30-A Filter	XB1018	2.75						
Model 30-A By-Pass	XB1017	2.45						
Models 42, 45	XB1021	2.45						
Models 44, 46 and 47	XB1016	1.80						
Models 33, 44, D. C.	XB1002	.85						
Model 60	XB1015	1.80						
Model 62 Filter	XB1014	1.75						
Model 62 Field Filter	XB1013	1.25						
Model 62 Coupling Unit	XB1012	1.50						
Model 64 Filter Block	XB1011	4.95						
Model 66 Filter Block	XB1010	1.20						
Model 66 By-Pass Unit	XB1009	2.95						
Model 64 By-Pass Unit	XB1008	.95						
Model 67 Filter Block	XB1007	5.50						
Model 67 By-Pass Unit	XB1006	1.50						
Models 80, 82 and 86	XB1005	1.95						
RN, 10, 12, RE 19	XB1023	3.65						
<b>SPARTON</b>								
Model AC-5	XB980	3.30						
Models AC-7, 62 and 63	XB979	3.40						
Model 109	XB978	4.45						
Model 89-A	XB976	3.95						
Models 69, 70 and 89	XB975	2.95						
Model 301-A	XB974	4.25		</				



# Radiola-Victor



## CONDENSER BLOCKS

**Genuine Victor Filter Condenser Block Replacement for Models R-32, RE-45, R-32, RE-75**



Contains one 2 mfd. and one 1 mfd. condenser. Total capacity 3 mfd. at 50 volts. This block is used in a metal container. It is used in a metal container.

**XB890 Your Cost, Special 55¢**

**Genuine Victor Replacement for Late Models R-32, RE-45, R-52, RE-75**

Contains one 2 mfd. and one 1 mfd. condenser. Total capacity 3 mfd. at 50 volts. This block is used in a metal container. It is used in a metal container.



**XB893 Your Cost 1.15**

**Genuine RCA-Radiola Condensers Radiola 17-50 Brunswick PR-17-8 Victor 7-25 Part No. 8289**



Genuine replacement filter condenser for the above models. Contains one 2 mfd. and one 1 mfd. condenser. Total capacity 3 mfd. at 50 volts. It is used in a metal container. Ship. wt. 4 lbs.

**XE1020 \$19.20 Your Cost 1.25**

**RCA Models 44-46-47 Graybar 500-550 Part No. 8376**

The original Radiola filter condenser for the above models. Contains one 2 mfd. and one 1 mfd. condenser. Total capacity 3 mfd. at 50 volts. It is used in a metal container. Ship. wt. 4 lbs.

**XB111 \$19.00 Your Cost 1.80**

**Radiola Model 60 Graybar Model 500 Brunswick Model 500 Part No. 8346**

The original Radiola filter condenser for the above models. Contains one 2 mfd. and one 1 mfd. condenser. Total capacity 3 mfd. at 50 volts. It is used in a metal container. Ship. wt. 4 lbs.

**XB1015 \$16.50 Your Cost 1.80**

**Radiola 18-33-51 Brunswick, 2Kro, 3Kro, 3Kr6, 5Kr, 5Kro, 5Kr6, Victor 7-11, 7-26 Graybar Model 311 (Part No. 8333)**

Original filter condenser for the above models. Contains one 2 mfd. and one 1 mfd. condenser. Total capacity 3 mfd. at 50 volts. It is used in a metal container. Ship. wt. 4 lbs.



**XB1019 \$7.40 Your Cost 35¢**

**Radiola Model 64 Victor 9-18 and 9-54 Part No. 8368 Filter Capacitor**



The Genuine Radiola Filter Capacitor for the above models. Contains one 2 mfd. and one 1 mfd. condenser. Total capacity 3 mfd. at 50 volts. It is used in a metal container. Ship. wt. 4 lbs.

**XB1011 \$30.00 Your Cost 4.95**

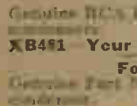
**RCA Model 42 and 48 Transformer and Capacitor Block**



For Victor Models 14, 16 and 17, G.E. 7-31, Graybar 578, 579, 581 and Westinghouse W-104. Contains transformer and capacitor in metal container. Ship. wt. 4 lbs.

**XB1021 \$12.00 Your Cost 2.45**

**RCA-Victor By-Pass Assemblies Models 17-50-60-62-64**



Genuine RCA Part No. 8901. Contains two 2 mfd. condenser. Ship. wt. 4 lbs.

**XB491 Your Cost Each 18¢ For Model 41 A. C.**

**XB484 Your Cost Each 15¢ For Models 44-46-47**

**Genuine Part No. 6002. Contains one .25 mfd. and one .75 mfd. condenser. XB485 Your Cost Each 19¢ Part No. 6003. Contains three .1 mfd. XB486 Your Cost Each 18¢**

**For Model 33 A. C. Part No. 6005. Contains one .5 mfd. and one 1 mfd. condenser. XB522 Your Cost Each 25¢**

**For Models 18 and 51 Part No. 6241. Contains two .5 mfd. XB483 Your Cost Each 19¢**

Ship. wt. 1 lb.

**Filter Condenser Models R-50, R-55, RE-20, RAE-59 and RAE-79**



The genuine RCA replacement filter condenser for the above models. Contains one 2 mfd. and one 1 mfd. condenser. Total capacity 3 mfd. at 50 volts. It is used in a metal container. Ship. wt. 4 lbs.

**XB531 Your Cost 2.95**

**NOTE**  
A further listing of RCA-Victor condenser blocks will be found on page 121.

**Graybar Model 340 Radiola Model 62 Brunswick 3NC8, 5NC8 Part No. 8382**



The original Radiola replacement filter condenser for the above models. Contains one 2 mfd. and one 1 mfd. condenser. Total capacity 3 mfd. at 50 volts. It is used in a metal container. Ship. wt. 4 lbs.

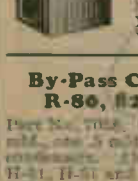
**XB1014 Your Cost 1.75**

**Auditorium Radiola-Phonograph Radiola Model 66 Graybar Model 600 Part No. 8487**

Original Radiola Part No. 8487. Contains two 2 mfd. and one 1 mfd. condenser. Total capacity 5 mfd. at 50 volts. It is used in a metal container. Ship. wt. 4 lbs.

**XB110 \$14.25 Your Cost 1.20**

**Radiola Model 66 Graybar Model 600**



The genuine Radiola Part No. 8487. Contains two 2 mfd. and one 1 mfd. condenser. Total capacity 5 mfd. at 50 volts. It is used in a metal container. Ship. wt. 4 lbs.

**XB1009 \$2.95 Your Cost Each**

**By-Pass Condensers R-80, R-2, and 86**



Part No. 8001. Contains three .1 mfd. and one .5 mfd. condenser. Total capacity 1.3 mfd. at 50 volts. It is used in a metal container. Ship. wt. 4 lbs.

**XB532 Your Cost 45¢**

**Models R-32, RE-45 R-52 and RE75**



Part No. 8002. Contains two .5 mfd. and one 1 mfd. condenser. Total capacity 2 mfd. at 50 volts. It is used in a metal container. Ship. wt. 4 lbs.

**XB479 Your Cost Each 15¢**

**Radiola Model 64 Victor Models 9-18, 9-54 By-Pass Condenser Block**

Genuine RCA Part No. 8902. Contains the full wiring capacitor. One 2 mfd. and one 1 mfd. and three .1 mfd. It is used in a metal container provided with solder lugs and leads. Ship. wt. 3 lbs.



**XB1008 \$9.00 Your Cost 95¢**

**Filter and By-pass Condensers R-11, R-18, R-18A and RE-21**



Genuine replacement Part No. 7273. Containing one .4 mfd. and one .8 mfd. and two .1 mfd. and one .5 mfd. All in single metal container. For 25-60 cycle operation. Ship. wt. 4 lbs.

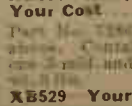
**XB1003 \$10.00 Your Cost 3.25**

**Filter and By-pass Assembly Models R-7A, RE-16A**

Genuine Part No. 7254-44001. Contains two .5 mfd. and one .1 mfd. and one .005 mfd. and one .1 mfd. condenser. Ship. wt. 4 lbs.

**XB1001 \$1.35 Your Cost Each**

**By-Pass Assemblies for Models R50, R-55, RE-20, RAE-59, RAE-79**



Delicious Part No. 1254. Contains one 1 mfd. and one .5 mfd. and one .1 mfd. condenser. It is used in a metal container. Ship. wt. 4 lbs.

**XB530 \$2.10 Your Cost 95¢**

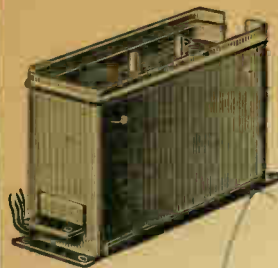
**XB529 Your Cost 95¢**

# Trutest

# CONDENSER BLOCKS

## ATWATER KENT Power Units

Exact Duplicate of the Original



Heretofore servicemen have had to accept makeshift packs assembled from reclaimed and surplus material, which naturally gave poor and short lived service. By contracting for a large quantity of these units, we were able to get packs made up from brand new first quality materials that were made especially for the purpose. They are equal or superior to the original units. Color coded exactly like the originals. Planograph of the hook-up furnished with each unit.

For Models 40, 56 and 57  
Shpg. wt. 17 lbs.  
XB1381—Your Cost **\$4.95**

For Models 42, 44, 45 and 52  
Shpg. wt. 17 lbs.  
XB1376—Your Cost **\$4.95**

For Model 41 D. C.  
Complete with resistors. Shpg. wt. 17 lbs.  
XB1383—Your Cost **\$1.95**

For Models 43, 46, 47 and 53  
Shpg. wt. 19 lbs.  
XB1375—Your Cost **\$7.15**

## Power Units for Models 37 and 38

Exact Duplicate of the Original



These Trutest Replacement Blocks produce a lasting and satisfactory job—one that you will be proud of. Built especially for us from the highest grade materials. They are exact duplicates of the original units in every detail. They contain the filter condenser block and three chokes; two high voltage filter chokes and one speaker choke. No changes necessary to install in chassis. Leads color coded; diagram furnished. Shpg. wt. 7 lbs.

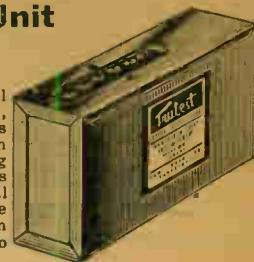
XB1378—Your Cost **\$1.70**

## MAJESTIC Power Unit

Condenser Blocks

For Early Model Receivers

These blocks are built to the original Majestic specifications from brand new, first quality merchandise, guaranteed as to quality. Constructed with new high voltage paper condensers to insure long and satisfactory service. These units are equal to or superior to the original blocks. Tinned solder lug terminals are securely riveted to a bakelite panel on top of unit. Fit chassis exactly; no changes necessary to install.



For Majestic 7BP6, 7P6  
(Sets with 171 Type Tubes)  
Size 8 3/4 x 2 1/2 x 4 1/2". Shpg. wt. 6 lbs.  
XB1071—7P6 Early Model Sets  
XB1070—7BP6 Late Model Sets  
Your Cost **\$1.85**  
Either Type

For Majestic 8P6  
(Sets with 250 Type Tubes)  
1000 volt test Condensers. Size 8 3/4 x 2 1/2 x 4 1/2". Shpg. wt. 6 lbs.  
XB1069—Your Cost Each **\$3.50**

For Majestic 9P6  
(Sets with 245 Type Tubes)  
Size 8 3/4 x 2 1/2 x 4 1/2". Shpg. wt. 4 lbs.  
XB1067—Your Cost Each **\$1.90**

For Majestic "A" Eliminators  
Size 3 1/4 x 3 3/4 x 7 3/4". Shpg. wt. 4 lbs.  
XB849—Your Cost Each **\$2.35**

## MAJESTIC 20 Chassis Condenser Bank and P. P. Input Transformer

Exact Duplicate of the Original

An exact duplicate replacement for the original Majestic filter block and push-pull input assembly, part No. 3887. Contains two 2 mfd. and two 1 mfd. condensers and the P. P. input transformer. Fits the chassis exactly without the necessity for making any changes. Solder lug terminals are securely fastened on bakelite panel, and tinned for easy connections. Shpg. wt. 6 lbs.



XB1064—Your Cost Each **\$3.75**



## KOLSTER K-43

The original Duhiiler Type PL1557 Filter Condenser for the Kolster K-43. 5.1 mfd. total capacity. Shpg. wt. 3 lbs.

XB1334—Your Cost **\$2.35**

## STROMBERG-CARLSON Filter

Models 641, 642, 652, 654

An exact duplicate Stromberg-Carlson filter condenser. Total capacity 9 mfd. Shpg. wt. 11 lbs.

XB916—Your Cost **\$3.60**



## Original MAJESTIC Condenser Blocks

For 90B and 100B  
Models 90, 91, 92, 93, 102 and 103

Majestic Replacement Part No. 1564, for replacement in the above sets. Contains: Three 2 mfd. and one 1 mfd. Shpg. wt. 6 lbs.  
XB1065—Your Cost **\$1.90**



## Majestic REPLACEMENT PARTS

### PLATE TRANSFORMER 70 SERIES 7 BP6 Pack

Original Majestic Part No. 67  
Shpg. wt. 6 lbs.  
XC2104—Your Cost **75¢**

### PLATE TRANSFORMER—MODEL 180 For 8BP6 Pack

Exact Duplicate of the original. Shpg. wt. 9 lbs.  
XC2169—Your Cost **\$4.25**

### FILAMENT & PLATE TRANSFORMER MAJESTIC 9BP6 Power Packs

Original Majestic Part No. 426, for 90 Series.  
and new. Shpg. wt. 15 lbs.  
XC2100—Your Cost **\$1.35**

### MAJESTIC 90-B and 100-B

Duplicate of the original Majestic part. Filament and plate transformer in one container. Shpg. wt. 15 lbs.  
XC2127—Your Cost **\$3.90**

### FILAMENT TRANSFORMER 70 SERIES 7BP Power Packs

Original Majestic Part No. 61. Shpg. wt. 6 lbs.  
XC2105—Your Cost **75¢**

### PUSH-PULL OUTPUT TRANSFORMER MAJESTIC 90 Series

Original Majestic Part No. 134.  
Shpg. wt. 3 lbs.  
XC2107—Your Cost **59¢**

### 90-B PUSH-PULL INPUT OUTPUT TRANSFORMERS

P. P. Input, Majestic Part No. 1551.  
XC2094—Your Cost **95¢**  
P. P. Output, Majestic Part No. 1552.  
XC2095—Your Cost **95¢**

### CHOKE FOR 70 SERIES

Original Majestic Part No. 66. Used in 7BP6 Power Pack. Shpg. wt. 8 lbs.  
XC2101—Your Cost **25¢**

### DOUBLE CHOKE FOR 180 SERIES

Original Majestic Part No. 626.  
For 8P6 Pack. Shpg. wt. 8 lbs.  
XC2102—Your Cost **49¢**

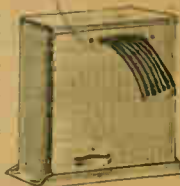
### DOUBLE CHOKE FOR 90 SERIES

Original Majestic Part No. 281. For 9P6 Pack. Shpg. wt. 9 lbs.  
XC2103—Your Cost **75¢**

## FADA Model 43 Condenser Block

Built according to the standards of the original Fada condenser bank No. 1865-X. Contains: 2 mfd. at 600 volts, 2 mfd. at 400 volts and 2-1.0 mfd. at 400 volts. Shpg. wt. 4 lbs.

XB1206—Your Cost **\$3.25**



Models 42, 44, 46, 47, No. 1830X  
Similar in appearance to the above. Contains 7.1 microfarads of condenser.  
XB1199—Your Cost **\$3.10**

## SPARTON Models 69, 79, 89

These are brand new condenser blocks made especially for replacement in Sparton models. Only the highest grade of paper and foil used in the construction of these units. The original specifications have been strictly adhered to. For guaranteed satisfaction, use these for Sparton replacements. Shpg. wt. 5 lbs.



XB975—Your Cost **\$2.95**

To Speed Handling of YOUR Order -- Use Our Order Blank

# Use **Trutest** Electrolytic **DRY** CONDENSERS

**Preferred By Servicemen-Engineers and Manufacturers**



**Trutest Dry Electrolytic Condensers** are the highest quality available. They are made with the most advanced materials, both from mechanical standpoint and the superior performance which they give in their operation, which are beyond question. **"Trutest Unsurpassed Quality."**

The **Heavy Factor** of all Trutest Dry Electrolytic Condensers is guaranteed to be from 4 to 50%. Leakage is better than the I.E.M. rating of 1.0 m.u. per microfarad. Actual tests on an average Trutest 1 mfd. dry electrolytic show a leakage of .2 m.u. at rated working voltage at 25° C.

Trutest Dry Electrolytics are **Guaranteed** to have their actual rated capacities with R.M.A. tolerances of plus or minus 10%. Laboratory test invariably shows that Trutest Dry Electrolytics actually have a P.F.S.I. of 100%. Efficient filtering of r-f and a-f frequencies. **GUARANTEED.**

### Multiple Sections Can Type



This series of dry electrolytic capacitors is available in various sizes, from .001 to 1000 mfd. They are available in various voltages, from 50 to 500 volts. They are available in various types, from standard to special. They are available in various quantities, from 1 to 1000. They are available in various grades, from standard to special. They are available in various colors, from standard to special. They are available in various shapes, from standard to special. They are available in various sizes, from standard to special. They are available in various types, from standard to special. They are available in various quantities, from 1 to 1000. They are available in various grades, from standard to special. They are available in various colors, from standard to special. They are available in various shapes, from standard to special.

Stock No.	Cap'y Mfd.	Peak Volt.	Can. Diam. In.	Your Cost Each
XD3316	2.2	125	1.0	\$0.85
XD3317	4.7	125	1.0	1.09
XD3325	4.7	250	1.0	1.35
XD3327	10.0	250	1.0	1.65
XD3331	4.7	250	1.0	1.05
XD3318	4.7	250	1.0	1.23
XD3320	9.0	250	1.0	1.75
XD3319	4.7	250	1.0	1.62
XD3321	8.0	250	1.0	2.45

### Inverted Type

Stock No.	Cap'y Mfd.	Peak Volt.	Your Cost Each
XD3323	4.7	500	\$0.38
XD3326	4.7	500	.70
XD3335	4.7	500	.79

### Dry Electrolytic Cartridge Condensers



Enclosed in a metal cartridge container with metal ends and 1/4" tin-plated wire leads. Hermetically sealed to prevent leakage due to moisture. Very compact, making them convenient to use. Especially suited for use in the popular A.C.D.C. sets. All conservatively rated.

Stock No.	Cap'y Mfd.	Working Volt.	Peak Volt.	Your Cost Each
XD3380	8	25	55	\$0.24
XD3381	16	25	55	.23
XD3382	25	25	55	.23
XD3383	30	25	55	.42
XD3384	40	25	55	.24
XD3295	10	50	75	.30
XD3297	25	50	75	.36
XD3387	10	100	150	.26
XD3388	10	100	150	.33
XD3392	2	150	200	.24
XD3393	4	150	200	.29
XD3394	8	150	200	.36
XD3395	16	150	200	.42
XD3389	200	250	275	.24
XD3390	200	250	275	.26
XD3391	400	250	275	.30
XD3290	100	250	275	.26
XD3291	100	250	275	.27
XD3292	100	250	275	.31
XD3293	100	250	275	.25

### Special Compact Filters for A.C.-D.C. Sets 225 V. Peak



Now, smaller, more economical, more efficient, and more compact. They are easy to use. They give you the same quality as the larger units, and give you the same performance. They are available in various sizes, from 1 to 1000. They are available in various grades, from standard to special. They are available in various colors, from standard to special. They are available in various shapes, from standard to special.

Stock No.	Cap'y Mfd.	Size Inches	Your Cost Each
XD3210	10	1.0	\$0.33
XD3211	10	1.0	.40
XD3212	10	1.0	.40
XD3213	10	1.0	.49
XD3214	10	1.0	.52
XD3215	10	1.0	.57
XD3216	10	1.0	.65
XD3217	10	1.0	.66

### Trutest Special "600" Volt Peak Dry Electrolytics



This new Trutest line of "600" volt peak capacitors was designed especially to meet the demand for a unit that would meet practically any service requirement. They are made in construction and workmanship in the standard line of Trutest electrolytics but the peak voltage has been raised to 600 volts D.C. and the working voltage to 475 volts D.C. Especially recommended for use in sets of impedance where surge of more than 500 v. occurs. This series of condensers is wax impregnated and perfectly sealed in a compact cylindrical box provided with wire leads.

Stock No.	Cap'y Mfd.	Size Inches	Your Cost Each
XD3205	1	1.0	\$0.40
XD3206	2	1.0	.45
XD3207	4	1.0	.54
XD3208	6	1.0	.62
XD3209	8	1.0	.65

### Compact Dry Electrolytic Filter Units 525 V. Peak



A new, extremely compact filter unit, conservatively rated with 475 volt peak and 450 volt D.C. working voltage. Ideal for general replacement purposes.

Stock No.	Cap'y Mfd.	Size Inches	Your Cost Each
XD3223	1	1.0	\$0.27
XD3219	2	1.0	.32
XD3220	4	1.0	.40
XD3221	6	1.0	.49
XD3222	8	1.0	.52

### NOTE

Trutest condensers are preferred because of their light weight, low cost, compactness, and adaptability to mount in any position. All types may be used with almost confidence in their high quality.

### Single 8 Mfd. Can



The Trutest 8 mfd. can type, peak voltage is 250 volts. It has a working voltage of 175 volts. It is available in various sizes, from 1 to 1000. It is available in various grades, from standard to special. It is available in various colors, from standard to special. It is available in various shapes, from standard to special.

Your Cost Each **44¢**

### Single 8 Mfd. Cardboard



The most popular size in the very popular line of cardboard units is a single 8 mfd. capacitor with a peak voltage of 250 volts. It is available in various sizes, from 1 to 1000. It is available in various grades, from standard to special. It is available in various colors, from standard to special. It is available in various shapes, from standard to special.

Your Cost **42¢**

### Plain Cardboard Filter and General By-Pass Units



Available for use in the manufacture of radio sets, they are made of the finest materials and are available in various sizes, from 1 to 1000. They are available in various grades, from standard to special. They are available in various colors, from standard to special. They are available in various shapes, from standard to special.

Stock No.	Cap'y Mfd.	Working Volt.	Peak Volt.	Your Cost Each
XD3351	10	250	500	\$0.29
XD3346	10	250	500	.35
XD3347	10	250	500	.40
XD3348	10	250	500	.42
XD3349	10	250	500	.53
XD3350	10	250	500	.62

Stock No.	Cap'y Mfd.	Working Volt.	Peak Volt.	Your Cost Each
XD3353	10	500	1000	\$0.38
XD3354	25	500	1000	.32

### Multiple Sections Cardboard Container



The multiple section condensers are available for use in the manufacture of radio sets. They are available in various sizes, from 1 to 1000. They are available in various grades, from standard to special. They are available in various colors, from standard to special. They are available in various shapes, from standard to special.

Stock No.	Cap'y Mfd.	Working Volt.	Your Cost Each
XD3361	25	200	\$0.48
XD3362	25	200	.44

Stock No.	Cap'y Mfd.	Working Volt.	Your Cost Each
XD3337	10	250	\$0.53
XD3339	10	250	.65
XD3341	10	250	.70
XD3342	10	250	.72
XD3366	10	250	1.05
XD3307	10	250	1.27

# Trutest BY-PASS CONDENSERS

All Trutest Products are guaranteed to be within RMA tolerance or -10%

## Single Unit By-Pass



Universal mounting types, and compactness for general purpose work. Hermetically sealed in drawn aluminum cans. Each condenser unit tested at 1000 volts D.C. Assuring you of a quality replacement.

Stock No.	Cap.	Volt.	Your Cost
XD3260	.1	200	\$0.17
XD3261	.25	200	.20
XD3262	.5	200	.24
XD3263	1.0	200	.32
XD3264	2.0	200	.52
XD3265	.1	300	.21
XD3266	.25	300	.28
XD3267	.5	300	.32
XD3268	1.0	300	.45
XD3269	.1	400	.22
XD3270	.25	400	.26
XD3271	.5	400	.33
XD3272	1.0	400	.49

## Multi-Unit By-Pass

Stock No.	Cap.	Volt.	Your Cost
XD3273	.1-1	200	\$0.32
XD3274	.1-1-1	200	.36
XD3275	.25-25	200	.36
XD3276	.5-5	200	.47
XD3281	.1-1	300	.36
XD3282	.25-25	300	.34
XD3283	.5-5	300	.45
XD3277	.1-1	400	.32
XD3278	.1-1-1	400	.45
XD3279	.25-25	400	.40
XD3280	.5-5	400	.55

## COLONIAL By-Pass Condenser



No. 1748-SA For Model 32. This genuine Colonial type condenser. 1.1-1.5 mfd. Your Cost Each **49¢**

XB691 Your Cost Each **68¢**

## ATWATER KENT By-Pass Condensers Speaker



Models 37, 38, 40, 42, 44 and 46

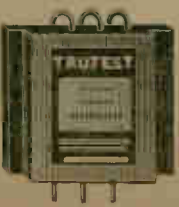
Guaranteed to be equal or superior to the original condenser. Capacity 5 mfd. Shpg. wt. 4 oz.

XD3961— **58¢**

## R. F. By-Pass Condenser

Same model as the above. Contains three 5000-ohm resistors.

XD3960— Your Cost Each **58¢**



## Trutest Midget Cartridge Condensers



These condensers are very compact, but the size of average cartridge condensers. Exceptionally adaptable to 20 D.C. sets, where space is a factor. Sealed at ends, leads cannot pull out.

Stock No.	Cap. Mfd.	Volt.	Your Cost	Stock No.	Cap. Mfd.	Volt.	Your Cost
XD3173	.01	200	\$0.06	XD3185	.002	600	\$0.07
XD3175	.05	200	.07	XD3186	.005	600	.07
XD3176	.1	200	<b>8c</b>	XD3187	.01	600	.09
XD3177	.25	200	.12	XD3188	.02	600	.08
XD3178	.5	200	.15	XD3189	.05	600	.09
XD3179	.01	400	.06	XD3190	.1	600	.11
XD3180	.02	400	<b>8c</b>	XD3191	.25	600	.17
XD3181	.05	400	.10	XD3192	.05-.05	200	<b>15c</b>
XD3182	.1	400	.09	XD3193	.1-1	200	.18
XD3183	.25	400	.13	XD3194	.25-25	200	.18
XD3174	.5	400	.18	XD3195	.05-.05	400	.16
XD3184	.001	650	.07	XD3196	.1-1	400	.17

## Handy Cartridge Condenser Assortment

Complete assortment of the most popular sizes used in average service work. It is the most convenient way of always being certain to have the correct size on hand. The handy card can be hung on bench and refilled as used up. The assortment is boxed for a needed size. Contains one of each of the following:



### Strip "A"

.1 200 volts .01 600 volts .5 200 volts .02 600 volts .1 400 volts .1 600 volts .05 400 volts .25 400 volts .1 400 volts .25-.05 200 volts .005 600 volts .1-1 400 volts

### Strip "B"

.05 200 volts .1 400 volts .25 200 volts .1 400 volts .1-.40 200 volts .25 400 volts .25-.05 200 volts .05 600 volts .1-1 400 volts

XD3197 Strip "A" **\$1.25**  
Your Cost

XD3198 Strip "B" **\$1.35**  
Your Cost

## Trutest Assorted By-Pass Condensers



A very handy assortment for the Serviceman. Contains three of the most popular capacities in drawn metal cans; assorted as follows: 500, wt. 4 lbs.

The following capacities at 200 volts: one .1, one .25, two .5, two .1; 300 volts: one .1, one .25, one .5, one 1; 400 volts: one .25, one 1.

XD3289 **\$3.50**  
Your Cost

## Trutest Cartridge Condenser Kit

Contains twenty-five of the most popular capacities used in service every make and type of receiver. Every serviceman should have this kit in his shop. The following are the capacities and voltage ratings: Units Cap. Volts. Units Cap. Volts. 2 .01 200 2 .05 200 4 .02 200 2 .05-.05 200 4 .1 200 2 .1 200 3 .1 400 2 .5 200 2 .05 200

Shpg. wt. 4 lbs. XD3199 Complete kit of 25. **\$2.59**  
Your Cost

## CROSLY Replacements

These replacement by-pass condensers are made for replacement in Crosley receivers. They EXACTLY DUPLICATE the original in every respect. The listing below covers the entire Crosley line of receivers. All are brand new and guaranteed. Shpg. wt. 10 z.



Stock No.	Cond. Part No.	Cap. Mfd.	Your Cost
XB700	W1015-B	1.0	.34
XB704	W1019	.5	.30
XB705	W1020	.5	.26
XB707	W1022	.5-.5	.65
XB708	W1023	.1	.24
XB710	W1755-B	.1-.5-1	.38

Stock No.	Cond. Part No.	Cap. Mfd.	Your Cost
XB712	W2115	.5-.25-.25	\$0.73
XB717	W2149	.5-1	.38
XB718	W2212	.1-.1-.1-.1	.45
XB719	W2205	1-5	.38
XB720	W2150	.5-.25-.25	.75

## SPARTON Tubular Condensers

New and improved type, fully sealed in a metal shell. Made especially for Sparten replacement.

Model	Your Cost
XB545 .25 mfd.	<b>32¢</b>
XB546 .5 mfd.	<b>37¢</b>
XB547 1.0 mfd.	<b>43¢</b>

Cardboard Container **33¢**  
XB511 1.0 mfd. XB512 1.0 mfd.  
Your Cost, Either Type

## Trutest Serviceman's Emergency Kit

Everything for the Average Repair



Just the thing you have always wanted—a complete assortment of all the most often used parts needed in radio service work. Guaranteed in a rugged metal case. A place for everything and everything in its place. Case 4x8 1/2". Contains the following: Electrolytic Condensers—100 8 mfd. and 100 5 mfd.; 250-500 (gray) Metal Cased By-Pass Tubular By-Pass Condensers—three .1 mfd., 400-volt, one .05 mfd., 200-volt; Mica Condensers—one .0025 mfd., one .001 mfd. and one .0025 mfd.; Wire Wound Resistors—one 2000-ohm, 25-watt; one 5000-ohm, 25 watt; one 25-ohm C.T. The following: 1-Watt Carbon Resistors—1,000, 2,000, 1-1,000, 1-2,000, 2-2,500, 2-5,000, 2-10,000, 1-2-5,000, 2-25,000, 2-100,000, 2-250,000, 1-750,000, 1-1 meg., 1-2 meg., and 1-5 meg.

Also contains the following parts: one 20 amp. blue fuse and five 3-amp. cartridge fuses (radio); one G. E. 100-volt, one 4 and one 3-amp. safety fuses; one male plug; three feet of bronze clad cable; one short stick and one long stick; three solder; one 15-amp. plug; one 15-amp. plug; one 15-amp. plug. Shpg. wt. 12 lbs. **\$8.25**  
Your Cost

## SANGAMO 1000-Volt Mica Condensers



Famous mica dielectric. Moulded into its case.

Stock No.	Cap. Mfd.	Volt.	Your Cost
XD1050	.00004	100	\$0.15
XD1051	.00005	50	.23
XD1053	.0001	100	.16
XD1054	.00015	150	.23
XD1055	.0002	200	.20
XD1056	.00025	250	<b>16c</b>
XD1058	.00035	350	
XD1060	.0005	500	
XD1048	.0007	700	.15
XD1061	.001	1000	.20
XD1074	.012	1250	.48
XD1063	.0015	1500	
XD1064	.002	2000	<b>29c</b>
XD1066	.005	2500	<b>35c</b>
XD1068	.01	3000	
XD1069	.005	5000	.41
XD1070	.005	6000	.50
XD1072	.008	8000	.53
XD1073	.01	1000	.67
XD1075	.015	1500	.72
XD1049		Resistor Clips, pr.	.06



# CORNELL DUBILIER

## The PIONEER Condenser

The Cornell-Dubilier Condenser Corporation, one of the oldest and most respected manufacturers in the field, are willing to build your type of the most complete line of condensers and by-pass units ever assembled by any manufacturer at the lowest prices in the history of the company. Each and every one of the millions of units that Cornell-Dubilier has produced since its inception in 1906 has been made under the supervision of the Corporation's chief engineers and under the most modern and complete machinery and the perfect care and attention lavished on the process of manufacturing.

In final assembly, each unit is thoroughly impregnated and made moisture proof. For these reasons, together with the fact that every tin manufacturer of radio sets and equipment use Cornell-Dubilier condensers for all their requirements, you can rest assured that each unit is a product of the finest quality. Whether Radio System Company, one of the best-known and highest distributors appointed by the Cornell-Dubilier Corporation, or the many other great radio and electronic companies, you will find a Cornell-Dubilier product that will give you the most satisfactory service under the operating conditions for which it was designed.

### Cardboard Cased Filter and By-Pass Units

#### TYPE EE

Cornell-Dubilier Type EE electrolytic condensers are by far the best improvement in all electronic design. They are made of heavy-duty metal by a special process of metallization, which makes them completely impervious to moisture. As a result, they are completely unaffected by humidity. In construction, Cornell-Dubilier Type EE units are of the "sandwich" type, with low-voltage plates of copper or aluminum on the inside and a heavy steel casing on the outside. Since the terminals are securely attached to the condenser and will not pull out, the condenser is securely mounted on your chassis. A complete manual for general information use.



#### 525 Volts Peak

Stock No.	Cap'y Mfd.	Dimensions L. W. D.		Your Cost Each
XD3618	2			\$0.39
XD3619	4			.43
XD3620	6			.54
XD3621	8			.57
XD3622	10			.69
XD3623	12			.78
XD3624	16			.87

### Multiple Section Units

#### TYPE EG

These condensers are similar to the above but consist of a number of individual units within a single container. Available in sizes from 2 to 4 units. They are completely waterproof and make a great deal of sense where a number of condensers are used in one chassis or amplifier.

#### 525 Volts Peak

Stock No.	Cap'y Mfd.	Dimensions L. W. D.		Your Cost Each
XD3626	4			\$0.72
XD3627	4-1			<b>81 c</b>
XD3628	4-2			1.20
XD3629	4-4			<b>87 c</b>
XD3629	4-2			.90
XD3691	4-1			1.08
XD3692	4-2			1.32
XD3693	4-4			1.32
XD3694	8			1.77
XD3695	16			1.77

### Single and Dual Sections with Mounting Flanges

#### TYPE EH

These condensers are the same electrically as the Type EG units, but the flange on each side is mounted so that they are secured to your chassis by one screw which are provided with mounting strips. Mounting holes are arranged with circles. In construction, mounting holes are cut from brass in all dual units. Peak voltage 525 volts; working voltage 350 D.C.



Stock No.	Cap'y Mfd.	Dimensions L. W. D.		Your Cost Each
XD3624	4			\$0.45
XD3625	4			.57
XD3626	4-4			.72
XD3627	4-4			<b>81 c</b>
XD3628	4			1.70
XD3629	6-2			<b>87 c</b>
XD3630	6-2			1.90
XD3631	8-4			1.90
XD3632	8-4			1.90

### Special Compact Filters

#### 525 V. Peak 450 V. Working

#### TYPE RHM

These new small units were designed especially to meet the ever-growing demand for good filter units. They are made in a standard size for all electronic equipment. The RHM unit is provided with stiff wire leads that can be easily bent and then they are ready to use. They are of the "sandwich" type, with low-voltage plates of copper or aluminum on the inside and a heavy steel casing on the outside. Peak voltage 525 volts D.C. working voltage 450.



Stock No.	Cap'y Mfd.	Dimensions L. W. D.		Your Cost Each
XD3614	5			\$1.55
XD3615	5			.65
XD3616	5			.75
XD3617	5			.95

Your Cost Each \$0.33

### RHM "Handy-Mike" Kit

Contains the essentials of the radio shown in picture above. Unit in all. \$5.80. Your Cost \$3.48

### "Hi-Mike" Cartridge Type Electrolytics

#### TYPE FD

Very compact. High dielectric constant. Self-supporting with wire leads that snap on and off. Leads are readily twisted to connect.



Stock No.	Cap'y Mfd.	Dimensions L. W. D.		Your Cost Each
XD3600	5			.36
XD3601	10			.39
XD3602	20			.48
XD3603	25			.57
XD3604	50			.60
XD3605	5			.30
XD3606	10			.39
XD3607	20			.48
XD3608	5			.33
XD3609	10			.42
XD3610	20			.57
XD3611	5			.33
XD3612	10			.39
XD3613	5			.45

Your Cost Each 30c

### Junior "Handy-Mike" Kit

The Junior kit includes a selection of 16 low voltage vacuum tubes designed to take care of a great portion of the replacement requirements of the average service call. Each of the vacuum tubes has self-wire leads and is mounted on a printed circuit. Tubes are called for use in the popular J.C.D.C. models shown. All tubes are type 9A, 200.



Stock No.	Cap'y Mfd.	Power Volts	Wgt. Grams	List Each
1		200	200	\$0.65
2		200	200	.85
3		200	200	.95
4		200	200	.50
5		200	200	1.05

XD3657 - Complete Junior Kit. List \$8.00. Your Cost \$4.80

### "Hi-Mike" Round Metal Can Condensers Type EA



For use in amplifiers, power supplies and other equipment where stability and dependability are essential. Type EA Condensers are of the D.C. working voltage 525 V. peak 350 V. working voltage.

Stock No.	Cap'y Mfd.	Dimensions L. W. D.		Your Cost Each
XD3640	2			\$0.45
XD3641	4			.51
XD3642	6			.60
XD3643	8			.63
XD3644	10			.75
XD3645	12			.84

### Dual and Multiple Sections Type EA



These dual and multiple sections are specially designed so they can be mounted in upright, horizontal, or any other position without affecting operation. All provided with mounting strips. Can be mounted. Peak voltage 525 V. working voltage 350 V. D.C.

Stock No.	Cap'y Mfd.	Dimensions L. W. D.		Your Cost Each
XD3633	4-1			\$1.38
XD3634	4-2			1.68
XD3635	4-4			1.29
XD3636	8-1			1.62
XD3637	8-2			2.25
XD3638	8-4			2.16
XD3639	8-8-1-18			2.91

### Inverted Can Type With Leads

Similar to Type EA, but for inverted mounting. Provided with positive and negative leads. Can be mounted from top. Peak voltage 525, working voltage 350.

Stock No.	Cap'y Mfd.	Dimensions L. W. D.		Your Cost Each
XD3648	2			\$0.45
XD3646	4			.51
XD3647	6			.60
XD3648	8			.63
XD3649	10			.75

### Inverted Can Type with Lug

Similar to the above, but with solder lug terminal. Can negative.

Stock No.	Cap'y Mfd.	Dimensions L. W. D.		Your Cost Each
XD3963	2			\$0.45
XD3964	4			.51
XD3965	6			.60
XD3966	8			.63
XD3967	10			.75

### High Capacity Low Voltage "A" Condensers

Ideally suited to provide burn-out protection in power supplies. Also for low voltage applications for making phono, and other phono-horn use.

Stock No.	Cap'y Mfd.	Working Voltage	Your Cost Each
XD3975	1000	12	\$2.16
XD3976	1000	12	3.00
XD3977	2000	12	3.81
XD3978	1000	18	5.00
XD3979	1000	18	4.35
XD3980	2000	18	5.52





# DUBILIER

the QUALITY STANDARD since 1910



## "Cub" Cartridge Condensers



Cornell "Cub" condensers have become the most universally used condensers in radio set design. Used extensively by over 135 radio set manufacturers. Units are wound on a wooden core, thoroughly impregnated, and cased in cardboard containers. Stiff wire leads are fastened to metal caps which are gouged into the core so that they cannot loosen.

Stock No.	Cap'y Mfd.	Diam. In.	Work. Volts	Your Cost
XD3734	.1	.4	400	\$0.18
XD3724	.25	.4	400	.24
XD3725	.5	.4	400	.30
XD3726	1.0	.4	400	.45
XD3727	.1	.6	600	.21
XD3728	.5	.6	600	.36
<b>"Dual Cubs"</b>				
XD3729	.01-.01		400	.24
XD3730	.05-.05		400	.30
XD3731	.01-.01		600	.27
XD3732	.05-.05		600	.36
XD3733	.1-.1		600	.39

## "Dwarf Tiger" Units



Developed to meet the demand for an extremely low cost condenser especially suited for use in small midget sets where space is limited. They are light in weight, and can easily be connected between points by means of their leads only.

Stock No.	Cap'y Mfd.	Diam. In.	Work. Volts	Your Cost
XD3735	.01	.440	400	12¢
XD3736	.02	.440	400	.15
XD3737	.05	.440	400	.18
XD3738	.1	.440	400	.27
XD3739	.25	.440	400	.30
XD3740	.5	.440	400	.36
XD3684	.0001	.440	600	
XD3685	.00025	.440	600	
XD3741	.0005	.440	600	12¢
XD3742	.001	.440	600	.15
XD3743	.002	.440	600	.18
XD3744	.005	.440	600	.27
XD3745	.01	.440	600	.30
XD3746	.02	.440	600	.36
XD3747	.05	.440	600	.45
XD3748	.1	.440	600	.54
XD3749	.25	.440	600	.63
XD3750	.5	.440	600	.72

## Cornell "Cub" Condenser Kit

This kit consists of a careful selection of 60 of the capacities and voltage ratings which have been found to most nearly fill practically all replacement requirements on service calls. Used most frequently by over 135 set manufacturers. Contains the following:

Units	Cap'y	Volts	Units	Cap'y	Volts
4	.05	200	2	.001	600
5	.1	200	3	.002	600
6	.1	400	3	.006	600
6	.25	400	3	.01	600
6	.5	400	6	.02	600
2	.0001	600	4	.05	600
3	.00025	600	6	.1	600



XD3698 Kit. List \$18.00  
Your Cost **\$9.72**

## Single and Multiple Units in Metal Cans



These single and multiple section condensers are **Non-Inductive**. Housed in one-piece drawn metal cans, and thoroughly plated to prevent corrosion. Terminals are securely riveted to bakelite panels to prevent surface leakage. All units are hermetically sealed against moisture. Dual units have common terminal; triple units have common grounded to can.

Stock No.	Cap'y Mfd.	Work. Volts	Your Cost
XD4067	.05	400	\$0.27
XD4068	.1	400	.30
XD4069	.25	400	.36
XD4070	.5	400	.45
XD4071	1.0	400	.60
XD4072	2.0	400	.93
XD4073	.1	600	.36
XD4074	.25	600	.42
XD4075	.5	600	.57
XD4076	1.0	600	.72

## "Dwarf Tiger" Condenser Kit

An assortment of 50 capacitors designed to meet the space demands of the present A. C.-D. C. midget receiver. Contains the following:

Units	Cap'y	Volts	Units	Cap'y	Volts
2	.05	200	2	.0001	600
2	.1	200	2	.00025	600
3	.02	400	2	.001	600
4	.05	400	4	.005	600
5	.1	400	6	.006	600
3	.25	400	6	.01	600
2	.5	400	4	.1	600
			3	.25	600



XD3968—Complete Kit. List \$13.75  
Your Cost **\$7.52**

### NOTE

A 2% discount will be allowed on purchases of all units listed on this page. An extra 10% will also be allowed on any assortment of 10 or more of these units.

## Midget Receiving Micacs



With Wire Leads or Lug Terminals

These units consist of careful assemblies of selected mica and foil subjected to predetermined pressure for exact capacity. Provided with soldering lug or wire lead terminals. Used extensively by set manufacturers. 1000 volt test.

Stock No.	Cap'y Mfd.	Work. Volts	Your Cost
XD3715	.00005	1000	9¢
XD3716	.0001	1000	.12
XD3717	.00025	1000	.15
XD3718	.0005	1000	.21
XD3719	.001	1000	.24
XD3720	.002	1000	.27
XD3721	.003	1000	.33
XD3722	.004	1000	.36
XD3723	.005	1000	.39

## Uncased Renewal Sections



Oil treated, hermetically sealed units that stand up under continuous duty. They are thoroughly impregnated, and covered by a paper wrapper. These units are ideal for use in replacing defective single sections of condenser blocks. Have insulated wire leads, securely anchored to the sections and color coded according to the voltage. Sizes listed below cover a great majority of replacement demands.

Stock No.	Cap'y Mfd.	Wkg. Volts	Your Cost
XD4035	.5	400	\$0.33
XD4036	1.0	400	.45
XD3981	2.0	400	.69
XD3982	.25	600	.33
XD4037	.5	600	.39
XD4038	1.0	600	.60
XD3983	2.0	600	.84
XD3984	4.0	600	1.56
XD4039	1.0	1000	.93
XD4040	2.0	1000	1.53

# Replacement Condensers for A.C.-D.C. Midgets

Here is something really new and worthwhile. The finest idea you ever heard of to make your service work easier and better than ever before. The present day A. C.-D. C. midgets usually contain multiple section condenser blocks with capacities and working voltages entirely different from the regular line of replacement condensers. It has, therefore, been very difficult for the serviceman to find replacement parts for those defective units he comes across in his daily work. Wholesale Radio

Service Co., as usual, is among the first to offer a comprehensive listing of exact duplicate replacement condenser blocks for the most popular of the present A. C.-D. C. midgets. Each unit is an exact duplicate of the original, both physically and electrically.

Lack of space prevents listing all available units, but practically any unit can be supplied on order, at the very lowest prices.

Manufacturer	Cap'y Mfd.	Working Voltage	Stock No.	Your Cost	Manufacturer	Cap'y Mfd.	Working Voltage	Stock No.	Your Cost
Atwater Kent	8-8	300	XD2951	\$0.93	International	3-3	100	XD2963	\$0.57
Crosley	8	250	XD2952	.66	International	3	15	XD2964	1.11
	8	25			International	4-10-10	150	XD2965	.87
	7	450	XD2953	1.14	Philco	4-8	350	XD2966	.27
Crosley	6	400			Pilot	2	100	XD2967	.39
	8	55	XD2954	.57	Pilot	2	350	XD2968	.42
Crosley	6	300			R. C. A.—Victor	1	250		
	8	25	XD2955	.39	R. C. A.—Victor	3-6	100	XD2969	.39
Crosley	2.5	80	XD2956	1.11	R. C. A.—Victor	5-5	35	XD2970	.63
Emerson	4-16	150			R. C. A.—Victor	4	150		
	8	100	XD2957	.72	R. C. A.—Victor	4	450	XD2971	.54
Grigsby Grunow	8-16	100	XD2958	.78	R. C. A.—Victor	4	150		
Grigsby Grunow	12-16	100	XD2959	.81	R. C. A.—Victor	4	300	XD2972	1.14
Grigsby Grunow	16-16	100	XD2960	1.08	Spartan	6-10	250		
Halsen	16-8-4	150	XD2961	1.20	Spartan	4	200	XD2973	1.05
Halsen	16-16-4	150	XD2962	.99	Spartan	4-12	450		
Halsen	16-4	150							

ONE Standard VOLTAGE for ALL Capacities of Condensers

Power Factors on ALL Condensers Guaranteed to be under 10%

**Upright Can Type Dry Electrolytics**

For general replacement use, or for use by the set builder.

Mounted in cylindrical aluminum cans. Larger sizes have bolt and nut terminals, smaller sizes, soldering lugs. Come complete with mounting ring that permits mounting condenser in any position desired. Maximum surge voltage 600 volts.

Stock No.	Cap. Mfd.	Size, In. L D	Your Cost
XD2600	2	3.1 x 1	\$0.66
XD2601	4	3.1 x 1	.75
XD2602	6	4.1 x 1	.87
XD2603	8	4.1 x 1	.90
XD2604	10	4.1 x 1	1.08
XD2605	12	4.1 x 1	1.23
XD2606	16	4.1 x 1	1.38
XD2607	8-8	4.1 x 1	1.44
XD2608	4-4-4	4.1 x 1	1.68
XD2609	8-8-8	4.1 x 1	2.40
XD2610	5-15	4.1 x 1	2.00
XD2611	9-9-18	4.1 x 1	3.48
XD2612	9-9-18-18	4.1 x 1	4.89
XD2613	8-8-8-8	4.1 x 1	3.21
XD2614	8-8-18-18	4.1 x 1	4.53
XD2615	18-18	4.1 x 1	2.94

**Inverted Can Type**

This type, made only in the smaller sizes, has a threaded neck with a lock and lock washer to mount through hole in chassis.

Stock No.	Cap. Mfd.	Size, In. L D	Your Cost
XD2616	4	3.1 x 1	\$0.75
XD2617	6	4.1 x 1	.87
XD2618	8	4.1 x 1	.88

**Special Replacements for A. C. - D. C. Receivers**



Though having a lower voltage rating (dual five-55 volts; dual four-150 volts) than the balance of the 600-Line, these special replacements have been included because they will stand up for longer than the condensers ordinarily used.

Stock No.	Cap. Mfd.	Size, In. L W T	Your Cost
XB473	5-5	2 x 1 x 1.5	\$0.69
XB474	4-4	2 x 1 x 1.5	.87

**Oil Filled Vibrator Condensers**

Capable of standing up under 1500 volts. Housed in metal can with tab mounting, etc. Pig tail lead for connecting. Extremely compact.

Stock No.	Cap. Mfd.	Size, In. L W T	Your Cost
XN14276	.01 Mfd.		<b>27¢</b>
XN14277	.02 Mfd.		
XN14278	.04 Mfd.		
XN14279	.05 Mfd.		
Your Cost Any Size			



**SPRAGUE '600 LINE'**

**"EC" Condensers and Emergency Kits**



These compact high voltage (600-volt peak) dry electrolytics have a guaranteed power factor of less than 10%.

Stock No.	Cap. Mfd.	Size, In. L W D	Your Cost
XD2670	1 2	1 x 1 x 1	\$0.50
XD2671	2 2	1 x 1 x 1	.56
XD2672	4 2	1 x 1 x 1	.68
XD2673	6 2	1 x 1 x 1	.76
XD2674	8 2	1 x 1 x 1	.79

Emergency Kit No. 1 contains two each of the above; Kit 2, one each.

**Your Cost \$6.58**  
**Kit No. 1**  
**Your Cost \$3.36**  
**Kit No. 2**

**Cardboard Type Dry Electrolytics**



Mounted in wafer cardboard containers with mounting lugs and have color coded leads for easy identification. Maximum peak surge voltage 600 volts.

Stock No.	Cap. Mfd.	Size, In. L W T	Your Cost
XD2646	2	2 1/2 x 1 x 1	\$0.57
XD2647	4	4 1/2 x 1 x 1	.69
XD2648	6	4 1/2 x 1 x 1	.78
XD2649	8	4 1/2 x 1 x 1	.79
XD2650	2-4	1 1/2 x 1 x 1	.99
XD2651	4-4	1 1/2 x 1 x 1	1.06
XD2652	4-6	1 1/2 x 1 x 1	1.15
XD2653	4-8	1 1/2 x 1 x 1	1.18
XD2654	6-6	1 1/2 x 1 x 1	1.27
XD2655	6-8	1 1/2 x 1 x 1	1.29
XD2656	8-8	1 1/2 x 1 x 1	1.29

**Tubular Condensers**

These cardboard tube condenser type capacitors in size and class rated at 600 volts maximum peak surge voltage. Long thin lead permits easy mounting and connecting. Can be used for both by-pass and filter circuits on A. C. or D. C.



Stock No.	Cap. Mfd.	Size, In. L D	Your Cost
XD2627	.0001	1 x 1	<b>15¢</b>
XD2628	.00025	1 x 1	
XD2629	.0005	1 x 1	
XD2630	.0005	1 x 1	
XD2631	.001	1 x 1	
XD2632	.002	1 1/2 x 1	
XD2633	.003	1 1/2 x 1	
XD2634	.004	1 1/2 x 1	
XD2635	.005	1 1/2 x 1	
XD2636	.006	1 1/2 x 1	
XD2637	.01	1 1/2 x 1	<b>18¢</b>
XD2638	.02	1 1/2 x 1	
XD2639	.05	1 1/2 x 1	
XD2640	.08	1 1/2 x 1	
XD2641	.1	1 1/2 x 1	
XD2642	.2	1 1/2 x 1	<b>21¢</b>
XD2643	.5	1 1/2 x 1	

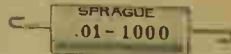
**Midget Condensers**



Extremely compact in size. Tested to withstand 1000 volts.

Stock No.	Cap. Mfd.	Your Cost
XD2657	.0001	<b>15¢</b>
XD2658	.00025	
XD2659	.0004	
XD2660	.0005	
XD2661	.001	
XD2662	.004	
XD2663	.005	
XD2664	.006	
XD2665	.01	
XD2666	.02	
XD2667	.05	<b>18¢</b>
XD2668	.06	
XD2669	.1	<b>21¢</b>

**Oil-Filled By-Pass Condensers For Short Wave Receivers**



These special by-pass units are housed in tubular metal cans. Are oil filled and oil impregnated. **Non-inductive.**

Capacities up to .02 mfd. have working voltage of 1500 volts D. C. Capacities from .05 to .1 mfd. have working voltage of 1000 volts D. C. Designed specially for use in high frequency circuits.

XD2945	.005 Mfd.	Your Cost Each	<b>27¢</b>
XD2946	.002 Mfd.	Your Cost Each	<b>27¢</b>
XD2947	.01 Mfd.	Your Cost Each	<b>42¢</b>
XD2948	.05 Mfd.	Your Cost Each	<b>48¢</b>
XD2949	.1 Mfd.	Your Cost Each	<b>54¢</b>

**By-Pass Condensers**



Stock No.	Cap. Mfd.	Size, In. L W T	Your Cost
XD2619	0.1	1 1/2 x 1 x 1	\$0.30
XD2620	0.25	1 1/2 x 1 x 1	.36
XD2621	0.5	1 1/2 x 1 x 1	.45
XD2622	1.0	2 1/2 x 1 x 1	.60
XD2623	1-1	1 1/2 x 1 x 1	.39
XD2624	.25-.25	2 1/2 x 1 x 1	.48
XD2625	.5-.5	2 1/2 x 1 x 1	.60
XD2626	1-1-1	2 1/2 x 1 x 1	.51

**Low Voltage Tubular Dry Electrolytics**



Special designed 200-volt condensers for use in A. C. - D. C. sets. Compact in size. Free straps supplied (as per illustration) to couple and mount any combination of condensers. With a small assortment you are equipped to service any set employing low voltage filter units.

Stock No.	Cap. Mfd.	Size, In. L W T	Your Cost
XD3224	2	1 1/2 x 2 1/2	\$0.36
XD3225	4	1 1/2 x 2 1/2	.42
XD3226	8	1 1/2 x 2 1/2	.54

**GUARANTEE**  
All Sprague Condensers are fully guaranteed under the standard RMA 90-day warranty against defects.

**CAPACITY INDICATOR**

**"It Chirps on Overloads"**

The new patented Sprague Surge Arrestor built into this new Capacity Indicator chirps when voltages over 475 volts are applied. Indicator checks capacities from .00025 to 16 mfd., in two ranges; from .00025 to .5 and from 1 to 16 mfd. Capacities selected by means of two rotary switches of the self-cleaning wiping contact type. Entire unit housed in fine bakelite case 7 1/2 x 4 1/2 x 3 1/2. Terminals marked for easy connections. Complete with test leads and instructions.



Shpg. wt. 7 lbs. **\$8.90**  
Your Cost...

**SPRACO 450 Volt Condensers with "Extra Safety Factor"**

These condensers have a special filler which makes it possible to get higher capacity in smaller space. Have extra safety factor voltage rating, low power factor, extremely low leakage, and are absolutely impervious to moisture. Extremely small size allows them to be mounted anywhere. They are light weight, and self-supporting. Provided with insulated leads, push-back wire.

Stock No.	Cap. Mfd.	Dimensions L. Diam.	List Price	Your Cost Each
XD2916	1	2 1/2 x 1 1/2	\$0.55	\$0.33
XD2917	2	2 1/2 x 1 1/2	.65	.39
XD2918	4	2 1/2 x 1 1/2	.75	.45
XD2919	6	2 1/2 x 1 1/2	.90	.54
XD2920	8	2 1/2 x 1 1/2	.95	.57
XD2921	4-4	2 1/2 x 1 1/2	1.20	.72
XD2922	8-8	2 1/2 x 1 1/2	1.50	.90

# SOLAR Condensers QUALITY ABOVE ALL!

## "Red Star" Low Voltage Electrolytics

For all low voltage filter repairs. These units are smaller, more convenient, more economical, and highly efficient. Take less space than the average midget condenser. All accurately rated. Have long insulated wire leads for connections. Rated working voltage 200 volts D. C.; peak voltage 220 volts D. C.



Stock No.	Cap'y Mfd.	Dimensions L. W. D.	Your Cost Each
XD2874	4 2	1 1 1	\$0.39
XD2875	6 2	1 1 1	.45
XD2876	8 2	1 1 1	.48
XD2877	10 2	1 1 1	.54
XD2878	12 2	1 1 1	.57
XD2879	16 2	1 1 1	.63
XD2880	20 2	1 1 1	.72
XD2881	25 2	1 1 1	.75

## "White Star" High Voltage Electrolytics 500 Volts Peak

A new line of compact high voltage filter condensers, about half the "standard" size. Built to the highest standards of quality, these units are accurately designed and conservatively rated. Each unit contained in a cardboard container completely filled with wax, and hermetically sealed. Impervious to moisture. Low power and leakage factor insure efficient filtering. All have working voltage of 450 volts D. C.; peak voltage 500 volts D. C.



Stock No.	Cap'y Mfd.	Dimensions L. W. D.	Your Cost Each
XD2848	1 2	1 1 1	\$0.33
XD2849	2 2	1 1 1	.39
XD2870	4 2	1 1 1	.45
XD2871	8 2	1 1 1	.57
XD2872	4-4 2	1 1 1	.72
XD2873	8-8 2	1 1 1	.90

## Cardboard Type Dry Electrolytics 500 Volts Peak

A standard line of high voltage filter condensers, in rectangular cardboard cartons. Each unit is wax filled, permanently sealed, hard and firm. Unaffected by even extreme conditions of humidity. Capacity remains constant over a wide range of frequencies, resulting in highly efficient filtering. Can be mounted in any position. Have solder lug terminals. Working voltage 450 volts D. C.; peak 500 volts D. C.



Stock No.	Cap'y Mfd.	Dimensions L. W. D.	Your Cost Each
XD2843	2 2	1 1 1	\$0.39
XD2844	4 4	1 1 1	.45
XD2845	8 4	1 1 1	.57
XD2846	4-4 4	1 1 1	.72
XD2847	8-8 4	1 1 1	.90

## Round Inverted Can Dry Electrolytics with Insulated Leads 500 Volts Peak

Insulated, round inverted metal cans, with base which fits any single mounting hole designed for studs. Single units have two leads, dual units supplied with four leads. Can is insulated. Leads color coded for easy identification. Working voltage 450 volts D. C.; peak voltage 500 volts D. C.



Stock No.	Cap'y Mfd.	Dimensions L. D.	Your Cost Each
XD2839	4 4	1 1	\$0.51
XD2840	8 4	1 1	.63
XD2841	4-4 4	1 1	.78
XD2842	8-8 4	1 1	.96

## ★ Star Emergency Kits White Star Kit

A convenient selection of capacities which can be used singly or in multiple to secure practically any required capacity. Contains 10 units: two each of 1, 2, 4, 6 and 8 mfd. Units described above. Shpg. wt. 2 lbs.

XD2837—Your Cost, Complete Kit..... \$4.56



## Red Star Kit

Contains 15 "Red Star" midget condensers as described above. All have 220 volt peak. Contains 4-4 mfd.; 1-6 mfd.; 4-8 mfd.; 1-10 mfd.; 1-12 mfd.; 2-16 mfd.; 1-20 mfd.; 1-25 mfd. Shpg. wt. 2 lbs.

XD2838—Your Cost, Complete Kit..... \$7.77

## SOLAR Mica Condensers



Stock No.	Cap'y	Your Cost
XD3450	.0000	\$0.10
XD3452	.0001	.09

Stock No.	Capacity	Your Cost
XD3454	.0002	9¢
XD3455	.00025	
XD3458	.0005	18¢
XD3463	.001	
XD3465	.002	.16
XD3467	.003	
XD3468	.004	.22
XD3469	.005	
XD3470	.006	.37
XD3474	.01	

## Postage Stamp Condensers



Stock No.	Leads	Stock No.	Lugs	Cap'y	Your Cost	
XD3403		XD3429		.00005	9¢	
XD3405		XD3431		.0001		
XD3407		XD3433		.0002		
XD3408		XD3434		.00025		
XD3409		XD3435		.0003		
XD3410		XD3436		.0004		
XD3411		XD3437		.0005		
XD3416		XD3442		.001		.10
XD3418		XD3444		.002		.12
XD3419		XD3445		.0025		.15

## Amplex Capacity Indicator



A practical yet inexpensive test instrument which checks capacities from .0001 to 12 Microfarads in two separate ranges. By-pass condensers from .0001 to 1 Mfd. are checked on one range; filter condensers from 2 to 12 Mfd. are checked on the other range. Two bi-polar switches of the positive contact, self-cleaning type are used to select the desired ranges. 600

volt peak condensers used throughout assure a lasting unit. Instrument serves three purposes: it checks open condensers; it indicates shorted condensers; it indicates the proper sized condenser to be used in any circuit for proper performance. All scales are etched on front panel in white. Two analyzer type pointer knobs are used to select switch ranges. Tip jacks, marked for easy identification, are mounted on front panel. Comes complete with full instructions and a pair of test leads. Entire assembly is housed in a fine black bakelite case measuring 7" long, 4 1/2" wide and 1 1/2" deep. Compact enough to slip into your coat pocket. Shipping weight 5 lbs. **\$7.50**

## SPARTON By-Pass Condenser Models 9A, 410 and 420



An exact duplicate replacement for the original Sparton Part No. A6456. Contains four sections, 3 mfd. each. Guaranteed

to be equal to if not superior to the original. Shpg. wt. 8 oz. **24¢**

## RCA By-Pass Condensers



Midget units, in metal cases, provided with ribbon leads. May be used in any receiver as oscillator grid condensers, padders, etc. Part No. 2269 is used in RCA Models 21, 22, 60, 62, 64, 28, 28P, 37, 38, RE40P, 120, 330 and 331. Part No. 2734 is used in Models 80, 82, 86, R7, 8, 9, 10, 11, RE18, RAE26, RAE68, R21, 74, 76, 77, 110, 111, 115, 210 and 310. **18¢**

## EVEREADY 50 By-Pass

Exact duplicate of the original Eveready Part No. 2822. Contains three .5 mfd. 400 volt condensers. Can negative. Can be used as a general replacement part. Shpg. wt. 1 lb. **75¢**



## TOBE Condenser Analyzer



Tests paper, mica, and oil dielectric condensers by the method of measuring the D. C. resistance under an applied voltage. The resultant minute leakage current is indicated by means of a

special Neon Glow Tube Indicator. Three simply operated controls adjust the circuit for the allowable electrical characteristics of the condenser under test. Checks opens, shorts, leakages, and intermittent condensers. Unit contains built-in power supply for operation on 110 volts, 60 cycles A. C. Voltages up to 700 volts D. C. available at terminals. An '01A tube is used for the rectifier. In heavy metal case 3 1/2" x 1 1/2" x 7 1/2". Case is finished in durable black lacquer for protection against rust. All switches, binding posts, etc., are clearly labeled on the etched front panel. Shpg. wt. 8 lbs. **\$11.40**

# MALLORY

## ELKON

### ABSOLUTELY DRY ELECTROLYTIC CONDENSERS



#### Cardboard Container Single and Dual Sections

The cardboard box type of dry electrolytic condenser offers the maximum dielectric capacity combined with minimum size and weight. It is also the most economical in cost and it is easily and readily changed in position of mounting. Ideal for use in the brown paper enclosure by simply slipping in to the cardboard box. D.C. Working Voltage: 450; Maximum Surge Voltage: 500. Ckt. 1 lb. Shpg. wt. 1 lb.

Stock No.	Cap. Mfd.	Dimension	Thickness	Your Cost
XD2775	2	1 1/2"	1/4"	\$0.39
XD2776	4	1 1/2"	1/4"	.45
XD2777	6	1 1/2"	1/4"	.54
XD2778	8	1 1/2"	1/4"	.57
XD2779	4-4	1 1/2"	1/4"	.72
XD2780	4-4	1 1/2"	1/4"	.81
XD2782	6-8	1 1/2"	1/4"	.87
XD2783	8-8	1 1/2"	1/4"	.90

#### Tubular Cartridge Dry Electrolytic

Tubular dry electrolytic condenser is made by special metal case in hybrid construction of an aluminum case with an aluminum foil and electrolytic foil. Available in 1/2" and 1" diameter. D.C. Working Voltage: 450. Shpg. wt. 1 lb.



Stock No.	Cap. Mfd.	D.C. Work. Voltage	Dimension	Your Cost
XD2786	2	450	1 1/2"	\$0.33
XD2787	2.0	450	1 1/2"	.39
XD2784	4.0	450	1 1/2"	.45
XD2788	5.0	450	1 1/2"	.51
XD2797	5.0	450	1 1/2"	.90
XD2789	10.0	450	1 1/2"	.39
XD2790	2.0	450	1 1/2"	.30
XD2791	10.0	450	1 1/2"	.30
XD2792	10.0	450	1 1/2"	.42
XD2793	2.0	450	1 1/2"	.57

#### Single, Dual & Multiple Sections Upright Metal Can Type



#### Upright Metal Can Type

Furnished in round aluminum cans with solder lug terminals. All negative terminals are grounded to the container. Can be mounted in any position. Working Voltage: 450 V. D.C.; Peak: 500 V. All sizes high. Average shpg. wt. 2 lb.



Stock No.	Cap's Mfd.	Diagn. In.	Your Cost Each
XD3031	2	1 1/2"	\$0.45
XD2750	4	1 1/2"	.51
XD2752	4	1 1/2"	.63
XD2753	10	1 1/2"	.75
XD2754	12	1 1/2"	.84

#### Dual and Multiple Units

Stock No.	Cap's Mfd.	Diagn. In.	Your Cost Each
XD2799	5-12	2 1/2"	1.38
XD3032	4	1 1/2"	.78
XD3033	4-4	1 1/2"	.96
XD2755	8-8-8	1 1/2"	1.62
XD3034	4-4	1 1/2"	1.14
XD2795	8-10	2 1/2"	1.92
XD2756	8-12	2 1/2"	2.25
XD2757	8-8-8-8	2 1/2"	2.16
XD2759	9-9-12-12	2 1/2"	3.15

#### Inverted Can Type

Similar to the above, but for stud mounting. Provided with lock washer and nut. Can negative. All sizes high.

Stock No.	Cap's Mfd.	Your Cost	Stock No.	Cap's Mfd.	Your Cost
XD2736	2	\$0.51	XD2740	12	\$0.84
XD2737	4	.60	XD2741	4-4	.78
XD2738	6	.63	XD2742	8-8	.87
XD2739	8	.75	XD2743	6-6	.90

#### Rectangular Metal Can Type Single and Dual Sections

These single and dual section electrolytic condensers are housed in rectangular metal cans with mounting flanges. The ease and rapidity with which they can be installed makes them preferred by servicemen. Have solder lug terminals, all sections insulated from the can. Working Voltage: 450 volts D.C.; Peak: 500 volts. All variations 4 1/2" high. Terminals marked for ease of identification. Shpg. wt. 3 lb.



Stock No.	Cap's Mfd.	Dimensions	Width	Thickness	Your Cost
XD2882	4	1 1/2"	1 1/2"	1/4"	\$0.51
XD2883	8	1 1/2"	1 1/2"	1/4"	.63
XD2884	4-4	1 1/2"	1 1/2"	1/4"	.87
XD2761	4-8	1 1/2"	1 1/2"	1/4"	.99
XD2763	4-4-4	2 1/2"	1 1/2"	1/4"	1.29
XD2765	8-8-8	2 1/2"	1 1/2"	1/4"	1.62

#### Cardboard By-pass

The cardboard By-pass type is provided the serviceman with a dry electrolytic condenser easier in use than the paper condenser originally used. High capacity units ideally suited for by-passing cathode circuits. Size 2 1/4" x 1 1/2" x 1 1/2". Shpg. wt. 3 lb.



Stock No.	Cap's Mfd.	D.C. Work. Voltage	Your Cost
XD2766	.5	450	\$0.30
XD2767	.50	450	.33
XD2781	.75	450	.33
XD2768	1.0	450	.33
XD2769	2.0	450	.39
XD2770	4.0	450	.39
XD2771	10.0	450	.42
XD2772	25.0	450	.48
XD2773	10.0	450	.30
XD2774	25.0	450	.39
XD2798	50.0	450	.57

#### IRC Vacuum Relay Protected Volt-Ohmmeter

An extremely accurate Volt-Ohmmeter featuring a vacuum relay which prevents burn out due to arcing contacts. Relay automatically opens circuit when meter is overloaded, and immediately closes when overload is removed. Unlike a fuse, it does not require replacement. Two Working Ranges: 0-1 mill, ranges with ranges of 45-350, 450, 450, 10,000 and 500 ohms with well balanced battery (6-cells with internal battery). Battery selector switch is used to govern range. Case is of rugged metal, 7" long, 4 1/2" deep and 4 1/2" wide. IRC provides 17 resistors used throughout. 1 resistor with built-in 4 1/2" x 1 1/2" x 1 1/2" size. Shpg. wt. 3 lbs. List \$42.50



**XJ10455 - Your Cost... \$24.99**

#### NEW! IRC Fused Dual Resistor Indicator

A resistor indicator having 4 ranges covering from 100 to 100,000 ohms. Two main ranges: low scale from 100 to 10,000 ohms, 100 scale from 100,000 to 10,000,000 ohms. Working principle based on electrical conductivity and measurement formulae by a 4-range scale on the indicator. Compact in design, at a constant work pressure, a 1/2" diameter indicator is used for shipping container. 17 resistors used throughout. Case is of rugged metal, 7" long, 4 1/2" deep and 4 1/2" wide. Shpg. wt. 3 lbs. List \$4.50

**XE5295 - Your Cost... \$2.70**

#### IRC Metallized Resistor Kits



**Certified Kit No. 1**  
The original IRC Kit that proved so popular with Service Men. Contains twenty 1 watt Metallized Value resistors ranging from 200 ohms to 2 megohms. The certified seal assures factory guarantee and industry tested units. Shpg. wt. 2 lbs.  
**XE5272 - List \$4.00 Your Cost... \$2.40**

**Certified Kit No. 2**  
Contains an assortment of twenty type F-2 Ten Watt Resistors. Made for Service Men requiring units of higher wattage. Value range from 200 ohms to 1 megohm. Factory sealed, factory tested and factory guaranteed. Shpg. wt. 3 lbs.  
**XE5273 - List \$6.00 Your Cost \$3.60**

**Certified Kit No. 3**  
Modern resistors have brought into existence a new measure. Kit consists of the most popular resistors used by industry manufacturers. Kit contains 20 Type F-25 (1/2 watt) resistors from 50 ohms to 1 megohm. Shpg. wt. 3 lbs.  
**XE5268 - List \$4.00 Your Cost \$2.40**

#### NEW! Handy Grid-Bias Kit

18 assorted resistors of F-1, F-2 and F-3 Power Wire Wound (1000, 2000, 5000, 10,000, 20,000, 50,000, 100,000, 200,000, 500,000, 1,000,000, 2,000,000, 5,000,000, 10,000,000 ohms) 1/2" x 1 1/2" x 1 1/2" size. Shpg. wt. 2 lbs.  
**XE5274 - List \$2.00 Your Cost \$1.56**

# Be Safe Buy

# I R C

# Metallized Resistors

## IRC

### Power Wire Wound Resistors



Tolerance 5%

Power Wire Wound Resistors continue their leadership with these new high wattage units. They are small in size, conservatively rated (50° C.) and moderate in price. Machine-wound on non-hydroscopic cores. Have molded end connections. Select desired size from listing. Prices of various types given in columns below.

Ohms	Ohms	Ohms	Ohms
1	500	4000	15000
5	750	4500	20000
10	1000	5000	25000
25	1250	6000	30000
50	1500	7000	35000
75	2000	7200	40000
100	2250	7500	50000
150	2500	10000	60000
200	3000	12000	75000
250	3500	12500	100000
300			

#### Type "PB" 10-Watt Rating (Max.)

1 1/4" long by 3/16" diam. Range up to 25,000 ohms (see list).

XE5210—List \$0.35 **21¢**  
Your Cost Each

#### Type "PC" 20-Watt Rating (Max.)

2" long by 1/8" diam. Range up to 50,000 ohms (see list).

No.	From	To	Each
XE5211	1	9000	\$0.30
XE5212	10,000	50,000	.39

#### Type "PD" 30-Watt Rating (Max.)

3" long by 1/8" diam. Range up to 100,000 ohms (see list).

Stock No.	Range	Ohms	Cost
XE5213	1	4,500	\$0.39
XE5214	5,000	15,000	.45
XE5215	20,000	75,000	.51
XE5216	100,000		.60

## Precision Wire Wound Resistors



WW1 Guaranteed Accuracy 1%

WW1



Stock No.	Res. Ohms	Cur. M.A.	Your Cost	Stock No.	Res. Ohms	Cur. M.A.	Your Cost
XE5150	1	1,000		XE5148	15,000	8.15	
XE5151	2	707		XE5171	20,000	7.05	
XE5152	3	577		XE5149	22,500	6.64	
XE5153	4	500		XE5172	25,000	6.32	98¢
XE5154	5	448		XE5173	30,000	5.75	
XE5155	6	407		XE5174	35,000	5.35	
XE5156	7	377		XE5175	40,000	5.00	
XE5157	8	353		XE5176	50,000	4.47	
XE5158	9	333		XE5177	60,000	4.08	1.14
XE5159	10	316		XE5178	75,000	3.64	
XE5160	25	200		XE5179	80,000	3.53	1.30
XE5161	50	141	81¢	XE5180	100,000	3.16	
XE5162	100	100		XE5181	125,000	2.82	1.46
XE5163	150	81		XE5182	150,000	2.58	
XE5164	200	71		XE5183	175,000	2.46	1.63
XE5165	500	44.6		XE5184	200,000	2.23	
XE5166	1,000	31.6		XE5185	225,000	2.11	1.79
XE5143	1,500	25.7		XE5186	250,000	2.00	
XE5144	2,000	22.4		XE5187	275,000	1.90	1.95
XE5167	2,500	20.0		XE5188	300,000	1.83	
XE5145	3,000	18.2		XE5189	350,000	1.69	2.28
XE5168	5,000	14.1		XE5190	400,000	1.58	
XE5146	7,000	11.8		XE5191	450,000	1.49	2.60
XE5147	7,500	11.4	88¢	XE5192	500,000	1.41	
XE5169	10,000	10.0		XE5188	600,000	1.11	2.93
XE5170	12,500	8.7		XE5193	750,000	1.00	3.25
				XE5194	1 Meg.	1.00	
				XE5195	1 1/4 Meg.	.89	4.88

### WW3

Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
XE5125	200		XE5131	10,000	72¢	XE5137	35,000	91¢
XE5126	300		XE5132	12,500		XE5138	40,000	
XE5127	1,000	59¢	XE5133	15,000		XE5139	50,000	
XE5128	2,500		XE5134	20,000	81¢	XE5140	60,000	1.04
XE5129	5,000		XE5135	25,000		XE5141	75,000	
XE5130	7,500	.72	XE5136	30,000		XE5142	100,000	1.20

## IRC

# Metallized

### Replacement Resistors



We stock IRC metallized Type F-1 1/2 (1/2-watt), Type F-1 (1-watt), and Type F-2 (2-watt) in the following ohmages. Only the 1-watt resistors, however, are available in ohmages above 5 megohms. Select resistors wanted from this list, specify resistance value and quote stock number shown opposite each type below.

Ohms	Ohms	Ohms	Megohms
100	6000	50000	2
250	7000	75000	2 1/2
500	8000	100000	3
1000	9000	150000	3 1/2
1500	10000	250000	4
2000	12500	250000	5
2250	15000	300000	6
2500	17500	400000	7
3000	20000	Megohms	8
3500	25000		9
4000	30000		10
4500	40000		1 1/2

\*Available in 1-watt type only.

XE5250—Type F-1 1/2 (1/2 watt). 1 1/2" long. Pigtail type. List 20c **12¢**  
Your Cost Each

XE5251—Type F-1 (1 watt). 1 1/4" long. Pigtail type. List 20c **12¢**  
Your Cost Each

XE5252—Type F-2 (2 watt). 1 3/4" long. Pigtail type. List 30c **18¢**  
Your Cost Each

## Cement Coated Adjustable Resistors 100 Watt Size [Max.]



Combining all the adjustable features with the standard I.R.C. power wire-wound quality, these units are ideal for service and amateur radio requirements. By moving the metal contact band along the exposed track of resistance wire, practically any desired resistance up to the maximum value of the resistor may be obtained and proper voltages determined experimentally. May be used as bleeders across amateur power supplies, as grid leaks, or anywhere a quality resistor of these ratings is required. By use of more than one contact band, units can be used as multi-section voltage dividers. Come complete with one slider and mounting brackets. Size 6 1/2" x 1 1/4".

### 100-Watt Resistors (Max.)

Stock No.	Res. Ohms	Cur. M.A.	Your Cost	Stock No.	Res. Ohms	Cur. M.A.	Your Cost
XE5104	100	1,000		XE5114	7,500	115	\$1.20
XE5105	200	815		XE5115	10,000	100	1.35
XE5106	400	500	\$1.08	XE5116	15,000	80	1.41
XE5107	500	447		XE5117	20,000	70	
XE5108	750	365		XE5118	25,000	63	1.50
XE5109	1,000	315		XE5119	50,000	44	1.59
XE5110	1,500	250		XE5120	75,000	36	1.71
XE5111	2,000	220	1.14	XE5121	100,000	31	
XE5112	2,500	200		XE5122	125,000	28	1.77
XE5113	5,000	140		XE5123	150,000	25	
Extra Band Sliders.			Your Cost Each	\$0.12			

## Heavy Duty Transmitting Resistors 100 Watt Size [Max.]



These sturdy, high wattage resistors, designed for amateur transmitting, experimental, broadcasting and industrial use, meet the demand for units able to dissipate large amounts of power. Accurately wound on non-hygroscopic ceramic bases and protected by the new I.R.C. cement coating. All ratings based on NEMA standards. Units provided with solder lug terminals. Other features include: Low coefficient of expansion; high resistance to oxidation; rapid heat dissipation; permanent resistance value. Come complete with mounting brackets. Tolerance plus or minus 5%. Size 6 1/2" long, 1 1/4" diameter.

### 100-Watt Resistors (Max.)

Stock No.	Res. Ohms	Cur. M.A.	Your Cost	Stock No.	Res. Ohms	Cur. M.A.	Your Cost
XE5217	100	1,000		XE5228	5,000	140	\$0.78
XE5218	250	632		XE5229	7,500	115	
XE5219	400	500		XE5230	10,000	100	84¢
XE5220	500	447		XE5231	15,000	80	
XE5221	750	365	72¢	XE5232	20,000	70	90¢
XE5222	1,000	315		XE5233	25,000	63	
XE5223	1,250	280		XE5234	50,000	44	1.02
XE5224	1,500	220		XE5235	75,000	36	1.20
XE5225	2,000	200		XE5236	100,000	31	1.38
XE5226	2,500	200		XE5237	125,000	28	1.50
XE5227	4,000	155		XE5238	150,000	25	1.65

Replacement Headquarters for Dealers and Service Men

# Trutest

# Carbon Resistors

**Handy Resistance Kits**  
**With R.M.A. Color Coded Resistors**

These kits are just the thing for shop or tool kit. They consist of a selection of TRUTEST R. M. A. Color Coded Resistors, newly mounted on a pair of strips. Have hole at one end for hanging on a nail or hook. By ruffling them from our regular Trutest stock as they are used, you are equipped with a complete range of resistances at all times. R. M. A. COLOR CODE CHART SENT WITH EACH STRIP.



### 1/2-Watt Kits

#### Two Strips [20 Resistors to a kit]

**XE4435**—One each of the following resistances (20 in all): 200, 400, 500, 600, 700, 800, 1250, 1500, 2000, 2500, 3000, 3500, 4000, 5000, 6000, 7500, 8000, 10000, 12500 and 15000 ohms.

**XE4436**—One each of the following resistances (20 in all): 17500, 20000, 25000, 30000, 40000, 50000, 60000, 70000, 75000, 100000, 125000, 150000, 200000, 250000, 300000, 500000, 1 Meg., 1 1/2 Meg., 2 Meg., 2 1/2 Meg.

### 1-Watt Kits

#### Two Strips [20 Resistors to a kit]

**XE4430**—One each of the following resistances (20 in all): 200, 400, 500, 600, 800, 1000, 1500, 2000, 2500, 3000, 4000, 5000, 6000, 8000, 10000, 12500, 15000, 17500, 20000, 25000 ohms.

**XE4431**—One each of the following resistances (20 in all): 30000, 40000, 50000, 60000, 75000, 100000, 125000, 200000, 300000, 750000 ohms; 1, 1.5, 2, 3, 4, 5, 6, 7, 8 and 10 Meg.

### 2-Watt Kits

#### Two Strips [12 Resistors to a kit]

**XE4443**—One each of the following resistances (12 in all): 200, 500, 1000, 1500, 2000, 2500, 3000, 4000, 5000, 6000, 8000, 10000 ohms.

**XE4444**—One each of the following resistances (12 in all): 15000, 20000, 25000, 30000, 40000, 50000, 60000, 75000, 100000, 250000, 500000 ohms.

Any above kit, **Your Cost Each..... \$1.30**

**FREE** WITH EACH PURCHASE OF 3 OR MORE TRUTEST RESISTORS, A SERVICEABLE POCKET SIZE R.M.A. COLOR CODE CHART

**\$1.98**

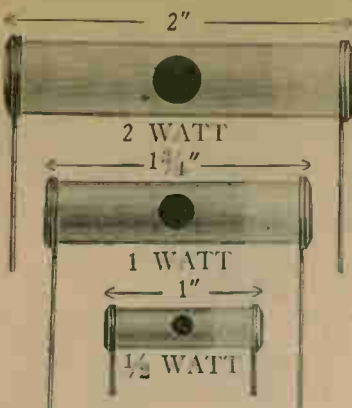
Net

R. M. A. Color Coded Resistors in Sturdy Metal Box with Hinged Cover

Free! Color Code Chart



## GENERAL REPLACEMENT RESISTORS



Represent years of research to develop a resistor that is absolutely moisture proof and will stay permanent regardless of atmospheric conditions. That is why Trutest Resistors are best.

**TRUTEST RESISTORS** are R. M. A. Color Coded for easy identification and are made of the finest material and workmanship. **Guaranteed accuracy, 10% plus or minus.** The average are within 5%. Resistance values read approximately the same at any normal voltage—most important for resistance service work. No moisture can possibly penetrate, so they cannot change the resistance value. Good mechanical strength eliminates any chance of accidental breakage.

**PRECISION MANUFACTURING**—Fully calibrated resistance material is moulded in a solid form and fired at a high temperature so that no ordinary service or overload temperature can damage the resistor. Timed wire leads are forced onto the caps under great pressure to insure a perfect, noiseless connection.

Resistance Ohms	1/2-Watt Stock No.	1-Watt Stock No.	2-Watt Stock No.	Resistance Ohms	1/2-Watt Stock No.	1-Watt Stock No.	2-Watt Stock No.
200	XE4250	XE4300		20000	XE4273	XE4323	XE4473
400	XE4245	XE4348	XE4450	25000	XE4274	XE4324	XE4474
500	XE4251	XE4301	XE4451	30000	XE4275	XE4325	XE4475
600	XE4252	XE4302	XE4452	40000	XE4276	XE4326	XE4476
	XE4253	XE4303	XE4453	60000	XE4277	XE4327	XE4477
700	XE4254	XE4304	XE4454	70000	XE4278	XE4328	XE4478
800	XE4255	XE4305	XE4455	75000	XE4279	XE4329	XE4479
1000	XE4256	XE4306	XE4456	100000	XE4280	XE4330	XE4480
1250	XE4257	XE4307	XE4457	125000	XE4281	XE4331	XE4481
1500	XE4258	XE4308	XE4458		XE4282	XE4332	XE4482
2000	XE4259	XE4309	XE4459	150000	XE4283	XE4333	XE4483
2500	XE4260	XE4310	XE4460	200000	XE4284	XE4334	XE4484
3000	XE4261	XE4311	XE4461	250000	XE4285	XE4335	XE4485
3500	XE4262	XE4312	XE4462	300000	XE4286	XE4336	XE4486
4000	XE4263	XE4313	XE4463	400000	XE4287	XE4337	XE4487
				500000	XE4287	XE4337	XE4487
5000	XE4264	XE4314	XE4464	Megohms			
6000	XE4265	XE4315	XE4465	1	XE4288	XE4338	
7000	XE4266	XE4316	XE4466	1.5	XE4288	XE4351	
7500	XE4267	XE4317	XE4467	2	XE4289	XE4339	
8000	XE4268	XE4318	XE4468	2.5	XE4289	XE4352	
				3	XE4290	XE4340	
				4	XE4291	XE4341	
9000	XE4266	XE4349		5	XE4292	XE4342	
10000	XE4269	XE4319	XE4469	6	XE4293	XE4343	
12000	XE4270	XE4320	XE4470	7	XE4294	XE4344	
15000	XE4271	XE4321	XE4471	8	XE4295	XE4345	
17000	XE4272	XE4322	XE4472	9	XE4296	XE4346	
				10	XE4297	XE4347	

1/2-Watt, 1-Watt  
**Your Cost Each..... 7¢**  
 Per Dozen 75c Per Hundred \$5.90

2-Watt  
**Your Cost Each..... 12¢**  
 Per Dozen \$1.25 50 For \$5.25

## Trutest Carbon Resistor Kits

For the Serviceman's Tool Kit or Workbench

**Twenty-five Certified Trutest R. M. A. color coded 1-watt resistors** in a neat and durable finished metal case measuring 4 1/2" x 2 1/2" x 1 1/2" deep. The layout arrangement ever devised for the serviceman. Over a thousand ranges possible by different combinations of these units. Kit contains one each of the following high grade resistors:

Ohms	Ohms	Ohms	Ohms	Ohms
200	1500	10000	50000	100000
400	2000	15000	100000	250000
500	3000	25000	150000	500000
700	4000	20000	250000	1 Meg.
800	6000	25000	500000	2 Meg.

**XE4432**—Shipping weight 2 1/2 lbs. **Your Cost per Kit..... \$1.98**

**Forty-eight Certified Trutest R. M. A. color coded resistors** of the most popular sizes in a substantial metal case. Size 10" x 4 1/2" x 2 1/2" deep. Contains one each of the following high grade resistors:

Ohms	Ohms	Ohms	Ohms
1-200	1-2000	1-25000	1-125000
2-400	2-4000	2-25000	1-250000
2-500	2-3000	1-50000	2-50000
1-600	1-5000	1-100000	1-750000
1-800	1-8000	2-50000	2-1 Meg.
2-1000	2-10000	1-100000	1-1 1/2 Meg.
1-1500	1-12500	1-75000	2-2 Meg.
2-2000	1-17500	1-100000	1-3 Meg.
1-2500	1-15000		

**XE4433**—Shipping weight 2 1/2 lbs. **Your Cost per Kit..... \$3.48**

# Trutest Vitreous Enamel RESISTORS

## Trutest VITREOUS-ENAMELED FIXED RESISTORS



All resistances are guaranteed to be within plus or minus 10% of their rated value, most are within 5%.

1 1/4" Insulatite Tube 10-Watt Rating				1/2"x2" Insulatite Tube, 20-Watt Rating				Your Cost	
Stock No.	Milli- Ohms	amps.	Volts	Stock No.	Milli- Ohms	amps.	Volts		
E4850	1 3150	3		XE4910	25	895	22	19°	
E4851	2 2200	4.5		XE4911	50	633	32		
E4854	5 1400	7		XE4912	75	517	38		
XE4856	10 1000	10		XE4913	100	447	44		
XE4858	15 800	12		XE4915	200	316	63		
XE4859	20 700	14		XE4916	250	282	70		
XE4860	25 630	16		XE4917	300	258	77		
XE4861	30 570	17		XE4919	400	221	90		
XE4862	40 500	20		XE4920	500	200	100		
XE4863	50 450	22		XE4923	750	163	122		
XE4864	100 315	31		XE4925	850	153	130		
XE4866	150 260	39		XE4926	1000	141	141		
8	200 220	45		XE4929	1250	126	157		
	250 200	50		XE4930	1500	115	173		23°
	400 158	63		XE4933	2000	100	200		
	500 141	70		XE4934	2250	94	211		
XE4875	750 115	85		XE4935	2400	91	218		
XE4876	1000 100	100		XE4936	2500	89	222		
XE4878	1500 81	122		XE4938	3000	81	240		
XE4879	2000 70	141		XE4940	4000	71	284		
XE4880	2500 63	158		XE4942	5000	63	315		
XE4881	3000 56	173		XE4943	6000	57	342		
XE4883	5000 45	222		XE4946	8000	50	400	29°	
XE4886	10000 31	316		XE4947	10000	44	440		
XE4888	15000 26	388		XE4948	12500	40	500		
XE4889	20000 22	440		XE4949	15000	37	550		
XE4890	25000 20	500		XE4950	25000	28	700	32°	
				XE4951	35000	24	850		

10-15-20-25-30-40-50-75-100-150-200-250-300-400-500-750-1000-1500-2000-2500-3000-4000-5000

3/4"x4" Insulatite Tube 50-Watt Rating				Your Cost			
Stock No.	Milli- Ohms	amps.	Volts	Stock No.	Milli- Ohms	amps.	Volts
XE4955	10 2230	22		XE4973	7500	81	610
XE4956	20 1581	36		XE4976	10000	70	700
XE4958	100 707	70		XE4978	12500	63	790
XE4959	250 447	111		XE4979	15000	57	850
XE4960	500 316	157		XE4981	20000	50	1000
XE4962	750 258	192		XE4982	25000	44	1100
XE4963	1000 223	200		XE4983	30000	41	1200
XE4964	1500 182	275		XE4984	40000	35	1400
XE4965	2000 158	315		XE4985	50000	31	1550
XE4969	4000 111	450		XE4986	60000	29	1750
XE4970	5000 100	500		XE4987	75000	26	1950
XE4971	6000 91	540		XE4988	100000	22	2200

## Trutest VITREOUS ENAMELED SEMI-VARIABLE RESISTORS



All provided with one sliding contact. Special contact button shorts out very little resistance. Accuracy within 1%.

25 Watts (2" Long x 1/2" o. d.)					50 Watts (4" Long x 1/2" o. d.)				
Stock No.	Resist. Ohms	Max. Current	List Price	Your Cost	Stock No.	Resist. Ohms	Max. Current	List Price	Your Cost
XX20740	1 5000	80	\$.85		XX20770	100	700	\$1.30	
XX20741	2 3500	85			XX20771	200	500	1.30	
XX20742	3 2800	85			XX20772	300	406	1.30	
XX20743	5 2225	85			XX20773	400	353	1.30	
XX20744	10 1500	85			XX20774	500	316	1.30	
XX20745	20 1100	85			XX20775	800	252	1.30	
XX20746	50 700	85			XX20776	1000	224	1.30	58°
XX20747	100 500	85			XX20777	1500	182	1.30	
XX20748	200 353	85			XX20778	2000	158	1.30	58°
XX20750	500 224	85			XX20779	2500	141	1.30	
XX20751	750 182	85			XX20780	3000	129	1.30	65°
XX20752	800 177	85			XX20781	4000	112	1.30	
XX20753	1000 158	85			XX20782	5000	100	1.30	65°
XX20754	1500 129	85			XX20783	6000	91	1.45	
XX20755	2000 112	85			XX20784	7000	84	1.45	70°
XX20757	2500 100	85			XX20785	8000	79	1.45	
XX20759	4000 79	85			XX20786	9000	74	1.60	70°
XX20760	5000 71	85			XX20787	10000	71	1.60	
XX20761	6000 64	85			XX20788	12000	65	1.60	85°
XX20762	7000 60	85			XX20789	15000	58	1.75	
XX20763	8000 56	85			XX20790	20000	50	1.80	85°
XX20765	10000 50	85			XX20791	25000	45	1.80	
XX20795	15000 41	85			XX20792	30000	41	1.85	95°
XX20796	20000 35	85			XX20793	40000	35	1.90	
XX20797	25000 32	85			XX20794	50000	32	1.95	1.05

6" Long x 1/2" O. D.—75 Watts				
Stock No.	Resist. Ohms	Max. Current	List Price	Your Cost
XX20800	100	865	\$1.75	
XX20801	200	610	1.75	
XX20802	300	600	1.75	80°
XX20803	400	432	1.75	
XX20804	500	387	1.75	
XX20805	750	316	1.75	85°
XX20806	1000	274	1.75	
XX20807	1500	224	1.75	
XX20808	2000	194	1.75	85°
XX20809	2500	173	1.75	
XX20810	3000	158	1.75	
XX20811	4000	137	1.75	

Stock Resist. Max. List Your Res. Ohms Current Price Cost in M. A. in M. A.

XX20812 5000 122 1.75  
 XX20813 6000 112 1.75  
 XX20814 7000 103 1.85  
 XX20815 7500 100 1.90  
 XX20816 10000 87 2.10  
 XX20817 15000 71 2.30  
 XX20818 20000 61 2.30  
 XX20819 25000 55 2.45  
 XX20820 30000 50 2.50  
 XX20821 40000 43 2.55  
 XX20822 50000 39 2.60  
 XX20823 100000 27 2.75 1.45

Extra sliders to fit any of the above resistors.  
 XX20825 Your Cost Each 5°

## Trutest 5 Watt Pigtail Resistors—Tolerance Within 2%



These Trutest resistors are wound with genuine nichrome wire on fine porcelain tubes. Guaranteed accuracy within 2%. Pigtail connections are solidly anchored. Will stand considerable overload without burning out.

Stock No.	Res. Ohms	Stock No.	Res. Ohms	Stock No.	Res. Ohms	Stock No.	Res. Ohms
XE4390	5	XE4393	20	XE4396	75	XE4399	200
XE4391	10	XE4394	25	XE4397	100	XE4400	250
XE4392	15	XE4395	50	XE4398	150	XE4401	400

Your Cost Each Any Size

20°

## Trutest Ohm Indicator

Handy—Reliable

Range 0-100,000 Ohms

Servicemen can now determine quickly and accurately the resistance value of any defective resistor, without the use of elaborate measuring instruments. The Trutest Ohm Indicator is wire wound on a vitreous enameled Insulatite tube. It is calibrated from zero to 100,000 ohms, and is mounted securely on a base equipped with test clips and test prods. The test clips fasten on the ends of the defective resistor, while the test prod is run up the scale until the set plays best. Indicator may be mounted on the bench or carried in the kit. It is an extremely well made instrument, and will stand rough usage without breaking down or causing trouble. Shpg. wt. 2 lbs.  
 XE4997—Trutest Ohm Indicator  
 Your Cost Each **\$1.45**



## Trutest Universal Vitreous Enameled Voltage Dividers

Can be used in 90% of Receivers

Wound with the finest kind of resistance wire on porcelain tubes coated with vitreous enamel except for a narrow strip along the side where the sliders make contact. Come complete with easily attached mounting brackets. Shpg. wt. 1 lb.

Equipped with 4 Variable Taps 50 watts—1 1/2" long			Equipped with 5 Variable Taps 75 watts—1 1/2" long		
Stock No.	Resist.	List Price	Stock No.	Resist.	List Price
XX20728	13000 ohms	<b>\$1.07</b>	XX20732	25000 ohms	\$1.29
XX20729	15000 ohms		XX20733	36000 ohms	<b>\$1.35</b>
XX20730	18000 ohms		XX20734	41000 ohms	
XX20731	25000 ohms		XX20735	45000 ohms	

# VOLTAGE DIVIDERS



In the listing below, only the most popular voltage dividers are shown. We can supply any divider not listed at the very lowest prices. Write giving name and model number of set, and we will quote immediately.

Name and Model	Resistance	Stock No.	Your Cost	Name and Model	Resistance	Stock No.	Your Cost
<b>ALL AM. MOHAWK</b>				<b>CROSLLEY</b>			
A, B, C, D, E, F, G, H	2000-2000-1000-300-900	XX20402	50.90	704AC	3175-1525	XX20485	\$0.48
C-6	3000-2000-2500-900	XX20463	.90	77, 77-1, 120	1750-2000-225-320	XX20486	.90
Lyric K.	908-150-650-10-270-2000-1700	XX20404	.90	<b>DAYFAN</b>			
<b>APEX</b>				6 Jr. 5524, 5525			
10	500-1000-1800-600-425	XX20407	.83	2000-3000-1300		XX20488	.70
26	1000-2640	XX20409	.65	5050 Power Unit	1400-3500-5800-7000-180-650	XX20489	1.15
26-P	610-360-2640	XX20410	.80	5080 Power Unit	1100-100-2000-3300-950	XX20490	1.10
27	4700-8400-10700	XX20411	.73	<b>EARL</b>			
48	700-2200-70	XX20413	.75	31, 31S, 32, 32S, 41, 33, 33S			
<b>ARGUS</b>				4000-0-750			
B-195	4000-0-460-700-65-0-280	XX20415	1.75	<b>EDISON</b>			
<b>BALKEIT</b>				R-1, R-2, C-2			
F	4500-650	XX20423	.55	R-4, R-5, C-4	12500	XX20492	
<b>BOSCH</b>				R-1, R-2, C-2			
28	5000	XX20427	.55	All Models	750-750	XX20494	
29-825	10000-10000	XX20428	.85		8000	XX20495	
29-825	2000	XX20429	.24	<b>FADA</b>			
48	950-1450-2000	XX20431	.65	42, 44, 41, 46, 47			
49	1650-800-1950	XX20432	.65	800-300-100			
54DC	22 ohms	XX20435	.28	<b>FEDERAL</b>			
62, 63AC	1400-2600-250	XX20437	.70	D. E. F. G. Units			
<b>BRANDES (Kolster)</b>				H Unit			
B-10	5600-0-1800-110-1000	XX20439	.88		135-2000-300-350	XX20499	.95
B-11	1800-0-450-15-2500	XX20440	.88		3500-13000	XX20500	.80
B-15, B-16	2500-45-410	XX20441	.80	<b>FREED</b>			
<b>BREMER-TULLY</b>				78, 78S, 79, 79S, 90, 90S,			
6-10, 6-11	3000-560-6500-5000-1660	XX20442	.74	85, 65	4000-0-750	XX20491	.55
8-20, 8-21	4900-5500-3000	XX20443	.70	<b>FRESHMAN</b>			
<b>BRUNSWICK</b>				N-11, N-12			
B-17, PR-17-8	1690-205-2140-3750-410	XX20444	.20		2200-6600-3300-4500-1500	XX20508	.60
5-KR, 3-KR, 2-KR, etc	1600-1900-440	XX20445	.49	"G"	2100-3000-4300-1250-3000	XX20509	.65
3NC8, 5NC8	400-350-350-190 (Bias)	XX20446	.20	M60-S	10000-12500	XX20534	.75
3NC8, 5NC8	2250 (Plate Resistor)	XX20447	.20	H	9300	XX20535	.75
3KR8 (AP-736)	7230 ohms	XX20448	.92	H	20, 800	XX20536	.75
3, 8, 10, 11, 13	4920-900-700-90-40-120	XX20453	.90	<b>GENERAL MOTORS</b>			
<b>COLONIAL</b>				"A" Chassis, 120, 130, 140,			
28	8500-7000	XX20458	.70	160	1400-3500-5800-7000-180-650	XX20510	1.05
28	2200-4000-1000	XX20459	.70		800-59-1863-2000-465	XX20511	1.05
32AC	100-40	XX20461	.50		6900-7600-4800	XX20512	1.05
32AC	210-210	XX20462	.55	M. A. Little General 252	150-18000-14550	XX20527	.55
32DC	34.9 ohms	XX20466	.90	251 (S2A & S2B)	4800-7600-6900	XX20528	.95
32DC	1.43 ohms	XX20467	.24	<b>GRAYBAR</b>			
32DC	5.7 ohms	XX20468	.35	17	1690-205-2140-3750-410	XX20444	.20
86DC	1.83-17.6-68	XX20463	.95	500, 550	800-900-3600-110	XX20563	.89
<b>COLUMBIA RADIO</b>				(No. 1)			
Screen-Grid 8	7500-10000	XX20470	.70	500, 550	500-0-1460-540-0-80	XX20564	.50
<b>COLUMBIA (Kolster)</b>				(No. 2)			
C-1, C-3	3000-3000-220-60-840	XX20471	.75	311	1600-1900-410	XX20445	.49
C-2, C-4	900-120-90	XX20472	.60	340	400-350-350-190 (Bias)	XX20446	.20
C-5, 961 (205)	7200-60-90-700	XX20473	.70	340	2250 (Plate Resistor)	XX20447	.20
C-5 (310)	3400-3800-55-80-110-360	XX20474	.95	600	375-90 (Bias)	XX20513	.40
930-300	2000-140-500	XX20475	.49	600	4800 (Plate Resistor)	XX20514	.29
C-500	2000-135-500	XX20476	.45	678	3200-830-120-715	XX20639	.60
902, 930, 980	2100-120-430	XX20477	.70	<b>GREBE</b>			
920	1650-410	XX20478	.70	SK-1	677-2200-62	XX20515	.88
931	6000-2200-135-700	XX20479	.70	SK-4	7000-10000-1500	XX20516	.80
940	2500-45-110	XX20480	.85	AC-6	750-2800-5900	XX20517	.70
950	9000-3200-140-70-700	XX20481	.70	AC-6	6300-95-695	XX20518	.65
950	30000-20000	XX20482	.70	AC-7	20000-6000	XX20519	.80
980	6000-55-100	XX20483	.70	<b>GULBRANSEN</b>			
				AC-8			
				3100-9473-11250-150			
				<b>HAMMARLUND</b>			
				Hi-Q 30			
				800-2000-1400-3000-2000			
				Hi-Q 31			
				2400-2800-1850-3750-850			
				<b>HOWARD</b>			
				135AC			
				1600-12000			
				<b>KELLOGG</b>			
				523, 528			
				1000-3000-1500-1000-130			
				XX20537			
				1.69			

## ATWATER-KENT Filament Resistors

For Models 61 D. C. and 70 D. C.



Exactly duplicate the original units, both physically and electrically. Metal bases, resistance wire wound on asbestos. Duplicate of A-K. Part No. 16133—Filament Resistor No. 1. Has resistance of 680 ohms.

**XF6794—Your Cost Each** **29¢**  
Duplicate of A-K. Part No. 16132. Filament Resistor No. 2. Has resistance of 250-35 ohms.

**XF6793—Your Cost Each** **35¢**  
Duplicate of A-K. Part No. 16134. A. F. Filament Shunt Resistor. Resistance 300-300 ohms.

**XF6795—Your Cost Each** **35¢**  
Per Set of Three **95¢**

## Trutest Filament and C. T. Resistances



Trutest Filament Resistances

No Center Tap)

Wire wound filament resistances. Dependable construction; run true to rating. Resistance values of 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 25, 30, 40, 50 and 60 ohms.

When ordering state resistance wanted.

**XD3997—List 15¢** **7¢**  
**Your Cost Each**

Resistance values of 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000 and 1500 ohms.

**XD3998—List 25¢** **8¢**  
**Your Cost Each**

## Center Tap Resistances

Same as above, but tapped at the electrical center. Available in 10, 20, 30, 40, 50, 60, 100 and 200 ohms. When ordering state resistance wanted.

**XD3999—List 30¢** **10¢**  
**Your Cost Each**



# VOLTAGE DIVIDERS [Continued]

## KOLSTER

6J, 6K, 6R	3000-3000-220-900	XX20532	\$0.69
6H	500-500-940	XX20539	.64
K-20, 22, 23, 27	840-60-220-3000-3000	XX20540	.72
K-21, K-23	90-125-940	XX20524	.55
K-24	3400-3800-55-80-140-360	XX20541	.75
K-38	3600-55-75-700	XX20542	.70
K-42	840-140-2600	XX20543	.79
K-43	1600-1000-380	XX20544	.79
K-44, K-45	1450-650-200-350	XX20545	.75
K-48	1500-2000-100-2000	XX20546	.70
K-50	1525-2500-280-400	XX20547	.90
K-60, K-62	4000-1500-1600-200	XX20548	.88
K-70, K-72	3000-3000-2000-200	XX20549	.88
K-90, 92, 80, 82	6000-7000-3000-250	XX20533	.88

## MAJESTIC

20	4125-750-0-770-158	XX20550	.79
130-A	4875-5230-3340-7900-154	XX20552	.93

## PHILCO

20, 20-A	1400-187-75-0-2470-975	XX20553	.60
65	2000-700	XX20554	.58
76, 77, 77-A	800-250	XX20555	.60
76, 77, 77-A	2000-1500-1400	XX20556	.63
87	3785-157-0-640	XX20557	.72

## RCA—RADIOLA

17, 50	1690-205-2140-3750-410	XX20444	.24
18, 83, 51	1600-1900-440	XX20445	.24
30	4920 (Resistor No. 4)	XX20705	.38
30	620-3380 (Resistors Nos. 2 and 3)	XX20706	.65
30	2600-1400 (Resistor No. 1)	XX20707	.68
30-A	3000-2000-300-500-900	XX20559	.59
30-A	300 ohms	XX20826	.25
32	4920 (Resistors Nos. 2 and 3)	XX20705	.38
32	438-286-1590-1700	XX20708	.49
33 D. C.	166-118	XX20709	.59
33 D. C.	16-16-16	XX20710	.38
41 (Receptor)	12300-8000-5000	XX20560	.25
41 (Sterling)	17400-8600	XX20561	.25
41 (Sterling)	4200-380-1420	XX20562	.25
44	2800-900-3600-1100	XX20563	.89
44	500-0-1460-540-0-80	XX20564	.50
44, 47	2800-900-3600-1100	XX20563	.89
46, 47	1460-540-0-80	XX20565	.60
46, 47	195-165-110	XX20712	.59
44, 46 D. C.	2250-1925-1190	XX20713	.38
44, 46 D. C.	16-16-16	XX20710	.68
42 and 48	3200-830-120-715	XX20639	.60
60, 62	400-350-350-190 (Bias)	XX20446	.20
60, 62	2250 (Plate Resistor)	XX20447	.20
64	1280-4000-300-2200	XX20566	.89
64	1500-1000-250-130-160	XX20567	.75
64, 67	310-3850-310 (Bias)	XX20568	.80
66	375-90 (Bias)	XX20513	.40
66	4800 ohms (Plate)	XX20514	.29
66	2400-960-240-115-215-100	XX20569	.75
67	1435-3400-300-2200	XX20570	.75
104 Loudspeaker	620-3380 (Resistors Nos. 2 and 3)	XX20706	.24
104 Loudspeaker	2600-1400 (Resistor No. 1)	XX20707	.24
105 Loudspeaker	1325-65-140-1446 (No. 1)	XX20571	1.20
105 Loudspeaker	1050-1300-1325 (No. 2)	XX20572	1.20
105 Loudspeaker	4000 ohms (Nos. 3 and 4)	XX20573	1.05
Duo-Rectron Amplifier	1050-6000-2950-3000	XX20713	.95
Uni-Rectron Amplifier	650-100-275 (Resistor No. 1)	XX20714	.75
Uni-Rectron Amplifier	2450 (Resistor No. 3)	XX20715	.75

## SILVER-MARSHALL

651	3800-4200-740-990	XX20574	\$0.90
651	6200-1000	XX20575	1.25
658	10-300 ohms Divider	XX20577	.95
672, 669	3000-0-1250-1250	XX20579	.70

## SPARTON

AC-7, 62, 63	2200-70	XX20580	.50
110	20000-2000-7000	XX20581	.90
110 DeLuxe	990	XX20583	.25
Sparks Ensemble	3000	XX20584	.65

## SAMSON "PAM"

Pam Model 210	1540-19300	XX20587	.80
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## SONORA

B-30, B-31	800-1000-1200-4000	XX20595	.75
880	2500-5500-4500	XX20596	1.25

## SPLITDORF

"Abbey"	12500	XX20492	.29
"Abbey"	10000	XX20493	.29
"Abbey"	8000	XX20495	.29

## STEINITE

22	1700-4000-8000	XX20600	.78
25	8000-8000	XX20601	.65
40	3000-11740-4270-1190	XX20602	.90
50	8100-11750-5290-827	XX20603	.88
70, 80, 95	10000-10000-2440	XX20604	.95
891	1000-1000-250-0-250	XX20605	.68

## STROMBERG

10, 11	4000-100-780	XX20607	.70
10, 11	4760-3200-1900	XX20608	.80
12, 14	4000-4000-3025	XX20609	.90
12, 14	5000-100-1210-260	XX20610	.75
403-B	27-6	XX20611	.70
403-B	3000-2500	XX20612	.70
403-B	3000-70-700	XX20613	.70
635, 636	2500-3000-300-0-770	XX20614	.82
638	2500-6000-500	XX20615	.85
846, 848	6000-3200	XX20616	.70
846, 848	4350-1700-330	XX20617	.70
846, 848	725 ohms	XX20618	.40
403, 403-A	2500-3000-3000-70-700	XX20647	.82
641, 642, 652, 654	1450-4000-3000-1300	XX20619	.78
641, 642, 652, 654	7800-3200	XX20620	.75
641, 642, 652, 654	170	XX20621	.28
641, 642, 652, 654	7800-4500-3000-4000	XX20222	.90
Early 10, 11	4760-3200-5900-100-780	XX20623	.90
Early 10, 11	4760-3200	XX20624	.90
Early 10, 11	5900-100-780	XX20625	.70
Early 10, 11	1100-2000	XX20626	.70
Early 10, 11	3000-3000	XX20627	.70

## TEMPLE

D. C.	11-12	XX20628	.60
7-60, 7-80	8000-1600-8000-4000	XX20629	.75
8-60, 80-90	900-5200-750	XX20630	.60

## THORDARSON

R-171 Power Unit	2000-3000-3000-3000-2000	XX20631	.75
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## VICTOR

7-11, 7-25, 7-26	1690-205-2140-3750-410	XX20444	.49
9-18, 9-54	1280-4000-300-2200	XX20566	.89
9-18, 9-54	1500-1000-2-0-130-160	XX20567	.75
9-18, 9-54	310-3850-310 (Bias)	XX20568	.80
R-32, RE-45, R-52, RE-75	2000-1350-210-775-14, 15, 17	XX20632	.50
	3200-830-120-715	XX20639	.52

## WESTINGHOUSE ELECTRIC

WR-4	3200-830-120-715	XX20639	.60
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## ZENITH

ZE-10, ZE-12, ZE-13	6000-7800-8000-2500	XX20635	.75
ZE-15, ZE-16 Power Units	13000-11000-9500-1800	XX20636	.90
ZE-18 Power Unit	3200-1200-1200-1600	XX20637	.90
ZE-11 Power Unit			
ZE-50, ZE-60, ZE-70 Series	2800-2350-850	XX20638	.90
Power Units			

## 10 Watts—1 3/4" x 3/8"

Stock No.	Res. Ohms	Current M.A.	Stock No.	Res. Ohms	Current M.A.
XE5051	1	3,150	XE5065	1,000	100
XE5052	2	2,280	XE5066	1,500	81
XE5053	5	1,410	XE5067	1,750	75
XE5054	10	1,000	XE5068	2,000	70
XE5055	15	815	XE5069	2,500	63
XE5056	20	707	XE5070	3,000	57
XE5057	25	630	XE5071	4,000	50
XE5058	50	447	XE5072	5,000	44
XE5059	100	315	XE5073	7,500	36
XE5060	200	223	XE5074	10,000	31
XE5061	250	200	XE5075	15,000	25
XE5062	400	158	XE5076	20,000	22
XE5063	500	141	XE5077	25,000	20
XE5064	750	115			

Your Cost Each, Any Size.

21¢

## OHMITE WIRE WOUND "RED DEVIL" RESISTORS



The standard radio replacement resistors. They are the only units capable of withstanding the heat test in which a ten watt unit dissipates FIFTY watts. Red Devils are wire wound, over a porcelain core, and covered with a special high temperature refractory cement which protects the wire from injury even though a red heat is reached. All have lugs and 1 1/2" tinned leads.

Red Devils are made in two sizes—ten watt, from 1 ohm, through to 25,000 ohms, and twenty watt, from 30,000 through to 100,000 ohms. Ten watt dimensions are 1 3/4" x 3/8". Twenty watt dimensions are 2 1/4" x 3/8".

## 20 Watts—2" x 1 1/2"

These twenty watt units are stocked only in the sizes shown in the listing below. If special resistance values are desired we will be glad to submit prices and delivery dates upon request. When writing state permissible variation in %.

Stock No.	Res. Ohms	Current M.A.	Stock No.	Res. Ohms	Current M.A.
XE5078	30,000	25	XE5086	70,000	16
XE5079	35,000	23	XE5087	75,000	16
XE5080	40,000	22	XE5088	80,000	15
XE5081	45,000	21	XE5089	85,000	15
XE5082	50,000	20	XE5090	90,000	14
XE5083	55,000	19	XE5091	95,000	14
XE5084	60,000	18	XE5092	100,000	14
XE5085	65,000	17			

Your Cost Each, Any Size

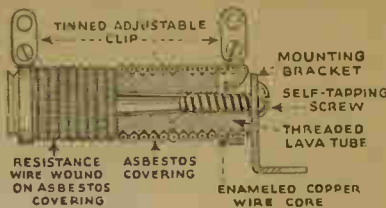
38¢

Every Day is a BARGAIN DAY at Wholesale Radio Service Co. Inc.

# ELECTRAD TRUVOLT RESISTORS

## TRUVOLT Adjustable Resistors

Now, beside the incorporation of a new 10-watt line, many new improvements and still greater advantages are to be gained through the use of this time-tested product. The adjustable clip has been redesigned to afford more effective resistance and unique end brackets are supplied with each B, C, and D type resistor. A new protective insulating sleeve is supplied with each resistor. There is now greater insulation (1000-volt insulation) to heat conducting copper core. Self-tapping screws are supplied to fit inside diameter of tube.



### TYPE A - 10 WATTS

Stock No.	Resistance in Ohms	Current in Milli-ampers	Your Cost
XG7150	1	3150	
XG7151	2	2200	
XG7153	3	1800	
XG7155	7.5	1150	
XG7156	10	1000	
XG7157	15	815	
XG7159	25	630	
XG7160	30	570	
XG7161	50	450	
XG7162	75	360	
XG7163	100	315	
XG7164	200	220	
XG7165	300	180	
XG7166	400	158	
XG7167	500	141	
XG7168	800	112	
XG7169	1000	100	
XG7170	1250	89	
XG7171	1500	81	
XG7172	2000	70	
XG7173	2500	63	
XG7174	3000	56	
XG7175	4000	50	
XG7176	5000	45	
XG7177	7500	36	
XG7178	10000	31	
XG7179	15000	26	
XG7180	20000	20	
XG7181	25000	16	

Shipping weight 12 units, 13 ozs.

### TYPE B - 25 WATTS

Stock No.	Resistance in Ohms	Current in Milli-ampers	Your Cost
XG7212	100	3150	
XG7213	200	353	
XG7215	300	289	49¢
XG7216	400	250	
XG7217	500	224	
XG7218	750	182	
XG7219	800	177	
XG7221	1000	158	
XG7222	1250	141	49¢
XG7223	1500	129	
XG7224	2000	112	
XG7226	2500	100	
XG7227	3000	91	
XG7228	3500	84	
XG7229	4000	79	
XG7230	4500	75	49¢
XG7231	5000	71	
XG7232	6000	64	
XG7233	7000	60	49¢
XG7235	7500	58	
XG7237	9000	53	.55
XG7238	10000	50	
XG7239	12000	45	58¢
XG724J	15000	41	
XG7241	20000	35	67¢
XG7242	25000	32	
XG7243	30000	29	.73
XG7244	40000	25	.76
XG7245	50000	22.5	.82

Weight 1 unit in carton, 1 oz.  
Weight 12 units in container, 13 ozs.  
Extra Sliders Each 5 cents.  
50 cents per doz.

### TYPE C - 50 WATTS

Stock No.	Resistance in Ohms	Current in Milli-ampers	Your Cost
XG7246	100	700	
XG7247	200	500	
XG7248	300	406	79¢
XG7249	400	353	
XG7250	500	316	
XG7251	750	259	
XG7253	1000	224	
XG7255	1500	182	
XG7256	2000	158	79¢
XG7258	2500	141	
XG7259	3000	129	
XG7260	3500	119	
XG7261	4000	112	79¢
XG7262	4500	105	
XG7263	5000	100	
XG7264	6000	91	
XG7265	7000	84	87¢
XG7267	7500	82	
XG7269	9000	74	.87
XG7270	10000	71	
XG7271	12000	65	96¢
XG7272	15000	58	
XG7273	20000	50	51.05
XG7274	25000	45	1.08
XG7275	30000	41	1.11
XG7276	40000	35	1.14
XG7277	50000	32	1.17
XG7278	60000	29	1.23
XG7279	80000	25	1.31
XG7280	100000	22.5	1.47

Shipping weight 1 unit, 8 ozs.  
Shipping weight 6 units, 1 lb.

### TYPE D - 75 WATTS

Stock No.	Resistance in Ohms	Current in Milli-ampers	Your Cost
XG7281	100	865	
XG7282	200	610	
XG7283	300	500	94¢
XG7284	400	432	
XG7285	500	387	
XG7286	750	316	
XG7288	1000	274	
XG7289	1250	245	
XG7290	1500	224	94¢
XG7291	2000	194	
XG7293	2500	173	
XG7294	3000	158	
XG7296	4000	137	94¢
XG7298	5000	122	
XG7299	6000	112	96¢
XG7300	7000	103	
XG7302	7500	100	99¢
XG7303	8000	97	
XG7304	9000	19	.99
XG7305	10000	87	\$1.11
XG7306	12000	79	
XG7307	15000	71	\$1.26
XG7308	20000	61	
XG7309	25000	55	1.31
XG7310	30000	50	\$1.31
XG7311	40000	43	
XG7312	50000	39	1.46
XG7313	60000	35	
XG7314	80000	31	\$1.62
XG7315	100000	27	

Shipping weight per unit, 3 ozs.

### ELECTRAD Variable Voltage Dividers



13,000 Ohms - 50 Watts  
This voltage divider has 4 sliding taps that enables the serviceman and set builder to obtain various voltages.  
XG7318 - Your Cost . . . . **78¢**  
25,000 Ohms - 50 Watts  
Also has 4 variable taps. **78¢**  
XG7319 - Your Cost. . . .

25,000 Ohms - 75 Watts  
Special Heavy Duty tapped voltage divider. Has 4 sliding contacts.  
XG7320 **\$1.25**  
Your Cost.  
41,000 Ohms - 75 Watts  
Ideal for Public Address and Phonograph amplifiers. Has 4 sliding contacts for all necessary voltages.  
Shpg. wt. 8 oz. **\$1.40**  
XG7321 - Your Cost. . . .

### C. T. Resistors

Small, compact and covered by a protective moisture-proof enamel. Accuracy 1%. In the following sizes: 10, 15, 20, 30, 50, 75, 100 and 200 ohms.  
XG7322 - Your Cost **15¢**  
Each. . . .

### ELECTRAD Precision Wire Wound 1 Watt Resistors

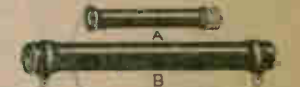
One watt precision wire wound resistors accurate to within plus or minus 1%. Each resistor individually slide tested. Particularly suitable for use in multimeters, voltmeters and other laboratory test instruments. Highest quality enamel die insures against heated turn and contributes to longer distributed life because of heavy insulation between turns. Non-inductive winding impregnated with moisture proof compound. Resistor supplied with ferrule for special mounting. Ferrule, extra, as priced below.

### Ferrule Type

Convert the above to screw terminals. Ferrule only.  
XE5001  
Your Cost, Per Pair . . . . **15¢**

Stock No.	Res. Ohms	Current M.A.	Your Cost
XE5002	1	1225	
XE5003	5	544	
XE5004	10	547	
XE5005	25	335	
XE5006	50	173	
XE5007	100	122	
XE5008	150	100	
XE5009	200	86	
XE5010	500	53	
XE5011	1000	38	44¢
XE5012	2500	24	
XE5013	4500	18	53¢
XE5014	5000	17	
XE5015	7500	14	56¢
XE5016	10000	12	
XE5017	12500	11	58¢
XE5018	15000	10	
XE5019	20000	8.5	73¢
XE5020	25000	7.7	
XE5021	30000	7	
XE5022	35000	6.5	73¢
XE5023	40000	6.1	
XE5024	50000	5.5	
XE5025	60000	5	88¢
XE5026	75000	4.4	
XE5027	100000	3.8	1.03
XE5028	125000	3.4	1.18
XE5029	150000	3.1	
XE5030	175000	2.9	1.32
XE5031	200000	2.7	
XE5032	225000	2.5	1.47
XE5033	250000	2.4	
XE5034	300000	2.2	1.62
XE5035	400000	2.2	
XE5036	500000	1.5	1.91
XE5037	750000	1.0	2.35
XE5038	1 Meg.	.7	2.54

### Standard Filament Drop Resistors for A.C. to D.C. Conversions



Heavy duty resistors for use as filament drop resistors in D.C. converters and regulators. Can also be used for other purposes provided rating is not exceeded.  
Type A - 20-Ohm Edison Base resistor rated at 60 watts. Shpg. wt. 3 lbs.  
XX20719 - Your Cost Each 75c  
Type B - 60-ohm, 200-watt resistor. Will stand considerable overload. Size 8 1/2 x 7 1/2. Shpg. wt. 3 lbs.  
XX20720 - Your Cost Each 95c  
Similar to the above, but 60 ohms, 300 watts. Size 11 1/2 x 7. Shpg. wt. 4 lbs.  
XX20721 - Your Cost Each 98c  
Type C (not illustrated) - Consists of a 60-ohm, 200-watt vitreous enameled resistor like Type B, mounted in a pressed steel cage. Cage is provided with base receptacle to take line plug. Ideal for use in mid-range receivers. Shpg. wt. 5 lbs.  
XX20722 - Your Cost Each..\$1.95  
Similar to the above caged resistor but with 60-ohm 300-watt tube. Shpg. wt. 6 lbs.  
XX20723 - Your Cost Each..\$2.10

# YAXLEY RADIO PRODUCTS

APPROVED RADIO PRODUCTS

## YAXLEY Radio Convenience Outlets

### Antenna and Ground Outlet



No. 156—Has two pin jacks marked "Ant" and "Gnd." Comes complete with tip plugs. Shpg. wt. 1 lb.

XF6406—Brass  
XF6407—Bakelite  
List 50.75  
**Your Cost Each 44¢**

### Aerial, Ground and Duplex A. C.



No. 256—Has two pin tip jacks and two A. C. receptacles. Furnished complete with two tip plugs. Shpg. wt. 1 lb.  
XF6414—Brass  
XF6415—Bakelite  
List \$1.50  
**Your Cost Each 88¢**

### Seven Conductor Jack With Plug



No. 137—For Multiple Connections. Ideal for use with battery cables. Used in hotels and hospitals for loud speaker connections. Shpg. wt. 1 lb.

XF6410—Brass  
XF6411—Bakelite  
List \$2.50  
**Your Cost Each \$1.47**

## YAXLEY Grid Resistors



Wire wound for the grid line. Mount directly to socket. Illustrated above.

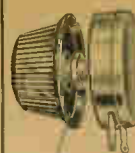
Stock No.	Resistance in Ohms	Mounting Centers	Net Price
XF6315	100	1 1/2"	
XF6316	200	1 1/2"	
XF6317	300	1 1/2"	18¢
XF6318	400	1 1/2"	
XF6319	500	1 1/2"	
XF6320	600	1 1/2"	
XF6321	700	1 1/2"	24¢
XF6322	800	1 1/2"	
XF6323	1000	1 1/2"	
XF6324	1500	2 1/4"	
XF6325	2000	3 1/4"	
XF6326	3000	4 1/4"	

## YAXLEY Resistance Units

Small, accurate, provided with combination screw eye and solder lug.

Ohms	Ohms	Net Price
XF6330—1	XF6337—10	
XF6331—2	XF6338—15	
XF6332—3	XF6339—20	
XF6333—4	XF6340—25	
XF6334—5	XF6341—30	
XF6335—6	XF6342—40	
XF6336—8		
List Each 25c		15¢
Net		

## Jr. Rheostats and Potentiometers



Variable wire wound resistors which dissipate 4 watts. Midget in size, 1 1/2" in diameter. Mount in a 1 1/2" panel hole. Complete with knob.

Stock No.	Rheostats Ohms	Amperes	Your Cost
XF6480	1	2.0	
XF6481	2	1.4	
XF6482	3	1.2	44¢
XF6483	6	.8	
XF6484	10	.6	
XF6485	15	.5	
XF6486	20	.45	
XF6487	25	.4	

### Potentiometers

XF6503	20	.45	
XF6489	25	.4	
XF6490	30	.36	
XF6491	40	.3	58¢
XF6492	50	.28	
XF6493	60	.25	
XF6494	75	.23	
XF6495	100	.2	
XF6496	200	.14	
XF6497	400	.1	
XF6498	1000	.05	73¢
XF6499	2000	.045	
XF6500	3000	.035	
XF6501	5000	.028	88¢
XF6502	10000	.016	

## Etched Dial Plates



Made of fine aluminum with hard, smooth finish. Hole in center designed to fit over bushing. Numbers etched on face in white.

Plates with "OFF" position are designed especially for use with Yaxley gang switches listed on page 153. Other plates may be used with any selector switch, with step type controls, etc.

Stock No.	Marking	Your Cost Each
XF6224	1 to 2	
XF6225	1 to 3	
XF6226	1 to 4	
XF6227	1 to 5	
XF6228	1 to 6	
XF6229	1 to 7	
XF6230	1 to 8	
XF6231	1 to 9	
XF6232	1 to 10	
XF6233	1 to 11	9¢
XF6234	1 to 12	
XF6235	"OFF"—1 to 3	
XF6236	"OFF"—1 to 4	
XF6237	"OFF"—1 to 5	
XF6238	"OFF"—1 to 6	
XF6239	"OFF"—1 to 7	
XF6240	"OFF"—1 to 8	
XF6241	"OFF"—1 to 9	
XF6242	"OFF"—1 to 10	

## Insulated Tip Jack



No. 422—Bakelite Cap. Red and Black for Positive and Negative. Phone tip nests all the way in jack. Mounts in 1/2" hole. Shpg. wt. 2 oz.

XF6467—Per Pair 15¢

## Yaxley Tip Jacks

No. 416—One of the most popular types used. Mounts in 1/2" hole.

XF6437—List 15c  
**Your Cost Each 9c**  
Per Dozen 95c



## Tip Jack



Tip Jack with positive single conductor contact is used for test panels, instruments, battery leads, and in sets for aerial and ground, battery and speaker connections, etc. Hole 3/8". Easy and convenient to mount.

XF6444—Each 18¢

## Double Phone Plugs



Bakelite insulation, tip insulated from sleeve. Equipped with screw terminals with coin slot. Will take 1 or 2 phones or speakers or a combination of both.

XF6295—Your Cost Each 29¢

## NOTE

We can supply any Yaxley product not listed here at a discount of 40 and 20% from the list price. Other Yaxley items will be found listed on pages 140, 141 and 153.

## Bakelite Insulated Jacks



No. 407—These Jacks have attractively colored Bakelite caps; Red for Positive, Black for Negative. Tip nests all the way in the jack. These caps lessen danger of shorting. Mounts in 1/2" hole up to 3/4" panel thickness. One-Black; One-Red.

XF6445—List per Pair 35c  
**Your Cost 21¢**

## YAXLEY Extension Shafts



For use on volume controls and switches where longer shafts are required. All are 4" long.

XF6561—1/2" diam., 1/8" flat  
XF6562—3/8" diam., 1/8" flat  
XF6563—1/2" diam., 1/8" flat  
**Your Cost Each 15¢**  
Any Size

## YAXLEY Cable Connector Parts Pin Plugs



Featuring Bakelite insulation; positive spring contacts; no loosening of pins or springs in soldering. Polarized plugs; plainly marked terminals.

Cover Type  
XF6375—No. 635—Pin plug with cover—7 conductor.  
List Price \$1.00  
**Your Cost 59¢**  
XF6376—No. 625—Pin plug with cover—12 conductor.  
List Price \$1.25  
**Your Cost 73¢**  
Broadcasting stations, auto radio receivers and other electrical and radio equipment have general use for these cable connectors.

## YAXLEY Cables and Connectors



Brings battery wires to set in one compact cable, easily disconnected for cleaning. Can not be connected improperly. RMA color coded; tagged cables. Sub-panel types have bracket type male and round Bakelite female plugs. Shpg. wt. 2 lbs.  
XF6400—No. 660—7 conductor cables 5 feet long for sub-panel mounting.  
**Your Cost \$1.76**  
XF6401—No. 612—12 conductor cable 4 feet long for sub-panel mounting.  
**Your Cost \$2.94**

## Yaxley Midget Jack Switches

No. 10—Midget Jack Switch requires less space on panel. Black Knob, Pointer and name plate. Single pole, single throw mount. Single pole, single throw.

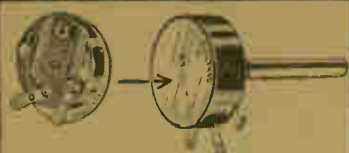
XF6446—List 50c  
**Your Cost 29¢**  
No. 11—Single pole, double throw.  
XF6447—List 65c  
**Your Cost 38¢**

## YAXLEY Junior Jacks

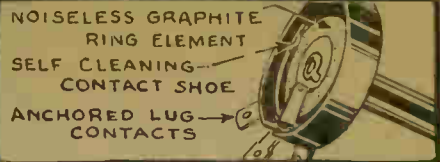


Much smaller and requiring less mounting space than the long jacks, they are used where space is at a premium. Extends only 1 1/2" behind panel. Shpg. wt. 6 ozs.  
XF6450—No. 701—Open circuit.  
List 40c. **Your Cost 23c**  
XF6451—No. 702—Circuit closing  
List 55c. **Your Cost 32c**  
XF6449—No. 702A—Two cir. fil.  
List 55c **Your Cost 32c**  
XF6452—No. 703—Sin. Cir. Fil.  
Control. List 65c. **Your Cost 38c**  
XF6453—No. 704—Interstage.  
List 75c. **Your Cost 44c**  
XF6448—No. 706—Interstage Fil.  
Control. List 95c. **Your Cost 56c**

# ELECTRAD Volume Controls



with **NEW**  
**POWER SWITCH**



The new Electrad Volume Controls are housed in Molded Bakelite Cases with metal end covers. All have aluminum shafts which may easily be cut to any desired length. The resistance element is applied and baked at a high temperature to the flat outer surface of a Bakelite ring. This provides full 300 degree rotation, making a smoother control. The contact shoe is a highly polished alloy, held by a long bronze tension spring. It is self-aligning, self-cleaning, and continuously polishes the resistance element to a smoothness and quietness which increases with

use. The new Power Switch (approved by Underwriters), may be readily added or detached. The standard end cover is held rigidly to the case by means of a single screw; by merely loosening this screw, the end cover may be removed and the power switch substituted and secured by the same screw. Both end cover and switch cover are shaped and tapped identically, so that no adjustments are necessary when interchanging.

Manufacturer	Stock No.	Your Cost
<b>A. C. Dayton Co.</b>		
AC-62, AC-65, AC-66.....	XG7904*	\$0.59
Navigator.....	XG7973	1.27
<b>All American Mohawk Co.</b>		
S-6, S-7, S-8, 90, J.....	XG7912*	.59
Lyric J, H, 96, 90, C6, Lyric Model D, A.....	XG7902*	.59
AC-228, 227.....	XG7904*	.59
6-Tube Electric Set, Mohawk, Lyric K B-7.....	XG7989	1.96
11-D, 19-D, 29-D, 34-D, 19-H, 29-H, 34-H.....	XG8075	1.33

Manufacturer	Stock No.	Your Cost
<b>Amrad Corporation</b>		
AC-6, AC-6C, 84.....	XG7904*	.59
81.....	XG7906*	.59

Manufacturer	Stock No.	Your Cost
<b>Atwater-Kent</b>		
37, 38, 40, 42, 43, 44, 46, 52, etc., Volume Control Strip.....	XG7992	.25
55, 60, 66 Strip.....	XG7993	.25
55, 55C, 60, 60C, 61, 61C, 66.....	XG7920*	.59
55, 55C Late Models.....	XG8076	1.59
H Series.....	XG8016	1.85
82, 82F, 85, 85F.....	XG8026	.68
P, I, I, L2.....	XG8092	2.00
80, 80F, 83, 83F.....	XG8023	.92
81, 81F.....	XG8024	1.19
86, 86F.....	XG8025	1.19
82DC.....	XG8077	.92
82Q.....	XG8027	.66
84, 84F, 85Q, 82, 67.....	XG7907*	.59
84, 81F, Early Models.....	XG7904*	.59
217, 427, 667, 510, 310-T, 310-J, 275, 165, 711-T, 711-R, 711 J, 704, 805-A, 217-D, 427-D, 667-D.....	XG8029	1.03
636, 756, 750-B.....	XG8034	.73

Manufacturer	Stock No.	Your Cost
<b>Bosch Radio</b>		
5, 20 Super-Het.....	XG7902*	.59
66, DC66, 146, 166, 176, 16AC, 126, 107, 116, 242E, 250, 312.....	XG7904*	.59
32DC, 44.....	XG7910*	.59
28, 29.....	XG7995	.92
5-A, 205.....	XG7996	1.05
58, 62.....	XG8037	.66
7A, 20, 20J, 20K, 20L, 31, 36, 75, 133, 155, 74.....	XG8039	.92
80, 84.....	XG8040	.66
60, 64.....	XG8041	.66
44AC, 54DC.....	XG8052	1.45
54, Tone Control.....	XG7904*	.59
250, 312, Tone Control.....	XG7914*	.59

Manufacturer	Stock No.	Your Cost
<b>Bremer-Tully</b>		
6, 14, 21, 31, 81-A.....	XG7903*	.59
41, 82.....	XG8093	1.05
7-70, 7-71, 8-20, 8-21, 8-22.....	XG7902*	.59
8-81, S-82, 83, 25-Cycle.....	XG7910*	.59

Manufacturer	Stock No.	Your Cost
<b>Brunswick</b>		
B-17, 17-8, PR.....	XG7936	.79
2KR, 5KR, 2KRO, 5KRO, 3KR8, 5KR6.....	XG7937	.79
3NC8, 3NWS, 5NC8.....	XG7939	.59
17, 24, 25, PA, D11, D12, D16, D18, D53.....	XG7904*	.59
S14, S21, S1, S81, S82.....	XG7997	1.32
19, DC14, DC21, DC41.....	XG7911*	.59
11, 12, 16, 33.....	XG7931	.79
14, 21, 31.....	XG7903*	.59
Panatrope, Phono-Volume Control.....	XG8079	.79
1-B, Tone Control.....	XG7908*	.59

**NOTE—A ★ following a control means it is a standard control, having an extra long shaft to meet all replacement purposes. These controls are supplied less A.C. switch. If your replacement calls for a switch type volume control, be sure to order the Electrad Snap-On A.C. Switch Assembly. All other volume controls are designed especially for the receiver specified.**

Manufacturer	Stock No.	Your Cost
<b>Colonial Radio</b>		
16-6, 16-5, 17-5, 20-21, 26DC, 31DC.....	XG7905*	.59
47, 48.....	XG7912*	.59
44, 50, 46.....	XG7902*	.59
32, 33, 32DC.....	XG7978	1.32

Manufacturer	Stock No.	Your Cost
<b>Columbia Radio</b>		
Screen-Grid 8.....	XG8044	1.19


Manufacturer	Stock No.	Your Cost
<b>Crosley</b>		
76DC, 400, 410, 420.....	XG7918*	.59
608, 609, 111 1/2 Shaft.....	XG7972	.66
804.....	XG7959	.66
Buddy, Chum.....	XG7916*	.59
30S, 31S, 33S, 34S.....	XG7966	.66
AC-7, AC-7C.....	XG7923	.59
82S, 40S, 41S, 45S.....	XG7966	.66
40S, Early Models.....	XG7967	.66
77, 84, 92, 121, 121-1, Series B, 127, 91, Roanoin Auto.....	XG7904*	.59
53, 54, 57, 58.....	XG7956	.66
55, 56, 120.....	XG7902*	.59
704, Early Models.....	XG7929	.66
123.....	XG7920*	.59
124, 125.....	XG7957	.97
610, Female Shaft.....	XG7968	.79
Early 706, Long Shaft.....	XG7928	.79
26.....	XG8045	.66
59.....	XG8082	.79
41, 41A, 42, 705, 706, Long Shaft.....	XG7998	.79
602, 704, 704A, 704B, Short Shaft.....	XG8096	.66
Super Buddy 122, Johnny Smoker.....	XG7909*	.59

Manufacturer	Stock No.	Your Cost
<b>Earl Radio</b>		
31, 32, 41.....	XG7903*	.59
21DC, 22DC, 32, 21AC, 22AC, 24DC, 31DC.....	XG8017	1.32
34DC.....	XG7908*	.59
31S, 32S, 33S.....	XG8053	1.45

Manufacturer	Stock No.	Your Cost
<b>Edison Radio</b>		
SC, C1, C2, E-175, R1, R2.....	XG7964	.66
R-6, R-7.....	XG7987	.66
Splitdorf, 6-Tube.....	XG7905	.59
Abbey.....	XG7951	.66
R-200.....	XG7903*	.59
R1, R2, R3, Front Unit, Regeneration Control.....	XG7999	.79

**FREE!**

**Volume Control Guide**



This book contains in concise form a list of Electrad Standard and Special Volume Controls for replacement in a large number of radio receivers. It's FREE write for it today.

Manufacturer	Stock No.	Your Cost
<b>Eveready</b>		
1, 2, 3.....	XG7995	.92
30, 40, 50 Series.....	XG7990	1.96

Manufacturer	Stock No.	Your Cost
<b>Fada</b>		
41, 42, 44, 46, 47.....	XG7907	.59
Model 45, KU.....	XG7920	.59
472UA, CA, 43-72, 10, 11, 31, 10Z, 11Z, 30Z, 31Z, 60, 70, 71, and 72.....	XG7953	.66
26Z, 265UA, CA, RP65UA, RP6Z, UA, 7AC, 475.....	XG7952	.66
16, 17, 32, 16Z, 32Z, 18DC, and 1653-AB.....	XG7958	.66
20, 20Z, 25, 25Z, 15M, 15MZ, 35 and 35Z.....	XG7927	.66
75 and 77.....	XG7921*	.59

Manufacturer	Stock No.	Your Cost
<b>KY Chassis used in 66 Receiver, RE Chassis used in 78, 85 Receivers; RA Chassis used in 74, 76, 83, 87, 88, 89 Receivers, 48, 49.....</b>	XG7904*	.59
<b>KW Chassis used in 48, 49 Receivers (Neon Tube Control).....</b>	XG8083*	.59
<b>RA Chassis used in 74, 76, 83, 87, 88, 89-Neon Tube Control.....</b>	XG7913	.59
<b>KO, KOC; 51, 53, 57, 45.....</b>	XG8083*	.59
<b>43.....</b>	XG8097	1.59
<b>RC; 75 and 79.....</b>	XG8084	1.32

Manufacturer	Stock No.	Your Cost
<b>Freed-Eisemann</b>		
NR-90SAC.....	XG8053	1.45
NR-78DC, NR79DC.....	XG7908*	.59
NR-55, AC and DC, NR-56.....	XG8017	1.32
NR-60, NR-70.....	XG7904*	.59
NR-80AC, NR-80DC, NR-80AC, and NR-85DC (Strip).....	XG8098	.24

Manufacturer	Stock No.	Your Cost
<b>Freshman</b>		
Mustar piece, Equiplan.....	XG7905*	.59
G, Q, 15, Q-16, 211, M, 2N, QD-16S.....	XG7902*	.59
R, K, L, LS.....	XG7904*	.59
31, 32, 33.....	XG8053	1.45

Manufacturer	Stock No.	Your Cost
<b>General Electric</b>		
H-71, H-51, H-31.....	XG7943	.79
H-32.....	XG8014	.66
T-12.....	XG7933	.66
S-22.....	XG7944	.79
K-62, S-132.....	XG7934	.66
H-51, H-51, H-71, Tone Control.....	XG7906*	.59

Manufacturer	Stock No.	Your Cost
<b>General Motors</b>		
"A" Chassis; Models 120, 130, 140, 150 and 160.....	XG8021	1.96
Chassis S1A, S1B; 216, 217, 219, 250.....	XG8057	1.05
Chassis S2M, S2B, S2A, S2B; 251, 252, 253, 254, 255, 256, 257 and 258.....	XG8058	1.05
Chassis S2A, S2B Tone Control.....	XG8101	.66
Chassis S1A, S1B.....	XG8085	1.05
Chassis S1A, S1B; Tone Control.....	XG8059	.66
Chassis S9A, S9B, Model 211.....	XG8102	1.05
Chassis S10A, S10B, Model 220.....	XG8056	1.05
Chassis MA-MB Tone Control.....	XG8103	.53

Manufacturer	Stock No.	Your Cost
<b>Graybar Electric</b>		
Midget 8.....	XG7944	.79
311.....	XG7937	.79
600.....	XG7942	.79
240.....	XG7939	.79
500, 550.....	XG7938	.79

# ELETRAD Volume Controls (Cont'd)

Manufacturer	Stock No.	Your Cost	Manufacturer	Stock No.	Your Cost	Manufacturer	Stock No.	Your Cost
<b>Graybar Electric (Cont'd)</b>			<b>RCA-Victor</b>			<b>Stromberg-Carlson</b>		
678, RC-3	XG8054	\$1.96	Radiola 16	XG7935	\$0.92	635, 636, 638, Short Shaft	XG7901	\$0.66
700, 770, 900	XG7943	.79	Radiola 17, 50, 41, 7-25, 7-54	XG7936	.79	635, 636, 638, Double Shaft	XG7961	.53
770, 900-Tone Control	XG7906*	.59	Radiola 18, 33, 51, 7-11, 7-26	XG7937	.79	846, 848, Double Shaft	XG7965	.66
900 Phono Volume Control	XG8067	.66	Radiola 44, 46, 47	XG7938	.79	846, 848, Long Shaft	XG7900	.66
Graybarette No. 4	XG7933	.66	Radiola 60, 62	XG7939	.79	641, 642, 652, 654: Long Shaft	XG7900	.66
<b>Grebe, A. H.</b>			Radiola 64, 67, 9-18, 9-54	XG7940	.79	641, 642, 652, 654: Double Shaft	XG7960	.53
AC6, AC7, 428, HS-4	XG7910*	.59	Radiola 64 Sensitivity Control	XG7941	.79	638 DC	XG7932	.66
AH-1	XG7918*	.59	Radiola 66	XG7942	.79	10, 11, 16, 17, 25, 26	XG8030	.92
SK-4 AC	XG8086	.66	80, 82, 86	XG7943	.79	19, 20, 21	XG8031	.66
Models 1, 2, 3, 4, SK-4DC	XG7911*	.59	R-5, R-5X	XG7933	.66	12, 14	XG8032	.92
<b>Kennedy</b>			Superette R-7, 7A	XG7944	.79	22, 24, 27	XG8033	.92
10, 20, and 12 SG	XG7924*	.59	RAE26	XG7934	.66	19, 20, 21; Tone Control	XG8034	.79
62	XG8010	.66	Superette R-7, 7A; Tone Control	XG8065	.66	37	XG8050	1.32
26	XG7989	1.96	Radiola 46 DC	XG8013	.66	38, 39, 40	XG8123	1.59
24	XG8072*	.59	R50, R55, RAE59, RAE79	XG8014	.66	645 DC: Double Shaft	XG8124	.53
44, 48, 50, 42, 32, 34	XG7912*	.59	RAE26, R-11: Tone Control	XG8066	1.05	645 DC: Long Shaft	XG7900	.66
Royal	XG8106	1.27	RAE26, RE18, 86: Phono Control	XG8067	.66	48, 49, 50, 51	XG8063	1.47
K-1323 DC	XG8107	1.32	82, 86: Remote Control, Single Control	XG8099	.66	52, 54	XG8064	1.47
<b>Kolster-Columbia</b>			82, 86, 35, 57, RAE79: Remote Control, Dual Control	XG8100	1.32	<b>U. S. Radio and Television</b>		
K-20, 21, 22, 23, 24, 25, 27, 28, 37	XG7902*	.59	RC-3, 42, 48, 13, 15, 17	XG8054	1.96	Case 80, Apex 36, 37, 50, 60, 90	XG7902*	.59
K-70, 72, 80, 82, 90, 92	XG7902*	.59	35, 39, 57	XG7986	1.96	Apex 31, 32, 33DC, 30, 26, 29, 32, 49, 20, 99 Series	XG8083*	.59
K-110, 112, 120, 122, 130, 132	XG8074	1.06	R-32, RE-45, R-52, RE-75	XG7979	1.05	Gloriatone Early 27	XG7918*	.59
K-43	XG8108	1.32	RE-59: Phono Control	XG8116	.92	Gloriatone 28, 29, 32, Apex 41, 43, 46, 47, 42, 44, 48, 48A	XG7916*	.59
K-45	XG7921*	.59	<b>Silver-Marshall</b>			8 Series, 10 Series	XG7907*	.53
<b>Majestic</b>			4SM-730 Around the World	XG7903*	.59	Gloriatone 26P	XG8126	.66
70 and 70B	XG7912*	.59	782, 770, 714	XG8091*	.59	Gloriatone Late 27	XG8127	.92
90, 91, 92, 100B	XG7903*	.59	C Super, Model A, Model F, D, E, and 726	XG7911*	.59	<b>Westinghouse Electric</b>		
130-A, 230-A	XG7918*	.59	722-30, 30B, 60B, 75B, 90B, 712, B	XG7924*	.59	WR-4	XG8054	1.59
20, 21, 22, 23	XG7971*	.92	Model Y-39	XG8117*	.92	WR-5, 6, 7	XG7943	.79
25	XG7912*	.59	<b>Sparton</b>			WR-8 Remote Control	XG8099	.79
25B, 35	XG7920*	.59	5, 9	XG7949	1.05	WR-10, 10A	XG7944	.79
15, 15B, 150	XG8002	1.19	10	XG7948	1.05	WR-14	XG7933	.66
60 Chassis	XG8003	.66	15	XG7947	1.05	WR-15	XG7934	.66
130 Chassis	XG8004	.66	25, 26	XG7946	1.05	WR-15: Tone Control	XG8066	1.06
150 Chassis: Phono Control	XG8005	.66	110, 301, 101, 103, 109, 589, 930, 931, 79A, 69, 591, 593	XG7930	.66	WR-10: Tone Control	XG8065	.66
25 Chassis	XG8006	1.19	570, 740, 750, 564, 600, 610, 620, 737, 574, 870, 111A, 89A	XG8118	.66	WR-7, WR-8: Phono Volume Control	XG8067	.66
90, 91, 92, 180, 181, 90B, 100B; Equalizer	XG8007	.79	410, 420, 600A, 610A, 620A	XG7983	1.59	<b>Wholesale Radio Service Co. Inc.</b>		
30 Chassis	XG8018	1.59	41	XG7913*	.59	Duo Symphonic	XG7909*	.59
100 Chassis	XG8019	1.32	62, 63	XG7903*	.59	Duo Symphonic Jr., 1931, Series 10, Mighty Atom, AC524, Pre-Selector	XG7902*	.59
50 Chassis	XG8020	1.32	<b>Steinitz</b>			Series 20, Super-Het	XG7904*	.59
200 Chassis	XG8011	.66	40, 50, 102, 40C, 60C, 102C, 70, 80, 95, 991, 992, 993, 26, 15, 412, 420, 15 Chassis; 210, 230, 450, 17 Chassis, 16, 90, 990	XG7903*	.59	Duo Symphonic: Tone Control	XG7907*	.59
210 Chassis	XG8012	.66	421, 425, 21 Chassis, 203, 600, 605, 630, 635A, 642, 643, 22 Chassis, 22, 28, 261, 262, 423, 23 Chassis	XG7912*	.59	<b>Zenith Radio</b>		
200 Chassis: Tone Control	XG8109	1.05	<b>Stewart-Warner</b>			14, 15, 16, 39, 6-Tube Zenette, 33, 34, 35, 35A, 342, 352, 352A, 362, 333, 353, 34P, 342P, 40A, 41, 42, 422, 35PX, 35APX, 352PX, 352APX, 37A, 55	XG7903*	.59
210 Chassis: Tone Control	XG8110	1.05	950DC, 970, R100C DC	XG8022	1.32	52, 53, 54, 60, 61, 62, 64, 67	XG7945	.92
15 Chassis: Tone Control	XG8111	.66	900, 811, 500, 520, 525, 806	XG7903*	.59	Hyper-Merton, 82, 89, 822, 882, 10, 102, 112, 122, 70	XG7976	1.59
180, 181: Phono Control	XG7913*	.59	950 AC, R100A, R100B, R100E R101A R101M	XG7925	.66	602, 613, 622, 642, 672, 11, 12, 80	XG7906*	.59
25 Chassis: Tone Control	XG7914*	.59	530, 535	XG7904*	.59	12-Tube Zenette, LH, WH, MH	XG7902*	.59
150 Chassis: Tone Control	XG7906*	.59	R-104A	XG8119	.66	5-Tube Zenette, BH, LH, WH, 80, Super-Merton	XG7906*	.59
120, 120B	XG8112	1.32	R-106A	XG8120	.92	<b>ELETRAD T Pad Attenuator</b>		
<b>Philco</b>			R110A, R110E	XG8121	.92	<b>Super T Pad Attenuator</b>		
5, 82, 86, 87, 511, 521, 531, 541, 551, 561, 571, 581	XG7962	.53	R-111	XG8122	.92	<b>ELETRAD L Pad Attenuator</b>		
Transitone 95, 96, 96A, 30, 211, 211A, 15, 47, 91L, 91B, 91X, 111, 111A, 1, 2, 3, Tran 3	XG7904*	.59	<b>Recommended for individual control of magnetic speakers such as those used in centralized school systems, hotels, hospitals, or where one or more speakers are added to the home receiver. Two elements provide constant resistance to the line with smooth volume control of the individual speaker without changing adjustment of other speakers on the same line. Units employ "pressure type" contact shoes of the "self-cleaning" type. Housed in moisture-proof metal case. Shpg. wt. 1 lb.</b>			<b>Stock</b>		
71H, 71L, 71B	XG7907*	.59	<b>A network of three resistances housed in a large moisture-proof case. Two sections offer constant resistance to the input and output circuits while a tapered section provides smooth attenuation of the volume level. Useful for the volume control of microphones, electrical phonographs, talking picture amplifiers and other sound amplifying and distribution systems. Constant impedance is maintained throughout the adjustment of the knob.</b>			<b>Resist. Ohms</b>		
70, 70A, 90, 90A	XG8049	1.32	<b>Stock No.</b>			<b>Resist. Ohms</b>		
70, 70A: Serial Numbers above B-22000	XG7904*	.59	<b>Stock No.</b>			<b>Resist. Ohms</b>		
76	XG7915*	.59	<b>Stock No.</b>			<b>Resist. Ohms</b>		
95	XG8071	.66	<b>Stock No.</b>			<b>Resist. Ohms</b>		
112, 112A, 112E, 212, 212A	XG8070	.66	<b>Stock No.</b>			<b>Resist. Ohms</b>		
20, 20A, 270, 220	XG7980	1.32	<b>Stock No.</b>			<b>Resist. Ohms</b>		
50, 50A	XG8048	1.32	<b>Stock No.</b>			<b>Resist. Ohms</b>		
51, 51A	XG7902*	.59	<b>Stock No.</b>			<b>Resist. Ohms</b>		
65	XG7910*	.59	<b>Stock No.</b>			<b>Resist. Ohms</b>		
63	XG8043	1.03	<b>Stock No.</b>			<b>Resist. Ohms</b>		
19	XG8046	.73	<b>Stock No.</b>			<b>Resist. Ohms</b>		
89	XG8062	.73	<b>Stock No.</b>			<b>Resist. Ohms</b>		

## ELETRAD T Pad Attenuator

A network of three resistances housed in a large moisture-proof case. Two sections offer constant resistance to the input and output circuits while a tapered section provides smooth attenuation of the volume level. Useful for the volume control of microphones, electrical phonographs, talking picture amplifiers and other sound amplifying and distribution systems. Constant impedance is maintained throughout the adjustment of the knob.



Stock No.	Resist. Ohms	Stock No.	Resist. Ohms
XG7705	15	XG7707	500
XG7712	50	XG7708	3000
XG7706	200	XG7709	5000

Your Cost, Any Size..... \$2.10

## Super T Pad Attenuator



A brand new line of constant impedance attenuators of the tap switch variety, utilizing self-cleaning contacts that are noiseless in operation over long periods of time. The resistor elements are wire-wound and maintain their calibration; are non-inductive, low capacitive and absolutely quiet. Even attenuations are obtained up to 44 DB in 4 DB steps. Will carry 8 watts of signal energy safely. Shpg. wt. 3 lbs.

XG7710—200 ohms impedance.  
XG7711—500 ohms impedance.

Your Cost, Either Type..... \$7.50

## ELETRAD L Pad Attenuator

Recommended for individual control of magnetic speakers such as those used in centralized school systems, hotels, hospitals, or where one or more speakers are added to the home receiver. Two elements provide constant resistance to the line with smooth volume control of the individual speaker without changing adjustment of other speakers on the same line. Units employ "pressure type" contact shoes of the "self-cleaning" type. Housed in moisture-proof metal case. Shpg. wt. 1 lb.

Your Cost, Any Size..... \$1.50

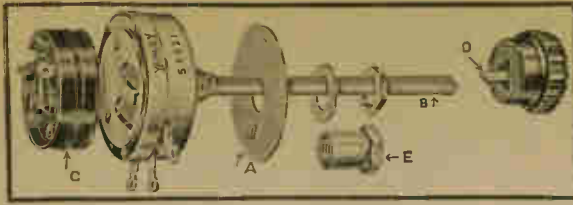


Stock No.	Resist. Ohms	Stock No.	Resist. Ohms
XG7700	15	XG7702	500
XG7713	50	XG7703	3000
XG7701	200	XG7704	5000

# YAXLEY VOLUME CONTROLS

APPROVED RADIO PRODUCTS

- A** Minimum Bias Adjustment. On All Bias Controls.
- B** 4-inch Shaft of Special Alloy.
- C** Power Switch (Approved by Underwriters) Easily Attached to Any Control.



- D** Knob Adapter. Allows Shaft to Take Any Type of Knob; Set Screw, Spring or Philco Type.
- E** Extension Bushing. May be Added To Any Control. Extends Through a 5/8" Panel.

Manufacturers	Stock No.	Your Cost
<b>ALL AMERICAN MOHAWK CORP.</b>		
6 tube AC 60, 61, 62, 65, 66		
6 tube Elec.	XF6672	\$0.59
Model J Chassis, Kellogg type S-30	XF6673	.59
Lyric "K" 5 tube Batt., 7 tube DC, 5 tube AC, 6 tube 1926 AC, Sextette, 256-7 Contact, Sw-80, SA-65, SA-130	XF6680	.59
83, 85, 88, 8T	XF6690	.73
<b>A. C. DAYTON COMPANY</b>		
Navigator	XF6674	.59
AC-66, AC-63, AC-65	XF6678	.59
<b>AMERICAN BOSCH CORP.</b>		
251, 359, 355, 360, 10, 242, 243, 260, 261	XF6680	.59
<b>AMERICAN BOSCH MAGNETO CORP.</b>		
58 and 62	XF6671	.59
Model 80 Auto	XF6675	.59
46-AC, 126, 146, 166, 176, 107 Batt., 116 Batt.	XF6679	.59
54-DC, 48 and 49	XF6685	1.47
251, 350, 355, 360	XF6680	.59
10, 242, 243, 260, 261	XF6680	.59
73 (Tone)	XF6677	.59
<b>ATWATER-KENT</b>		
86, 86-F, 1st and 2nd type, 43, 44, 45, 82, 82-F, 85, 85-F, 86, 86-F	XF6668	.59
87 1st type, 87 3rd type	XF6671	.59
84, 84-F Late	XF6671	.59
567, 567-F, 90, 90-F, 80, 80-F, 83, 83-F	XF6672	.59
H-2 72 series H-1, 81 Auto 228-Q Batt., 82-Q, 2nd type Batt., 85-Q, 1st type 85-Q, 2nd type, 82-Q, 84, 84-F Early 84-Q, 67, 67-C 89-89-F	XF6678	.59
246, 424, 534, 81, 81-B, 81-C, 91-B, 91-C, 91, 636 Auto, 756, 756-B auto	XF6680	.59
711, 808-A, 228-D, 480, 260, 260-F, 1st and 2nd type, 228, 228-F, 188, 188-F, 2nd, 188, 188-F 1st, 448	XF6680	.59
89, 89-F, 89-P 3rd type, 155 (3rd type) above serial 7, 088, 700, 92, 02-F, 96 (1, 2, 3), 165, 217, 427, 667, 217-D, 427-D, 667-D, 246, 266 2nd type, 310, 510, 555, 708, 808, 426, 465, 812, 627, 612, 99 (1, 2, 3 types), 469-D, 558-D, 260, 260-F	XF6680	.59
37, 38, 40, 42, 43, 44, 45, 52 (Strip Only)	XF6656	.29
55, 60, 61, 66 (Strip Only)	XF6657	.29
70, 74, 76, 76-P Chassis, D2, 87-D	XF6684	1.47
L2, type F, P, type Q-2 Batt., D-1, D-2	XF6686	1.47
72-Chassis H-1, H-2, 76-Chassis Q	XF6687	1.47
<b>BALKEIT RADIO CO.</b>		
B-7, B-9	XF6671	.59
A-3, A-5, A-7	XF6678	.59
L-8, L-7 (Tone)	XF6680	.59
<b>BELMONT RADIO CORP.</b>		
45, 46, 50, 50-A, 50-B, 60, 70, 40-AC, 40-A-AC, 50-C	XF6674	.59
660 Auto, 625, 550, 550, 525	XF6678	.59
	XF6680	.59
<b>BREMER-TULLY MFG. CO.</b>		
S-14, S-21, S-31, 83, S-81, S-2	XF6671	.59
81-A, 81, 82	XF6676	.59

**PRICES DO NOT INCLUDE SWITCH**

Snap-on Switch will fit any type Yaxley Volume Control. Easily attached. XF6564

Your Cost **21c**

**Double Pole, Single Throw Switch Plate**

Switch "makes" another circuit when power switch is in "off" position. Same size and shape as standard switch cover. Fits all controls. List 50c

XM12853 - Your Cost Each **29c**

Manufacturers	Stock No.	Your Cost
<b>BRUNSWICK RADIO</b>		
3-NW-8	XF6669	\$0.59
S-14, S-11, S-31, S-81, S-82		
Brunswick	XF6671	.59
DC-14, DC-21, DC-31	XF6672	.59
14, 21	XF6676	.59
31-AC	XF6678	.59
"D" AVC, 17-24, 25-AC	XF6680	.59
<b>COLONIAL RADIO CORP.</b>		
250, 279, 300, 301, 500, 250-AC, 279-AC, 300-AC, 301-AC	XF6671	.59
44, 50, 46, 47, 48, 73, 76, T-345, C-399, T-397, C-495, 52, 96, 99, 100, 62, 62-E, 96, 91, 92, 75	XF6675	.59
700-AC, 702	XF6680	.59
71	XF6666	.59
32AC	XF6686	1.47
<b>COLUMBIA PHONOGRAPH CO.</b>		
31, 33	XF6672	.59
32, 34, Screen Grid 8	XF6674	.59
SG-10, SG-5, 1930	XF6677	.59
<b>CROSLY RADIO CORP.</b>		
121	XF6668	.59
608, 609, 610, 32, 40, 41, 41-A, 42	XF6670	.59
129-1	XF6670	.59
137, 131	XF6670	.59
122, 123, 124	XF6671	.59
59, 160, 122, 171, 146-1	XF6672	.59
161, 163, 172, 173, 174, 176, 166, 141, 148, 147	XF6672	.59
135	XF6672	.59
155	XF6672	.59
154, 167, 167 Series 2, 159, 189	XF6674	.59
605-AC, 120	XF6674	.59
28, 53, 54, 58, 56, 67, 58, 771, 48	XF6676	.59
90 Auto Resamio	XF6677	.59
53, 26, 55	XF6678	.59
76, 77, 84, 120, 126, 127, 128, 91	XF6679	.59

**NOTE**

Minimum bias plates are standard equipment on all bias controls. Minimum settings of from 100 to 500 ohms are provided, in five steps. Special alloy shaft may be notched, then easily broken at the proper point without the need for cutting with a hack saw.

**FREE:** Write for your copy of the new 120 page Yaxley volume control manual. It contains valuable data on all types of volume control circuits.

Manufacturers	Stock No.	Your Cost
96 auto 100, 146, 175, 134, 134-1, 171-1, 164, 168, 170, 157, 155, 146-1	XF6682	\$0.59
30-S, 31-S, 33-S, 34-S, 63	XF6691	.73
76	XF6692	.59
704, 704-A, 704-B, 705, 706	XF6693	.59
130, 126-1, 132-1, 130-1	XF6689	1.47
<b>EARL RADIO CORP.</b>		
Freshman "C" Early	XF6672	.59
31-DC, 33-DC, Earl 21-DC, 21, 22-AC, 24-DC	XF6679	.59
Later "G" K, K-69-S, L, LS	XF6680	.59
<b>EDISON, THOMAS A.</b>		
Split of "E" 175, M-5, M-6	XF6674	.59
R-200	XF6677	.59
R-6, R-7	XF6680	.59
R-1, R-2, C-2, Chassis Junior JC	XF6684	1.47
R-4, R-5, C-4, R-4-DC, R-5-DC	XF6685	1.47
<b>EMERSON RADIO &amp; PHONOGRAPH CORP.</b>		
AW-50	XF6675	.59
H-5, 50-AW, 33-AW, 250-AW, 321-AW, 350-AW, 420 (V-4) Auto, 409, 410, 411 (A-1), 415, 416, (Mickey Mouse)	XF6676	.59
20-A, 25-A	XF6679	.59
77, 40, 375, 375-LW	XF6681	.59
<b>FREED-EISEMAN RADIO CORP.</b>		
NR-85-AC, NR-80-DC type, NR-80-AC	XF6674	.59
NR-90-S	XF6676	.59
NR-95-AC, NR-78, 79-AC	XF6677	.59
<b>FADA</b>		
51 (K <sub>5</sub> ), 53, 57 (LOC), 45 (KU)	XF6673	.59
265-UA, RP-65-UA, 262 UA, RP-62-UA, 122 (KE) Batt., 75, 77	XF6676	.59
48, 49 (KW), 81, 82, 84, 86 (KB) 42, 44, 46, 41 and 47	XF6680	.59
112, 30Z, 31Z, 50, 70, 71, 72	XF6639	.73
35B, 43	XF6685	1.47
55 (RG), 103 (RL), Fadette	XF6674	.59
"RW" (133, 134, 135), "RU" (131, 132), "RS" (112), "RY" (105, 106, 107), "RX", KY 66 and 66 KY late (above 2000 Serial), "RE" (75, 85) 78-10, 79-10, 97-10, "RA" (74, 76, 83, 88, 89)	XF6681	.59
78, 79	XF6680	.59
	XF6689	1.47
<b>GENERAL ELECTRIC COMPANY</b>		
H-31, H-51, H-71	XF6672	.59
H-91, H-91-R	XF6677	.59
T-41	XF6694	1.76
<b>GENERAL MOTORS RADIO CORP.</b>		
216, 217, 219, 250, 200, 201, P-2, (Batt.) 211, S-9-A, S-9-B, S-1, S-B-1	XF6677	.59
252, 253, 254, 255, 256, 257, 258, 251	XF6680	.59
"MA" Little or General, 110, 180, 190 Little General	XF6685	1.47
120, 130, 140-Chassis A and B	XF6686	1.47
251 (Tone)	XF6677	.59
252, 253, 254, 255, 256, 257, 258, 216, 217, 219, 250 (Tone)	XF6678	.59
<b>GRAYBAR ELECTRIC CO.</b>		
600	XF6668	.59
700, 779, 900	XF6672	.59
678	XF6694	1.76
<b>A. H. GREBE &amp; CO., INC.</b>		
AH-1	XF6669	.59
SK-4 (C)	XF6670	.59

# YAXLEY Volume Controls (Cont'd)

Manufacturers	Stock No.	Your Cost	Manufacturers	Stock No.	Your Cost	Manufacturers	Stock No.	Your Cost
<b>A. H. GREBE &amp; CO., INC. (Cont'd)</b>			60 and 90-A, 47's, 70 and 70-A, 270 and 270-A, No. AVC, 470, 470-D, 20, 20-A, 41, 42-DC, 220, 220-A.	XF6683	\$1.47	R-100-C-DC, 950 Series Batt., 970-DC, 950-DC	XF6687	\$1.47
Synchrophase SK-4, Type 428, Synchrophase AC-6, Type AC 7, 89, "HS-4" (Types 1, 2, 3, 4)	XF6672	\$0.59	<b>RCA VICTOR COMPANY INC.</b>			<b>STROMBERG CARLSON</b>		
SK-4-DC, 79-7 tube	XF6674	.59	110, 111, 115	XF6671	.59	16-DC, 17-DC	XF6669	.59
HS-6, HS-12	XF6687	1.47	210, 310, R-28-P, R-29, R-40, RE-40-P	XF6671	.59	10, 11, 19, 20, 25, 26	XF6669	.59
<b>GRIGSBY-GRUNOW CO.</b>			Radiola 80, 82, 86, RE-16-A, 100, 101, 112	XF6672	.59	52, 54	XF6680	.59
130-A, 230-A	XF6669	.59	R-22-122	XF6672	.59	33 Auto, 48, 49, 51, 64	XF6681	.59
21, 22, 23, Model 20 Chassis	XF6672	.59	R-7, R-7-A	XF6672	.59	12, 14	XF6648	.73
44, 49, 194, 440, 25	XF6673	.59	R-50, R-55, RAE-59, M-30, RE-81, R-74, 76, R-77, R-71, R-72, 300, 141-B, 142-B, 21, 22, 43	XF6677	.59	22, 24, 27	XF6650	.73
55	XF6674	.59	R-27 Premax, P-1, R-17-M, R-18-W, R-27	XF6679	.59	635, 636, 638 (Short Staff) (Double Staff)	XF6652	.59
70-B, 158, 15, 15-B, 35	XF6674	.59	R-35, R-39, RE-57	XF6687	1.47	846, 848, (Double Staff) (Long Staff)	XF6655	.73
370, 400, 400-A	XF6676	.59	R-7, R-70A, R-9, R-4, R-6, Radiola Superette	XF6621	.73	641, 642, 652, 654 (Long Staff) (Double Staff)	XF6651	.73
380	XF6677	.59	R-15, R-48, R-42	XF6694	1.47	38, 39, 40, 41, 37	XF6653	.73
114, 116 Auto (Types 1, 2, 3, 4), 390, 210, 290, 229, 310-A, 310-B (2 types), 3210, 330, 360, 340, 85, 86, 009, 95, 105, Batt. 300	XF6679	.59	R-32, R-52, Re-45, Re-75, RE-154, (Dual)	XF6698	1.47	19, 20, 33 Auto (Tone)	XF6678	.59
460, 461, 463, 66 Auto, 55, 59, 75, 195, 560, 566, 490, 91, 493	XF6679	.59	<b>SILVER MARSHALL</b>			<b>TRANSFORMER CORP. OF AMERICA (CLARION)</b>		
90, 90-B, 100	XF6680	.59	600, 660-B Amplifier, 34-A SM-712, 722-B, Selector Seven 30, 30-B, 60-B, 75-B, 90-B, 722-DC Bearcat Mid-get, 37, 38, 39, 782	XF6669	.59	90, 91, 92, 94, 95, AC-94, 25-C-9	XF6668	.59
60, 61, 62, 160, 163	XF6695	.73	SM-714	XF6677	.59	40	XF6672	.59
30, 50, 52	XF6703	1.47	729-SW, Z-13, Z Deluxe	XF6680	.59	220, 100	XF6672	.59
90, 90-B, 100, 100-B (Equalizer)	XF6697	.88	<b>SPARTON</b>			320	XF6674	.59
<b>HALSON RADIO CORP.</b>			15	XF6669	.59	Clarion Jr. 60, 60 Jr., AC-60, 25-C-60, 51, 53, 55	XF6676	.59
515, 515-SW, 516, Dual Range (LW and BR), 20-B AC-DC, 615-DC	XF6674	.59	45 Visionola, 30, 25, 26, 35	XF6672	.59	422, 423, 425, 440	XF6676	.59
NS-50-20-A-AC-DC	XF6674	.59	600, 610, 620, 235, 589, 27-AC, 29, 750, 564, 737, 574, 670, 5, 9	XF6672	.59	260, 340, 470, 472, 480, 280	XF6681	.59
610	XF6674	.59	931, 301-AC, 79-A, 89, 69, 89-A, 101-103, 109-930, Sparks Ensemble, 101 Automatic	XF6675	.59	<b>U. S. RADIO AND TEL. CORP.</b>		
NS-40-AC-DC	XF6679	.59	61, 62, 71, 71-B, 36 Auto, 33 Auto	XF6677	.59	Gloriatone No. 20, 29	XF6668	.59
<b>INTERNATIONAL RADIO CORP.</b>			79-A, 69-A, 591, 593	XF6679	.73	48, 48-A	XF6668	.59
AW-55	XF6675	.59	410, 750, 870, 931, 420, 430	XF6700	1.47	Gloriatone Early 27	XF6669	.59
JS-Kadette	XF6679	.59	<b>STEINITE</b>			Gloriatone Late 37	XF6673	.59
AB-Kadette	XF6679	.59	No. 26, 28	XF6671	.59	Apex 29, 31, 32, 33	XF6673	.59
F Kadette Jr. (types 3, 4)	XF6681	.59	261, 262	XF6674	.59	Apex 49 Batt. No. 30 Auto	XF6674	.59
F Kadette Jr. (types 1, 2)	XF6682	.59	990, 991, 992, 993	XF6677	.59	Case No. 80	XF6674	.59
<b>KELLOGG SWITCHBOARD &amp; SUPPLY CO.</b>			15, 17	XF6678	.59	Apex 36, 37, 50, 80, 90	XF6674	.59
AC-7, Chassis-B Screen Grid	XF6674	.59	<b>STEWART WARNER CO.</b>			<b>WESTINGHOUSE ELEC. &amp; MFG. CO.</b>		
533, 534	XF6677	.59	No. 530-535	XF6671	.59	WR-5, WR-6, WE-7, WE-8	XF6672	.59
701	XF6678	.59	950 Series, R-100-A, R-100-B, R-100-E, R-100	XF6676	.59	WR-4	XF6694	1.76
<b>COLIN B. KENNEDY CORP.</b>			R-120-EF	XF6680	.59	<b>WHOLESALE RADIO SERVICE CO.</b>		
Royal, 10, 20, 30, 32, 42, 44, 48, 50, 56, 34 Short Wave Short Wave used in 826-B	XF6674	.59	305-310, 315-325, 330-335, 340 Batt.	XF6667	.59	L-20	XF6674	.59
62, 52-A, 80, 66, 66-A, 66-B	XF6680	.59	950-AC, R-100-A	XF6701	.73	M-31, Jr. 1931	XF6674	.59
22	XF6685	1.47	<b>STEWART WARNER CO.</b>			AC-524, Duo Symphonic Lafayette	XF6675	.59
<b>KOLSTER RADIO INC.</b>			No. 530-535	XF6671	.59	L-1	XF6678	.59
950, 961	XF6674	.59	950 Series, R-100-A, R-100-B, R-100-E, R-100	XF6676	.59	Great Duo Symphonic	XF6685	1.47
K-20, 21, 22, 23, 25, 27, 24, 28, 30, 32, 42, 43, 44, 70, 72, 80, 82, 90, 92, B-10, 6-J, 6-R, 6-K	XF6675	.59	340 Batt.	XF6667	.59	<b>ZENITH RADIO CORP.</b>		
K-63, K-73, K-83, K-93, K-103, K-15, Automatic, Screen Grid, B-15, B-16	XF6676	.59	950-AC, R-100-A	XF6701	.73	2004, 10, 11, 12, 102, 112, 122, 80 (Series)	XF6677	.59
C-1, C-2, C-4, C-5, C-6, C-7, 205, 980	XF6680	.59	<b>STEWART WARNER CO.</b>			712, 765, 766, 474, 2056, 2056-1, 460 Auto, 230, 240, 245, 771-AC-DC, 91, 92	XF6680	.59
K-110, K-120, K-122, K-133, K-143, K-114, K-130, K-132, K-113, K-123, K-140, K-142	XF6680	.59	No. 530-535	XF6671	.59	462, 650-HD, 641-HE, 660-TD, 661-TE, 769, 767, 767	XF6680	.59
<b>MONTGOMERY WARD &amp; CO.</b>			340 Batt.	XF6667	.59	475, 770-B, 775-B, 476-B	XF6619	1.47
2822, 2827, 2895, 2897	XF6668	.59	950-AC, R-100-A	XF6701	.73	50, 60, 70 (Series)	XF6619	1.47
62-7, 62-8, 62-9	XF6675	.59	<b>STEINITE</b>			50, 60 (Single unit may be used if desired)	XF6702	.59
62-010	XF6676	.59	No. 26, 28	XF6671	.59	740 (Tone)	XF6678	.59
62-7, 62-8, 62-93, 32-V	XF6676	.59	261, 262	XF6674	.59	<b>YAXLEY Universal REPLACEMENT CONTROLS</b>		
62-38, 62-40, 62-50, Grenadier Recital	XF6679	.59	990, 991, 992, 993	XF6677	.59	All Universal Controls supplied with 4-inch shafts of special alloy. To shorten, just notch with cutters or knife, and break off. All bias controls provided with new minimum bias features; bias may be set from 1 to 500 ohms in five steps. Shaft provided with adapter so that any type of knob (including Philco) may be used. Extension shafts for these controls listed on page 137. Switch easily attached to any control. "WW" indicates wire wound control, "HR" indicates graphite element controls.		
62-89	XF6682	.59	15, 17	XF6678	.59			
<b>NATIONAL CARBON CO. (Eveready)</b>			<b>STEWART WARNER CO.</b>					
30, 40, 44	XF6668	.59	No. 530-535	XF6671	.59			
1 2, 3	XF6671	.59	950 Series, R-100-A, R-100-B, R-100-E, R-100	XF6676	.59			
52, 53, 51	XF6686	1.47	R-120-EF	XF6680	.59			
<b>PHILCO</b>			305-310, 315-325, 330-335, 340 Batt.	XF6667	.59			
Series 511, 51 and 51-A, Series 5-A-C, 82, 86, 53, 48	XF6674	.59	950-AC, R-100-A	XF6701	.73			
15, 15-A and 15-E, 91, (121-221) 91-A, 91-E	XF6679	.59	<b>STEINITE</b>					
Transitone Auto 3, 90 and 90-A, 30-Batt., 490, 211, 211-A, 112 and 112-A, 212 and 212-A, 111 and 111-A, 95, 96, 96-A, 296, 206-A, 3, Auto, 70, 70-A, 90, 90-A, 22-L, 23-X	XF6680	.59	No. 26, 28	XF6671	.59			
800 Auto, 5-Transitone, 89, 19, 47DC (121-221), 54, 43	XF6680	.59	261, 262	XF6674	.59			
15, A-15 and E-15	XF6681	.59	990, 991, 992, 993	XF6677	.59			
71, A-71, E-71, A-91 and E-91	XF6681	.59	15, 17	XF6678	.59			
76	XF6667	.59	<b>STEWART WARNER CO.</b>					

**Every Day is BARGAIN DAY at Wholesale Radio Service Co. Inc.**

World Radio History

# Centralab

## REPLACEMENT

CENTRAL RADIO LABORATORIES

Name and Model	Stock No.	Your Cost
<b>A. C. Dayton Co.</b>		
Navigator.....	XH8843	\$0.59
A. C. Dayton.....	XH8858	.59
<b>All-American Mohawk</b>		
70, 73, 75 - Special.....	XH8345	1.47
93-95 or 90 Series.....	XH8931	.73
"H" Series.....	XH8912	1.22
"J" Series.....	XH8872	.73
"K" Series.....	XH8863	.73
<b>Atwater Kent Mfg. Co.</b>		
33 Series Filament, 81.....	XH8863	.59
61, 61C, 72, 66, H1, H2 "Special".....	XH8723	1.47
67, 67C, Batt. Set 222 tubes 82Q.....	XH8862	.59
"F" Series, L-2, P or 75 Q-2 Series, "Special".....	XH8902	1.47
L-1.....	XH8912	1.22
82D, 84D, 84Q Batt., 89, 89F, SW Type.....	XH8808	.83
188, 223, 260, 467, 246, 266, 612, 627, 812, 448.....	XH8808	.83
430.....	XH8791	.83
480 Auto, "Special".....	XH8698	1.23
469Q, 658Q.....	XH8863	.59
636.....	XH8697	.73
<b>Belmont Radio Corp. (Freshman)</b>		
600 Late.....	XH8808	.83
50C, D.....	XH8816	.83
70 Series.....	XH8819	.83
<b>Bosch</b>		
80-Auto Receiver "Special".....	XH8832	.98
48 and 49 "Special".....	XH8895	1.47
54, 56.....	XH8913	1.22
58, 62 "Special".....	XH8888	.98
54-DC "Special".....	XH8910	1.47
5A, 5B, 7A, 7B, 133.....	XH8961	.83
60, 61, 63 "Special".....	XH8887	.98
29, 31, 52.....	XH8872	.59
73, 74.....	XH8803	.83
43, 49, Early Models - Special Control.....	XH8774	1.47
250, 260, Tone.....	XH8880	.59
<b>Bremer-Tully Mfg. Co.</b>		
14, 21, 31, 81A.....	XH8794	.83
85, 36.....	XH8812	.83
S-81, S-82, 81, 82.....	XH8794	.83
7-A, 7-B, W 81.....	XH8794	.83
<b>Brunswick-Balke-Collender Co.</b>		
S14, S21, S31, S81, S82.....	XH8811	.83
14, 21, 31.....	XH8794	.83
S-32 Cavac.....	XH8804	.83
11, 12, 16, 33.....	XH8793	.83
D.....	XH8863	.59
<b>Colonial Radio Corp.</b>		
31DC.....	XH8758	.59
SG-32 AC, 33AC "Special".....	XH8719	1.73
46, 43, 44, 47, 47E Tone Control.....	XH8740	.73
44, 47, 49, 50.....	XH8961	.83
<b>Columbia Radio Corp.</b>		
Screen Grid 8 "Special".....	XH8934	1.23
SG-5, SG-7.....	XH8874	.59
SG-9.....	XH8858	.59

**FREE**

Volume Control Guide will be sent with orders of three or more CRL Cotrols. The revised listing of Centralab volume controls that the serviceman has been waiting for. This list consists of "Specials" that are manufactured and built for the particular set that it is intended for, no changes necessary to install these units. You may order by our stock number; or specify the Centralab number if you wish. A complete line of Centralab volume controls and by-products carried in stock.

Name and Model	Stock No.	Your Cost
<b>Columbia-Kolter</b>		
C1, C2, C3, C4, C6, C6, C7, 980.....	XH8874	\$0.59
902, 961.....	XH8860	.59
950.....	XH8858	.59
960.....	XH8842	.59
<b>Crosley Radio Corp.</b>		
40S, 41S, 42S, 82S, Early Models and 71-A.....	XH8847	1.22
40S, 41S, 42S, 82S, Late Models Specify CRL No.....	XH8896	1.22
30S, 31S, 34S, 34S, 40S, 41S, Single Control.....	XH8851	.73
Buddy, Chum.....	XH8876	.59
ACT, ACTC.....	XH8876	.59
53, 54, 57 (New Buddy).....	XH8840	.59
400, 410, 420.....	XH8869	.59
Midget 48.....	XH8865	.59
Johnny Smoker, Super Buddy 122.....	XH8931	.59
126, 55, Long Shaft, "Special".....	XH8855	.98
52, 23, Long Shaft, "Special".....	XH8853	.98
55, Short Shaft.....	XH8862	.59
56, Short Shaft.....	XH8861	.59
75, 76DC, 77, 84, Special.....	XH8854	.73
120.....	XH8961	.98
124, 125 Midget Super S. Type.....	XH8793	.83
605, 615, 625.....	XH8852	.83
127, Tone 128, Tone 126-1.....	XH8824	.83
Tone 127.....	XH8874	.59
48.....	XH8794	.83
127-1.....	XH8879	.59
141, Sent. 140-1.....	XH8813	.83
133.....	XH8873	.59
128.....	XH8859	.59
146.....	XH8836	.59
146-1.....	XH8836	.59
704-706-705.....	XH8785	.98
<b>Edison &amp; Spltford</b>		
R4, R5, C4, Special Twin, Early Models.....	XH8297	.98
R6, R7, Early Model, C. T. Control, Special.....	XH8330	1.47
R6, R7, R4, R5, C4, Late Models, Twin Control.....	XH8397	.98
<b>Eveready</b>		
1, 2, 3.....	XH8862	.59
30, 40 Series.....	XH8865	.59
50 Series, Original.....	XH8892	1.47

Name and Model	Stock No.	Your Cost
<b>Fada</b>		
35C, 35B, 40AC, Original Control.....	XH8898	\$1.47
25, 25Z, 15M, 15MZ, Special Shaft.....	XH8932	.98
20, 20Z, Special Shaft.....	XH8889	.98
75, 77, 35, 35Z, Special Shaft.....	XH8962	.98
43, 76Z, KP, KG.....	XH8775	1.47
122-KE.....	XH8869	.59
KA-41, 42, 44, 46, 47, 86DC.....	XH8874	.59
KW-43, 49, Sw. Type.....	XH8808	.98
K. U. 45, 51, 53, 57, Sw. Type.....	XH8817	.83
RC 78, 79.....	XH8699	.83
RL Fadelette.....	XH8815	.83
<b>General Electric Co.</b>		
H31, H51, H71.....	XH8867	.59
S-22, S-22X-S-42.....	XH8867	.59
T-12.....	XH8877	.59
<b>General Motors Radio</b>		
A Chassis, Models 120, 130, 140, 150, 160.....	XH8899	1.47
M. A. Midget, 110, 190.....	XH8913	1.22
M. A. Midget, 110, 190, Tone Control.....	XH8872	.59
A Chassis, Models 120, 130, 140, 150, 160 Tone Control.....	XH8833	.98
S9A, 211, S9B.....	XH8806	.83
S10A, S10B, 220.....	XH8818	.83
S2B, 251, S2A.....	XH8817	.83
S8A, S2B, S2A, Tone Control.....	XH8880	.59
216, 217, 219, 250, Midget Set, 1951.....	XH8861	.59
S1A, 216, 217, 219, 250, 1932.....	XH8806	.83
S3A, S3B, 252, 253, 254, 255, 256, 257, 258.....	XH8817	.83
<b>Graybar Electric Co.</b>		
700, 770, 900, 8-Midget.....	XH8867	.59
678.....	XH8905	1.22
Graybarette.....	XH8860	.59
<b>A. H. Grebe &amp; Co. Inc.</b>		
428 Synchrophase AC-6; Synchrophase AC-7.....	XH8842	.59
AH-1.....	XH8859	.59
Early Synchrophase SK-4 AC AC.....	XH8900	1.47
SK4-DC.....	XH8811	.83
HS4-1, 2, 3, 4.....	XH8813	.83
<b>All Centralab controls for Majestic sets exactly duplicate the original, both physically and electrically. No changes necessary to install.</b>		
<b>Grigsby-Grunow (Majestic)</b>		
60, 70, 70B.....	XH8972	.62
100, 181.....	XH8766	.98
50 Series.....	XH8903	.98
90, 91, 92, 180, 181, 321, Equalizer on Condenser.....	XH8930	.83
90 Series, 9P-5.....	XH8767	.62
30, 31, 131, 132, 233.....	XH8923	1.22
100 Series, 100B.....	XH8768	.98
140A.....	XH8660	.62
230A.....	XH8923	.98
20 Series.....	XH8659	.83
60 Series, 160.....	XH8769	.61
120 Series.....	XH8770	.98



### Combination "L" Pad

Bakelite Case 2" x 1 1/2" x 1 1/2" Long. Shaft 1/4" x 1/2" long. Shaft grounded to series resistances. A wire-wound and tapered graphite control providing constant impedances to the line. Recommended for low impedance systems, such as output control of modulator power not exceeding 4 watts and input to small public address systems. Illustrated above without cover to show construction. Stock controls have metal cover.

Stock No.	C.R.L. No.	ACS. Ohms	Your Cost
XH8975	96-004	15000	<b>\$1.95</b>
XH8956	96-003	10000	
XH8955	96-002	5000	
XH8959	96-007	5000	
XH8958	96-006	200	
XH8976	96-008	100	
XH8957	96-005	50	
XH8954	96-001	10	

List Price \$5.00  
Your Cost Each



### Power "L" Pads Commercial Type

Employed in output circuits where the amount of power does not exceed 10 watts. Commonly used as a series coil control of Dynamic Speakers. The unit provides constant impedance to the line and thus, when used in multiple circuits, does not disturb the adjustment of other sections of the same circuit. The resistances can be wire-wound for maximum power rating and housed in the same moulded Bakelite case as the T Pad. Provides single or three-hole mounting. Diameter of control 3 1/2". Depth of control 2" approximately.

Stock No.	C.R.L. No.	Resistance	Your Cost
XH8953	94-001	Resistance 100 ohms	<b>\$2.45</b>
XH8952	94-002	Resistance 50 ohms	
XH8951	94-001	Resistance 15 ohms	

List Price \$5.00  
Your Cost Each



### Giant Type "L" Pad

The Giant Power "L" Pads consist of two heavy wire-wound sections of large dimensions. These units are recommended for installations in systems where the output exceeds 10 watts. These units provide a means of control which maintains a constant impedance upon the line, and may thus be operated in multiple without disturbing the adjustment of other circuits obtaining energy from the same line. Unit provides single hole mounting. Diameter of unit 2". Depth of unit 2 1/2" approximately. The resistance specified is the equivalent line impedance.

Stock No.	C.R.L. No.	Resistance	Your Cost
XH8765	47-209	Resistance 50 ohms	<b>\$2.45</b>
XH8764	47-208	Resistance 15 ohms	

List Price \$5.00  
Your Cost Each



# Volume Controls



Name and Model	Stock No.	Your Cost
<b>Grisby-Grunow Majestic Contd.</b>		
15, 15B, 150	XH8797	\$0.83
15, 15B, 150-Tone Control	XH8738	.61
75 Series	XH8799	.83
200, 201, 202, 203, 204	XH8650	.61
200, 201, 203, 204-Tone	XH8651	.83
200, 300, 300A, 310A, 310B	XH8652	.61
200, 411, 411A, 413, 413A	XH8653	.83
440	XH8654	.83
460	XH8655	.61
490	XH8656	.61
500	XH8824	.83
570	XH8657	.61
600	XH8658	.83
800	XH8879	.61

Name and Model	Stock No.	Your Cost
<b>Colin B. Kennedy Corp.</b>		
12 S.G., 10, 20, 30B, "Special"	XH8928	1.47
"Royal"	XH8863	.59
4, 30 and 32, 50-52-56	XH8872	.59

Name and Model	Stock No.	Your Cost
<b>Kolster Radio Corp. Columbia (Phono.)</b>		
K20, 22, 25, 27	XH8838	.59
K-21, 24, 28, 25, K30, 32	XH8860	.59
60 Series	XH8813	.83
70, 80, 90 Series AVC	XH8818	.83
100 Series	XH8807	.83
K42, K43, K44, K45	XH8926	1.47

Name and Model	Stock No.	Your Cost
<b>Montgomery-Ward</b>		
1522, 1562	XH8931	.59
2955, 2957	XH8913	1.22

Name and Model	Stock No.	Your Cost
<b>Philco</b>		
65	XH8866	.59
511, 512, 513, 514, 515, 521, 531, 541, 551, 561, 671, 581, 82, 86, 87	XH9015	.73
78, 77, 77A, 70 Series	XH8913	1.22
20, 20A, 220	XH8771	.93
30, 96, 96A, 11, 11A, 211, 211A, 296, 296A, 111, 112, 212, 51, 52, 551	XH9014	.63
71, 91, 121, 75	XH8772	.49
80-Midget	XH8773	.59
95	XH9016	.73

Name and Model	Stock No.	Your Cost
<b>R. C. A. Victor</b>		
42, 48, R14, R15, RE-17	XH8905	1.22
R32, RE45, R52, RE75	XH8911	1.22
RE85, RE89, RE57, RE73	XH8904	1.22
R7, R7A	XH8867	.59
R7, Tone Control	XH8744	.59
R7A, R11, RE18, Tone Control	XH8880	.59
R-50, R55	XH8861	.59
R50, R55, Tone Control	XH8863	.59
R57, 82, 86, Tone Control	XH8875	.59
80, 82, 86	XH8867	.59
R74, R76, R77, R72, RE20	XH8875	.59
Tone RC21, RE20	XH8863	.59
R4, R6	XH8868	.59
Tone R4, R6, Tone R8, R12	XH8820	.83
R8, R12	XH8693	.73
R11, R18, RE18A, RE19	XH8693	.73

Name and Model	Stock No.	Your Cost
<b>Tone R11, R26</b>		
R26	XH8824	\$0.83
R-17M	XH8693	.73
R-18W	XH8691	.83
R22	XH8691	.83
R27	XH8813	.83
R26P	XH8691	.83
Tone R37, R38, Tone R70	XH8811	.83
R37, R38, Special	XH8808	.83
RE40P	XH8690	.85
R70	XH8811	.83
	XH8843	.59

Name and Model	Stock No.	Your Cost
<b>Silver-Marshall Inc.</b>		
650	XH8762	.59
4, SM-730 Around the World	XH8840	.59
740 AC Coast-to-Coast	XH8866	.59
714	XH8843	.59
301B, 60B, 75B, 9511	XH8843	.59
770	XH8844	.59
T10, SM1600	XH8863	.59
R37, R38, 782	XH8793	.83
683, A, F, D, EG, J, 710, 773	XH8868	.59
R5	XH8807	.98

Name and Model	Stock No.	Your Cost
<b>Sparks Withington Co. (Sparton)</b>		
62, 63, 110, 110 De Luxe	XH8840	.59
Sparks Ensemble, 600, 610, 620, 89A	XH8844	.73
931, 301	XH8865	.59
101-103-55-109	XH8931	.59
301, 589, 574, 737	XH8840	.59
591-593	XH8793	.83
5 & 9	XH8793	.83

Name and Model	Stock No.	Your Cost
<b>Steinite Radio Co.</b>		
Midget 21, 23	XH8790	.98
Midget	XH8840	.73
421, 425 or 21, 203, 600, 605, 630, 635, 642, 643	XH8961	.59

Name and Model	Stock No.	Your Cost
<b>Stewart-Warner Corp.</b>		
500, 520, 525, 806	XH8841	.59
530, 535	XH8839	.59
700, 705, 710, 900 Series	XH8727	.73
"Special"	XH8860	.59
801-802	XH8840	.59
811	XH8913	1.22
970-AC-980	XH8876	.59
305, 315, 320	XH8931	.59
300, 310, 325	XH8931	.59
R-104-A, B, E, 106, 108, 108X, 111AC and DC	XH8808	.83
Tone R104A, B, E	XH8875	.59
105 Volume	XH8875	.59
Tone R105	XH8825	.83
106 Sent. 108, 108X Sent.	XH8816	.83
112 Auto	XH8809	.83
110 A and E	XH8809	.83

Name and Model	Stock No.	Your Cost
<b>Stromberg-Carlson Tel. Mfg. Co.</b>		
523, 524, 744B, 744B	XH8861	.73
635, 636, 601, 602, 633, 634, Long Shaft	XH8885	.73
601, 602, 652, 634, 635, 636, 638, Double Shaft	XH8886	.73

Name and Model	Stock No.	Your Cost
19, 11	XH8865	\$0.59
12, 14, Automatic Volume Control	XH8863	.59
641, 642, 652, 653, 846-848, Long Shaft	XH8883	.73
641, 642, 652, 654, Double Shaft	XH8884	.73
12, 14	XH8687	.73
22, 24	XH8686	.73
25-Tone and Volume	XH8808	.83
48	XH8685	.83
52	XH8825	.83

Name and Model	Stock No.	Your Cost
<b>Transformer Corp. of America (Clarion)</b>		
55	XH8684	.73
56, 260, 275-260	XH8819	.83
Tone 27-240, 260, 275-260	XH8825	.59
Tone 260, 300, Tone 220	XH8825	.83
94, 25-94	XH8821	.83
Tone 94, 25-94	XH8817	.83
100, G102	XH8788	.83
160, 25-160	XH8810	.83
220	XH8838	.59
241, 240, 25-240, 360	XH8874	.59
300, Special	XH8683	.86

Name and Model	Stock No.	Your Cost
<b>U. S. Radio &amp; Television (Apex)</b>		
Gloritone 26	XH8871	.59
26-B, P-20M	XH8871	.59
29	XH8931	.59
31 Series	XH8793	.83
Midget 32-52A, 34B, 49	XH8873	.59
28 Series	XH8876	.59
7-A and 7-B	XH8863	.59
8 and 10 Series	XH8874	.59
Midget 27 Series, Late	XH8961	.83
46, 46A, 47, 47A, 48, 48A	XH8876	.59

Name and Model	Stock No.	Your Cost
<b>Westinghouse</b>		
WR-4	XH8905	1.22
WR-5, 6, 7, 8, 10-A	XH8867	.59
WR-14	XH8877	.59

Name and Model	Stock No.	Your Cost
<b>Zenith Radio Corp.</b>		
52, 522, 53, 532, 54, 542, 57, 60 Series, 70, 102, 112, 212, 10, 11, 12 Special 122	XH8862	.98
70 Series, 50, 60, 70, 71, 72, 73, 77, 712, 722, 732, 772 (Later types) Special (Dual)	XH8924	1.47
"Zenette" AH, CH, RH, No. 30	XH8793	.83
10, 11, 12, 102, 112, 212, 70, 2009	XH8802	.80
70X, 80	XH8803	.83
L. P.	XH8861	.59
Tone 70 Series 2012	XH8793	.83
Tone 75, 2047, 2051	XH8874	.59
Tone 2017, 2018, 2022	XH8875	.59
Tone 2014	XH8841	.59
2021, 2018	XH8793	.83
2024, 2022, 2047, 2050	XH8793	.83
2014	XH8824	.83
2017	XH8682	1.47
2014, 2017 Noise	XH8681	.73
2044, 2053, 2054	XH8865	.59
2047	XH8694	.59

**CENTRALAB**

**Power Rheostats**

Ideal for use as motor speed controls, charging rate regulators, etc. All metal frame and core insulated with treated asbestos. All 2" in diameter.

<b>25-Watt Units</b>					
Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
XH8977	2	\$0.98	XH8981	150	\$0.98
XH8978	6		XH8982	400	
XH8979	15		XH8983	1000	
XH8980	50		XH8984	5000	
<b>50-Watt Units</b>					
Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
XH8987	25	\$1.22	XH8996	500	\$1.22
XH8988	60		XH8991	1000	
XH8989	150		XH8992	5000	
<b>75-Watt Units</b>					
Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
XH8995	30	\$1.47	XH8998	500	\$1.47
XH8996	150		XH8999	1000	
XH8997	300				

**NOTE**

Space limitations prevent listing every CRL volume control. We can furnish any unit made by Centralab at a discount of 50% and 25% from the list price.

**CENTRALAB**

**Constant Impedance "T" Pad**

A network of three resistances housed in a large dust and moisture-tight case. Two wire-wound sections offer constant resistance to the input and output circuit while a tapered graphite section provides smooth attenuation of volume level. Bakelite case 3 1/2" x 1 1/2" deep. Furnished with Bakelite knob. Especially designed for use in P. A. work.

Stock No.	Resistance	Stock No.	Resistance
XH8950	5000 ohms	XH8947	100 ohms
XH8944	1500 ohms	XH8948	50 ohms
XH8945	500 ohms	XH8949	15 ohms
XH8946	200 ohms		

**Your Cost Each \$3.43**

**CENTRALAB**

**Phonograph Pick-up Fader for Two-Turn Tables**

This control is made up of a potentiometer with an extra lug contact located at the center of the resistances. It provides both volume control and a fade-over switch for two phonograph pick-up and turn tables. The resistance catalogue are the resistance of each half of the control rather than the total resistance of the potentiometer. Enclosed in dustproof bakelite case 2 1/2" x 1 1/2" long. Shaft is 1/2" long. Bushing 3/16" long. Shaft and bushing fully insulated from all terminals. Ring hole mounting. This unit can also be used for fading any two inputs into a mixer or amplifier providing the correct control is chosen according to the impedance of the input devices.

Stock No.	Resistance of each half of the Control	Your Cost Each
XH8829	100,000 ohms	\$1.95
XH8827	50,000 ohms	
XH8828	25,000 ohms	

# VOLUME CONTROL Specials

## Filtermatic Octave Tone Control



Grid circuit type eliminating danger of current breakdown. Quieter in operation than plate circuit type where variable resistor is used. Capacity varies from 50 mmfd. to .006 mfd. in seven gradual steps producing a smooth tone taper from a high brilliant treble to a low booming bass. Sturdily constructed using bronze plates, mica dielectric and bakelite case. For a single stage it is connected across the secondary of the audio transformer; in a push-pull stage across the two grids; in the case of resistance or impedance coupled amplifiers across the grid leak. Shpg. wt. 8 oz.

**XF6840**—Without switch. **39¢**  
Your Cost.....  
**XF6841**—With switch. **58¢**  
Your Cost.....

## Octave Tone Control Table Model

In this unit, the Octave tone control is enclosed in a crystalline finish metal case. Size 3 1/4" in diameter, 2 1/2" high. Has 36 well insulated flexible braided leads. Socket wafers are insulated, and are supplied fit either 4 or 5-prong tubes. Instruction furnished. Shpg. wt. 2 lbs.  
**XF6839**—  
Your Cost..... **86¢**



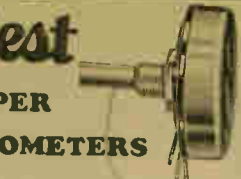
## RADIOLA Volume Control Strips

Repair the old volume control by installing a new resistance strip in place of the defective one.  
For Models 18, 33 and 51  
**XF7670**—2000 ohms.  
For Models 44, 46, 47, 64.  
**XF7671**—3000 ohms.  
For Models 60 and 62.  
**XF7672**—450 ohms.  
For Model 66.  
**XF7673**—550 ohms.  
For Model 64.  
**XF7674**—1250 ohms. **24¢**  
Your Cost Each.....  
In Dozen Lots..... \$2.50

## Trutest TRU-TAPER POTENTIOMETERS



With Switch **42¢**  
Your Cost



Without Switch **29¢**  
Your Cost

An entirely new line of fine quality volume controls at prices that are truly phenomenal. Extra hard carbon composition elements used in conjunction with a new multi-point wiping contact arm assure long and satisfactory service. Each and every unit, as the name "Tru-Taper" implies, is correctly tapered for the circuit for which it was designed. Shafts extend 1 1/2" from control. Provided with bushings. Frames are of bakelite with metal dust covers. One of the eleven types shown in the listing will take care of any volume or tone control requirement.

Stock No.		Resist.	Circuit
With Switch	Without Switch	in Ohms	
XH9070	XH9081	1000	Antenna Shunt
XH9071	XH9082	2000	Antenna Shunt, "C" Bias
XH9072	XH9083	5000	Antenna Shunt
XH9073	XH9084	10000	Antenna Shunt, "C" Bias and Ant.
XH9074	XH9085	25000	Antenna Shunt, "C" Bias and Ant.
XH9075	XH9086	50000	Screen Voltage or Tone Control
XH9076	XH9087	75000	"C" Bias Control
XH9077	XH9088	100000	Screen Voltage or Tone Control
XH9078	XH9089	250000	Audio Shunt or Tone Control
XH9079	XH9090	500000	Audio Shunt or Tone Control
XH9080	XH9091	1 Megohm	Audio Shunt or Tone Control

## Trutest Exact Duplicate Controls

**For VICTOR Models**  
R-32  
RE-45  
R-52  
RE-75  
Fits chassis exactly. A noiseless control. Dual unit 3800 3800 ohms.  
**XH9094**—  
Your Cost Each..... **88¢**



**For ZENITH Models 70 Series—Late Type**  
Used in models 50, 60, 70, 71, 72, 73, 77, 712, 722, 723 and 772. Later types, dual control. Complete with switch. Resistance of sections 11,500 ohms and 110,000 ohms.  
**XH9095**—  
Your Cost Each..... **\$1.45**



**For RCA-Victor models 42, 48, R-14, R15, R-17.** Dual volume control: front section, 10,000 ohms; rear, 25,000 ohms.  
**XH9093**—  
Your Cost Each..... **\$1.15**

**PHILCO 20, 20A and 220**  
Exact duplicate. Similar in appearance to above. 285-5000 ohms. Bakelite case.  
**XH9092**—  
Your Cost Each..... **79¢**

**For ZENITH 50 Series**  
Single control with switch. Used in models 52, 53, 522, 532, 54, 55, 57, 62, 60, 61, 64 and 67. Fits the chassis exactly; no changes necessary to install.  
**XH9096**—  
Your Cost Each..... **90¢**

## Genuine GENERAL MOTORS Volume Controls

Models S4A-S4B Chassis 290-291  
**XH9054**—Volume control and switch. Genuine G. M. Part No. 1204615. Resistance 200,000 ohms. Shpg. wt. 1 lb.  
**For Models S2A-S3A**  
Chassis 251 to 258  
**XH9056**—Similar to above. Genuine Part No. 1204177. Rheostat, 10,000 ohms. Shpg. wt. 1 lb.



**For Model S1A Chassis 216-217-218-219-250**  
**XH9053**—With switch, similar above. Genuine Part No. 1204176. 5,000 ohms. Shpg. wt. 1 lb.  
Your Cost, Any Above Types..... **75¢**

**Models S9A-S9B Chassis No. 211.** Genuine Part No. 1206585. Has built-in power switch. Resistance 45,000 ohms. Shpg. wt. 1 lb.  
**XH9055**—  
Your Cost Each..... **75¢**



**Models S10A-S10B Chassis No. 220**  
Genuine Part No. 1206795. Resistance 12,500 ohms. With switch. Shpg. wt. 1 lb.  
**XH9057**—  
Your Cost Each..... **75¢**

**Model A 120, 130, 140, 150-160**  
Part No. 1202419. Forsets with serial numbers above 29,100. Resistance 15,000 and 4000 ohms. Shpg. wt. 1 lb.  
**XH9052**—  
Your Cost Each..... **98¢**



**For Model MA, Chassis 110, 180, 190**  
Part No. 1202259. Resistance 15,000 and 5000 ohms. Shpg. wt. 1 lb.  
**XH9050**—  
Your Cost Each..... **98¢**

# Genuine Controls for RCA RADIOLA Receivers

## Volume Control for RCA-Victor Models R-50 and R-55



G. E. Models H-32, H-72; Graybar Model GB-100. The genuine replacement volume control, part No. 7260.  
**XF6786**—  
Your Cost..... **49¢**

## Tone Control for Victor Model RE-73

The genuine Victor replacement part No. 10813. Tone control with mounting nuts. Shpg wt. 8 oz.  
**XF6787**—  
Your Cost..... **49¢**



## Genuine Radiola Controls RCA Model 16

Part No. 7666, Filament Rheostat.  
**XF6775**—  
Your Cost..... **35¢**

**Models 44-46-47**  
Part No. 6005, 2900 ohms Volume Control. Special slotted shaft.  
**XF6776**—  
Your Cost..... **65¢**

**Models 60 and 62**  
Part No. 5811, 450 ohms, Volume Control.  
**XF6777**—  
Your Cost..... **75¢**

**Model 66**  
Part No. 6027, 550 ohms, Volume Control.  
**XF6778**—  
Your Cost..... **75¢**



## Original Control for RCA 42-48 Victor R14, R15, RE17 GE T41, Graybar 678, Westinghouse WR4, RC3

This control is a big wire wound dual unit and was furnished by RCA as a replacement for the original carbon strip type. It is used without the bridging brown and white resistor.  
Shpg. wt. 1 lb.  
**XF6589**—  
Your Cost..... **\$1.75**

**Model 64**  
Part No. 2394, 2750 ohms, Sensitivity Control.  
**XF6779**—  
Your Cost..... **75¢**

**Model 64**  
Part No. 2396, 1250 ohms, Volume Control.  
**XF6780**—  
Your Cost..... **49¢**



# STANDARD TYPE VOLUME CONTROLS

## Centralab

### Improved Radiohms

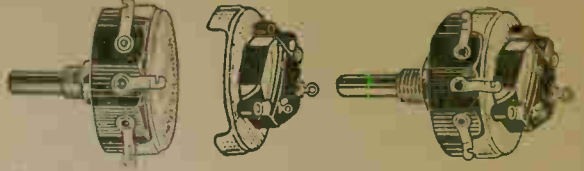


Centralab Radiohms carry ample current for any ordinary volume control circuit if the proper taper is selected, regardless of whether the original control was wire-wound or carbon. Radiohms employ the patented non-rubbing contact that always turns smooth without wear. No other control gives you resistance taper so carefully adjusted for proper attenuation. Case diameter of all units 1 1/2", extend 1" behind panel. Shaft 2 1/4" long, milled flat. Power switch, made by C-H, is approved by the Underwriters Laboratories.

Stock No.	C.R.L. No.	Circuit	Resist. Ohms.
XH8876	72-118	Voltage Divider	500
XH8865	72-107	Voltage Divider	1,000
XH8859	72-101	Voltage Divider	2,000
XH8866	72-103	Voltage Divider	4,000
XH8867	72-109	Voltage Divider	800
XH8868	72-110	Voltage Divider	800
XH8842	70-204	Antenna Shunt	00
XH8872	72-114	Antenna, C-Bias	06-
XH8871	72-113	Antenna, C-Bias, 1 tube	08-
XH8843	70-205	Antenna, C-Bias, 2-tube	69-
XH8858	72-100	Antenna Shunt	10,000
XH8873	72-115	Antenna, C-Bias	15,000
XH8931	72-117	Antenna, C-Bias	15,000
XH8877	72-119	Antenna, C-Bias	20,000
XH8869	72-111	Voltage Divider	25,000
XH9931	72-133	C-Bias	25,000
XH9932	72-206	C-Bias	25,000
XH8860	72-102	Antenna Shunt	25,000
XH8861	72-103	Voltage Divider	50,000
XH875	72-117	Tone Control	50,000
XH9033	72-123	Tone Control	75,000
XH8840	70-202	C-Bias	75,000
XH8862	72-104	Voltage Divider	100,000
XH8870	72-122	Audio Grid or Tone	100,000
XH8878	72-120	Audio Grid or Tone	200,000
XH8894	72-131	C-Bias	200,000
XH8879	72-121	Audio Grid or Tone	250,000
XH8463	72-195	Audio Grid or Tone	500,000
XH8464	72-196	Voltage Divider	500,000
XH8441	70-203	Series in R.F. Plate	500,000
XH8474	72-116	Audio Grid or Tone	1,000,000
XH8896	72-132	Audio Grid or Tone	3,000,000

Any Type Your Cost Each ..... **59¢** Switch Cover Plate Your Cost ..... **24¢**

## CLAROSTAT Ad-A-Switch Wire Wound Volume Controls and Switch Coverplates



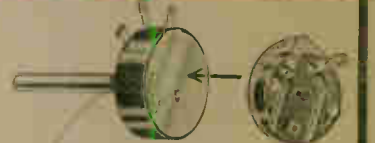
The plain dust-guard coverplate can be pried off, and a roller action plate put in its place to convert to a switch type unit.

Stock No.	Resist. Ohms	Current Carrying Cap. Ma.	Taper For, or Suggested Use	Your Cost
XF7099	50	250	Standard potentiometer	<b>41¢</b>
XF7098	100	180	Standard potentiometer	
XF7097	200	125	Standard potentiometer	
XF7096	500	100	Standard potentiometer	
XF7095	1000	85	Standard potentiometer	
XF7094	500	80	Standard potentiometer	
XF7093	750	65	Standard potentiometer	
XF7092	1000	55	Standard potentiometer	
XF7091	1000	40	For unlined antenna control	
XF7090	2000	40	Standard potentiometer	
XF7089	2000	25	For untuned antenna control	
XF7088	2600	25	For "C" bias control	<b>47¢</b>
XF7087	3000	30	Standard potentiometer	
XF7086	5000	20	For combined ant. and "C" bias	
XF7085	3000	20	For "C" bias control	
XF7084	5000	25	Standard potentiometer	
XF7083	5000	17	For combined ant. and "C" bias	
XF7082	5000	17	For "C" bias control	
XF7081	7500	20	Standard potentiometer	
XF7080	7500	14	For combined ant. and "C" bias	
XF7079	7500	14	For "C" bias control	
XF7078	10000	17	Standard potentiometer	<b>52¢</b>
XF7077	10000	12	For ant. or R.F. cut control	
XF7076	10000	12	For combined ant. and "C" bias	
XF7075	10000	12	For "C" bias control	
XF7074	10000	12	For screen grid voltage	
XF7073	15000	14	Standard potentiometer	
XF7072	15000	11	For combined ant. and "C" bias	
XF7071	15000	11	For screen grid voltage	
XF7070	20000	12	Standard potentiometer	
XF7069	20000	10	For "C" bias control	
XF7068	25000	11	Standard potentiometer	
XF7067	30000	11	Standard potentiometer	
XF7066	40000	10	Standard potentiometer	
XF7065	50000	9	Standard potentiometer	

Switch Type Coverplate ..... **30.25**

# New ELECTRAD Volume Controls

These new Electrad units are superior in principle, design and performance to the old style controls. The newly perfected graphite resistance element is baked at high temperature to the flat outer surface of a molded bakelite ring. This provides a solid base and rigid anchorage for the resistance element which cannot flex or warp out of line with the contact arm. The element is highly resistant to humidity, and is thus ideal for use in damp climates. The contact shoe is a highly polished alloy, held by a long bronze tension spring. All controls are housed in **Moulded Bakelite Cases**, with **Metal End Covers and Aluminum Shafts**. They are more compact than the old style units, extending only 1/2" inside the panel mounting.



The new type power switch, **Approved by the Underwriters** may be readily added or detached. By merely removing the screw holding the end cover, the cover is removed and the switch placed on in the same position and held in place by the same screw.

Stock No.	Mfrs. No.	Taper Readings in Ohms	Finish		
No.	No.	Start			
XG7905	204w	Open-10	5	2.5	0
XG8072	289w	0	Uniform		20
XG8128	270w	0	Uniform		50
XG8129	271w	0	Uniform		50
XG8068	272w	0	Uniform		100
XG7915	273w	0	Uniform		200
XG7916	274w	0	Uniform		400
XG7923	282w	0	Uniform		600
XG7917	275w	0	Uniform		800
XG7918	276w	0	Uniform		1,000
XG7909	232w	0	Uniform		2,000
XG7910	233w	0	Uniform		3,000
XG7919	277w	0	Uniform		4,000
XG7911	234w	0	Uniform		5,000
XG7920	278w	0	Uniform		1,200
				2,700	3,000

Stock No.	Mfrs. No.	Start	Taper Readings in Ohms	Finish
XG8083	560	0	350	7,500
XG7924	283	0	Uniform	10,000
XG7912	240	0	20	9,000
XG8091	575	12,000	5,000	1,000
XG7902	201	0	300	2,000
XG7921	275	0	Uniform	25,000
XG7922	280	0	1,500	6,000
XG7913	341	0	800	2,000
XG7906	205	0	Uniform	15,000
XG7903	202	75,000	25,000	2,000
XG7914	342	0	6,000	25,000
XG8125	281	0	Uniform	50,000
XG7908	205	0	15,000	60,000
XG7904	203	0	2,000	20,000
XG7907	206	0	60,000	250,000
				500,000
				1,000,000

Your Cost, Any Type, Switch Type, Fin. 41 Type **59¢**  
**21¢**

We Will Not Know World Radio History Be Undersold

# Truest Super-Het COIL KITS

## 5 Tube Long Wave & Broadcast Superheterodyne Kit—200 to 600 & 1000 to 2000 Meters

For A.C.-D.C. Operation  
Uses 6A7, 6D6, 75, 43, 25Z5



A Super-Het Coil Kit especially designed for European customers and those desiring the most complete information in building receivers in a kit of this type. The longest band covers the standard American broadcast frequencies; the Short Wave band, from 18 to 50 meters, covers the important European broadcast stations and also the most popular American short wave stations. This unusually easy to build kit is designed for broadcast station frequency coverage. This method of "local conversion" makes this an unusually simple receiver to build, and also unique for its excellent performance. Circuit employs a 2A5, a 6A7, a 2A7, a 2A1 and an 800 ohm transformer. The following coils are included: 1. Input Transformer; 2. Tuning Indicator; 3. Output I. F. Transformer; 4. Special Broadcast and Short Wave Oscillator Coil; 5. Three Trifilar Condensers.

Both schematic and pictorial diagrams included in kit, 25 highly efficient receivers. Slip, wt. 5 lbs.  
**XH10152** Complete Coil Kit, low variable condenser. **\$5.25**  
 Your Cost  
**XH10153** Same as above, but with Special Truest Two Gang Variable Condenser. Slip, wt. 6 lbs. **\$6.65**  
 Your Cost

## 5 Tube Short Wave & Broadcast Superheterodyne Kit—18 to 55 & 200 to 600 Meters

For A. C. Operation Uses 2A7, 58, 2A6, 2A5, 80



This kit is designed to build—easy to operate—highly satisfactory in performance, truly an unusual combination in a kit of this type. The longest band covers the standard American broadcast frequencies; the Short Wave band, from 18 to 55 meters, covers the important European broadcast stations and also the most popular American short wave stations. This unusually easy to build kit is designed for broadcast station frequency coverage. This method of "local conversion" makes this an unusually simple receiver to build, and also unique for its excellent performance. Circuit employs a 2A7, a 58, a 2A7, a 2A1 and an 800 ohm transformer. The following coils are included: 1. Input Transformer; 2. Tuning Indicator; 3. Output I. F. Transformer; 4. Special Broadcast and Short Wave Oscillator Coil; 5. Three Trifilar Condensers.

Both schematic and pictorial diagrams included. Slip, wt. 4 lbs.  
**XH10154** Complete Kit, low variable condenser. **\$3.95**  
 Your Cost  
**XH10155** Complete Kit with Special Truest Two Gang Variable Condenser. Slip, wt. 6 lbs. **\$4.95**  
 Your Cost

## 5 Tube Broadcast Super-Het Essential Coil Kit—200-600 Meters

Uses 2—57's, 1—58,  
1—2A5, 1—80 Tubes



A straight Broadcast type Super-Het using five of the latest type tubes. An unusual feature of this kit is the complete handling of all coils. The antenna coil is a variable inductance, tuned by one section of the tuning circuit. It is mounted in a shield can 2" high by 1 1/2" in diameter. A variable oscillator and input I. F. transformer is housed in a similar can. The output I. F. transformer is housed in a can 2 1/2" high by 1 1/2" in diameter. All leads are color coded for easy identification. The finished receiver, using the type tubes shown above, will fill a complete selection (approximately 10 K. C.) and sensitivity. Power output is a full 2 watts, enough to fill the largest room with music. Output may easily be increased by adding another 2A5 tube to make a push-pull output stage; receiver will then have a power output of approximately 4 watts.

Both schematic and pictorial diagrams included in kit. Usually anyone can assemble this receiver. Slip, wt. 4 lbs.  
**XH10156** Essential Coil Kit as described. **\$3.95**  
 Your Cost  
**XH10157** Kit as above but including Special Truest Three Gang Variable Condenser. Slip, wt. 6 lbs. **\$5.40**  
 Your Cost

## 5 Tube TRF Coil Kit

Extremely Compact—A. C. Operation

Uses 2—58's, 1—57,  
1—47, 1—80 Tubes



Many custom set builders prefer the TRF circuit because of its better tone quality and greater ease of construction. This new Truest TRF Kit has a newly developed very compact TRF coil.

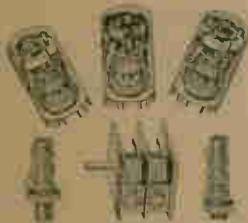
The antenna coil of the inductively coupled type is housed in a shield can only 1 1/2" high by 1 1/2" square. The RF coil is used in exactly the same size can as are of the above primary, secondary coupled type. In constructing this receiver, the builder will find that selecting a transformer for a certain use. A secondary is especially fine for this type of receiver due to the use of several high gain coils in each stage. Power output using the tube combination shown above will be 2 1/2 watts. This may easily be increased to approximately 3 1/2 watts by adding another 47 pentode to make a push-pull output stage.

Schematic and pictorial diagrams included. Slip, wt. 2 lbs.  
**XH10158** Tube TRF Essential Coil Kit as described above. **\$1.75**  
 Your Cost  
**XH10159** Same Kit as above but including Special Truest Three Gang Variable Condenser. Slip, wt. 6 lbs. **\$3.10**  
 Your Cost

## 8 Tube De Luxe All Wave Super-Het

15 to 550 & 850 to 2000 Meters

Uses 2-58's, 1-55, 1-57, 1-56, 2-2A5's, 1-80



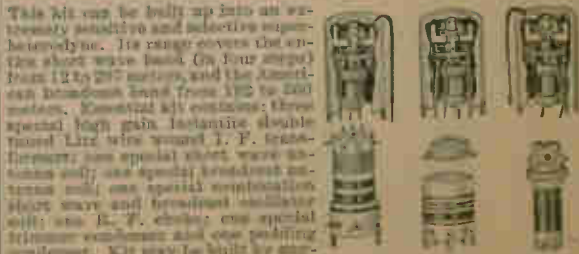
This kit is one of the most complete superheterodyne kits ever offered in the world. It is complete in every detail. Essential coil kit components of the following units: One special antenna coil; two special oscillator coils; two completely shielded high gain I. F. transformer coils; a tuning indicator for the first two I. F. transformer double tuned coils; one high gain I. F. transformer coil; one I. F. transformer coil; one special broadcast and short wave oscillator coil; one special tuning indicator; one special antenna coil; one special antenna coil; one special antenna coil.

with schematic and pictorial diagrams. Slip, wt. 6 lbs.  
**XH10032** Complete Kit, low variable condenser. **\$7.65**  
 Your Cost  
**XH10033** Complete Kit with Special Truest Two Gang Variable Condenser. Slip, wt. 8 lbs. **\$8.65**  
 Your Cost

## 7 Tube DeLuxe Short Wave and Broadcast Superheterodyne

13 to 200 & 200 to 550 Meters

Uses 3-58's, 1-2A6, 1-56 1-59, 1-80 Rectifier



This kit may be built up into an extremely sensitive and selective superheterodyne. Its range covers the entire short wave band (3.4 to 200 meters) and the standard broadcast band (150 to 550 meters). Essential components: three special high gain I. F. transformer coils; one special broadcast and short wave oscillator coil; one special tuning indicator; one special antenna coil; one special antenna coil; one special antenna coil.

Complete with schematic and pictorial diagrams. Slip, wt. 6 lbs.  
**XH10160** Complete Kit, low variable condenser. **\$5.95**  
 Your Cost  
**XH10161** Complete Kit with Special Truest Two Gang Variable Condenser. Slip, wt. 8 lbs. **\$6.95**  
 Your Cost

### NOTE

All Truest coil kits come complete with both blue print schematic diagrams and pictorial lay-out diagrams. In addition, complete lists of all parts necessary to build the complete receiver are shown. Thus those having the least bit of radio experience are enabled to construct these efficient receivers without trouble of any kind.

# Super-Het & T.R.F. COILS

## Trustest

### Shielded R.F. Coils



These coils are used as standard equipment by a large number of set manufacturers. Due to their precision winding, exceptionally high gain is provided. Very sensitive for use with all S.G. tubes with .00035 condenser. Ant. coil: primary 14 turns No. 28 D.C.C.; secondary 130 turns No. 30 enamel. R.F. coil: primary 33 turns No. 31 D.C.C.; secondary 130 turns No. 30 enamel. Mounted in shield cans 2 1/2 x 2 1/2" high. Shpg. wt. 8 oz.

**XH10087—Set of 2 R.F. Coils and 1 Ant. Your Cost..... 79¢**

**XH10088—Set of 3 R.F. and 1 Ant. Your Cost..... \$1.05**

**XH10019—Ant. Coil only  
XH10020—R.F. Coil only  
Your Cost, Either Type..... 28¢**

### Shielded Pre-Selector Coil

A high-gain band-pass pre-selector unit shielded in aluminum can 2 1/2 square, 3" high. Litz wound, on special treated base. Extremely sensitive. Solder lug contacts at base. Shpg. wt. 8 oz.



**XH10072—Your Cost..... 87¢**

### Long Wave R.F. Coil

A recent development in coil winding for long wave transformers or any application requiring large inductance values. Banked four layers deep. Range 50 meters to 1200 meters with .00035 mfd. condenser; up to 2000 meters with a .001 mfd. condenser. Size 2 1/2 x 1 1/4". Shpg. wt. 8 oz.

**XH10091—Your Cost..... 69¢**

### Composite Oscillator Detector I.F.—175 Kc.

High grade composite coil used as the first detector, oscillator and first I.F. transformer. Eliminates the use of one tube with no loss in efficiency. Top tuning. Factory peaked at 175 Kc. No padding necessary as it is made for the



special tracking oscillator section of variable condensers of .00036 mfd. Enclosed and fully shielded in square aluminum can 3" high and 2" square. Has two spade bolts for mounting. Long leads for direct wiring. Shpg. wt. 3 lbs.

**XH9997—Your Cost Each..... \$1.30**

## Trustest Litz Wire I.F. Transformers Isolantite Double Tuned

### Midget Coils



High quality Litz wire used throughout. Employs 2-in-1 isolantite base trimmer. Two bronze springs hold entire unit in the shield. Can size 1 1/2 x 2 1/2" high. Has full length leads for direct wiring. Shpg. wt. 8 oz.

**XH10021—175 Kc.  
XH10022—456 Kc.  
Your Cost, Either Type..... 82¢**

Similar to the above, but with center tapped secondary for Wunderlich 55, 75, 6B7, 2B7, etc. tubes.

**XH10023—175 Kc.  
XH10024—456 Kc.  
Your Cost, Either Type..... 88¢**

### "Square Can" Units



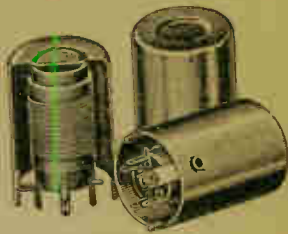
Especially designed for high gain circuits. Litz wire wound. Has 2-in-1 isolantite base trimmer. Housed in square aluminum can, 2" square, 3" high. Long leads for direct wiring. Shpg. wt. 8 oz.

**XH10075—175 Kc.  
XH9709—456 Kc.  
Your Cost, Either Type..... 82¢**

Similar to the above, but with center tapped secondary for Wunderlich 55, 75, 6B7, 2B7, etc. tubes.

**XH10014—175 Kc.  
XH9713—456 Kc.  
Your Cost, Either Type..... 88¢**

## T.R.F. Coil Kits Litz Wire Bank Wound



Litz wire coils on 1 1/2" diameter forms, 2 1/2" long. Mounted in shield 1 1/2" diameter, 2 1/2" long. Have mounting lugs. Designed for use with a .00036 mfd. condenser. Blue print furnished with each kit.

**For 4-Tube Set  
2 Coils, 1 Ant., 1 R.F.  
XH10045—List \$1.75  
Your Cost..... 93¢**

**For 5-Tube Set  
3 Coils, 1 Antenna, 2 R.F.  
XH10046—List \$2.60  
Your Cost..... \$1.40**

**For 6-Tube Set  
4 Coils, 1 Antenna, 3 R.F.  
XH10047—List \$3.25  
Your Cost..... \$1.85**

**XH10089—Antenna Coil only  
XH10090—R.F. Coil only  
Your Cost, Either Type..... 47¢**

### Shielded Oscillator Coil for the New 2A7 or 6A7 Tubes



A Litz wound oscillator coil, thoroughly impregnated and housed in a metal shield. For 175 Kc. I.F. Made to track with a 1000 mmfd. padding condenser and .000365 variable condenser, or with special cut section of variable condenser. Has solder lug terminals. Size 1 1/2" high, 1 1/4" in diameter. Shpg. wt. 8 oz.

**XH10029—Your Cost Each..... 59¢**

Similar to the above, but for 456 Kc. I.F. Made to track with a 500 mmfd. padding condenser and .000365 variable condenser or special cut section of variable condenser. Shpg. wt. 8 oz.

**XH10031—Your Cost Each..... 59¢**

### Untuned Assembly

A combination of a self-tuned bifilter transformer peaked at 550 Kc. and a plate choke coil. Finds popular use as an additional radio frequency stage in 4, 5 and 6 tube receivers, both for home use and automobile receivers. Since no external tuning is necessary, the only expense involved is for the assembly itself and the extra tube. Size 1 1/2" high and 1 1/4" in diameter. Shpg. wt. 8 oz.

**XH10034—Your Cost Each..... 69¢**

## Special "Ultra High Gain" Short Wave I.F. Transformer Peaked at 456 Kc.

This newly developed I.F. coil is far superior to any other on the market at present. Has a gain conservatively rated at 180. Selectivity at 100 times 80 Kc. Primary and secondary wound in four sections. Employs 2-in-1 isolantite base trimmer; top tuning. Fully shielded in round aluminum can 4" high, 1 1/2" in diameter. Provided with long color coded leads for direct wiring. Shpg. wt. 1 lb.

**XH9969—Your Cost Each..... \$1.20**

**NOTE: The above coil is identical to those used in the new "ALL STAR" kit listed on page 41.**



### Midget Trimmers

Extremely compact trimmers mounted on bakelite strips. Ideal for use in short wave sets. Have solder lug terminals. Capacity range from 3 to 30 mmfd.

**XH9775—Each..... 10¢**

### Dual Trimmers

Similar to the above, but two trimmers mounted on single bakelite strip. Range 3-30 mmfd. each trimmer.

**XH9776—Your Cost Each..... 19¢**



### Compact Isolantite Padding Condensers

Highly efficient due to their extremely low loss characteristics. Minimum capacities very low, tuning range wide. Mounted on isolantite base.



Stock No.	Range	Your Cost
Single	Single	Single
XH9767	XH9771	7-90 \$0.26 \$0.42
XH9768	XH9772	27-180 .27 .46
XH9769	XH9773	58-325 .29 .49
XH9770	XH9774	94-410 .31 .54

## MAJESTIC Replacement I.F. Transformers

### Models 20 and 20



Exactly duplicate the original units physically, are far superior electrically. Contain 600 volt working voltage plate bypass condensers. Peaked at 175 Kc. Each unit guaranteed against defects. Shpg. wt. 2 lbs.

Stock Model	No.	Stage	Your Cost
XC2496	20	1st	\$1.50
	20	2nd	
XC2498	60	1st	2.00
	60	2nd	

### Models 15-15B-150

Exact duplicates of the original. Output I.F. corresponds to Part No. 4429; Composite I.F. corresponds to Part No. 4428. Factory peaked at 175 Kc. No changes necessary to install. Shpg. wt. 2 lbs.

<b>XC2489—Output I.F. Majestic No. 4429</b>	<b>Your Cost..... 98¢</b>
<b>XC2491—Composite I.F. Majestic No. 4428</b>	<b>Your Cost..... \$1.79</b>



## MAJESTIC 460 I.F. Transformers

Exact duplicates of the original Majestic parts. No changes necessary to install. First I.F. comes completely mounted in aluminum shield can. Shpg. wt. 2 lbs.

<b>XC2451—1st I.F.</b>	<b>Your Cost..... \$1.15</b>	<b>XC2452—2nd I.F.</b>	<b>Your Cost..... 65¢</b>
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## NOTE

A complete listing of plug-in coils, coil forms and associated short wave accessories will be found on page 53.

# Variable Condensers and Knobs



## Trutest Variable Compact Short Wave and Broadcast Condensers



These Trutest Tuning Condensers are of the very latest design. Greater variety of capacities, and variable physical shape. Full standard physical features. High capacitance. Positive electrical contacts. Terminals are rigid and retain their settings after adjustments. Full bearing, self-aligning and smooth in action. Heavy aluminum plates. Shaft and frame of steel, cadmium plated. All diameter shaft. Heavy die-cast metal.

### Short-Wave Compact Condensers

Stock No.	Cap.	Gauge	Shp.	Wt.	Your Cost
XH9715	.0001	1	1 1/2"	1 lb.	<b>72°</b> <b>1.15</b>
XH9716	.0002	1	1 1/2"	1 lb.	
XH9717	.0003	1	1 1/2"	1 lb.	
XH9718	.0004	1	1 1/2"	1 lb.	
XH9719	.0005	1	1 1/2"	2 lbs.	

### Broadcast Compact Condensers

Stock No.	Cap.	Gauge	Shp.	Wt.	Your Cost
XH9720	.00025	1	1 1/2"	1 lb.	\$0.75
XH9721	.00035	1	1 1/2"	2 lbs.	1.00
XH9722	.00045	1	1 1/2"	2 lbs.	1.45
XH9730	Bushing for conversion to 1/2" shaft				.15

## Compact Junior Condensers for Short Wave and Broadcast

Are exceptionally compact yet highly efficient variable condensers suitable for short-wave or broadcast use. Ball-bearing shafts 1/2" diameter, 1 1/4" long. Aluminum plates—heavily plated steel frame with plate supports of brass. Special mounting short-wave condenser for use in T.U.F. or other short-wave circuits.



Stock No.	Cap.	Gauge	Shp.	Wt.	Your Cost
XH9762	.0001	1	1 1/2"	1 lb.	<b>58°</b>
XH9763	.00014	1	1 1/2"	1 lb.	
XH9764	.00025	1	1 1/2"	1 lb.	
XH9765	.00035	1	1 1/2"	1 lb.	
XH9766	.00045	1	1 1/2"	2 lbs.	

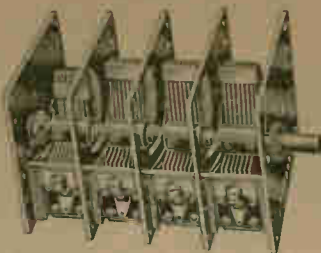
## Trutest Midget Condensers

Light weight, strong and compact smooth in operation. Low minimum capacity, low loss, reliable insulation, non-oxidative aluminum plates. For short-wave, transmitting, or T.U.F. shaft. Each unit independently tested with load.



Stock No.	Min. Cap.	Max. Cap.	Year Cost
XH9714	3	15	\$0.32
XH9728	4	20	.32
XH9729	5	30	.40
XH9731	6	40	.45
XH9737	7	100	.48
XH9714	8	150	.65

## "Precision" Condensers for Superhets and T.R.F.



Contains a married inner-rotor design by eliminating the necessity for a secondary "padding" circuit. Quite number of units are built per condenser and are mounted on the same shaft with a matching nutdriver for the oscillators. Heavy in construction, with ball-bearing shafts. Have mounting lugs for transom on either side. Aluminum Plate coated.

Stock No.	Gauge	Cap. Shp.	Size, Inches	Surf. Wt.	Year Cost
XH9700	2	.0001	1 1/2"	2 1/2"	\$1.03
XH9701	3	.0002	1 1/2"	2 1/2"	1.57
XH9702	4	.0003	1 1/2"	2 1/2"	2.03

### Precision Condensers for T.R.F. Circuits

Same construction as above Condensers except that all sections are identical in capacity series, the correct type for T.R.F. sets.

Stock No.	Gauge	Cap. Shp.	Size, Inches	Surf. Wt.	Year Cost
XH9703	2	.0001	1 1/2"	2 1/2"	\$1.03
XH9704	3	.0002	1 1/2"	2 1/2"	1.52
XH9705	4	.0003	1 1/2"	2 1/2"	2.03

## ICA Universal Midget Condensers



Insulated with a solid wax plate of Insulite—a non-oxidizable non-ferrous alloy. The short-circuit path through the wax plate between rotator and stator is made through a specially designed capped contact washer having a large contact area, with both rotor and stator, thereby assuring reliable operation. Terminal shafts lock into a 1/4" shaft in fixed position and screw driver adjustment. If desired, make this a truly universal condenser. Shpg. wt. 1 lb.

Stock No.	Cap. Min.	Shp.	Wt.	Your Cost
XH9752	15	.0001	1 lb.	\$0.50
XH9753	25	.0002	1 lb.	.55
XH9754	50	.0003	1 lb.	.62
XH9755	100	.0004	1 lb.	.67
XH9756	150	.0005	1 lb.	.88
XH9757	25	.001	1 lb.	1.03
XH9758	50	.0017	1 lb.	1.32

Transmitting type for neutralizing and tuning.

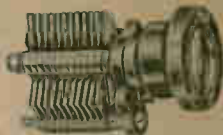
## Flexible Coupler



For coupling two 1/2" shafts. Handles them both ends.

Stock No.	Year Cost
XH9750—Tapered	<b>36°</b>
XH9751—Flare	<b>24°</b>

## PILOT Midget Condensers



For use as variable or transmission condenser, antenna coupling, etc. Bakelite frame and brass plates. Depth behind panel 1/2" to 1 1/4" depending on capacity. 1/2" shaft.

Stock No.	Cap. Min.	Year Cost Each
XH10204	15	<b>49°</b>
XH10205	25	
XH10206	50	
XH10207	100	
XH10229	150	

## Wood Radio Knobs



A complete selection of beautiful wood knobs for all types of radio receivers. Type J are black with aluminum inlay. Types B and C are glass covered wood. Please insert correct part number. Steel set screws are included. All 1/4" shaft.

Type	Large 1 1/2" Each \$6.10	Medium 1" Each \$0.09	Small 3/4" Each \$0.09
A	XH9850		XH9864
B	XH9861		XH9865
C	XH9852		XH9866
D	XH9853		XH9867
E		XH9942	XH9947
F		XH9943	XH9948
G		XH9944	XH9949
H		XH9945	XH9950
I		XH9946	XH9951

Your Cost 1 knob	Your Cost 1 knob	Your Cost 1 knob
Per Dozen \$1.00	Per Dozen \$0.95	Per Dozen \$0.95

## Bakelite Knobs

Bakelite knobs that will enhance the appearance of your radio or communication panel. Finished with 1/4" hole and set screw. Shpg. wt. per dozen knobs, 1 lb.

Stock No.	Year Cost
XH9890	<b>7°</b>
12 for	\$0.75
No. 17	<b>5°</b>
12 for	\$0.48
No. 18	<b>8°</b>
12 for	\$0.85
No. 19	<b>7°</b>
12 for	\$0.75
No. 20	<b>6°</b>
12 for	\$0.75

## Knobs for Midget Radio Receivers

These knobs have been designed for use on the popular 50, 500 receiver. 1/2" dia. hole is 1/4" diameter, 1/2" deep, and has a 1/4" pilot hole 1/8" deep.

Stock No.	Year Cost
No. 21	<b>6°</b>
12 for	\$0.65
No. 22	<b>5°</b>
12 for	\$0.55
No. 23	<b>7°</b>
12 for	\$0.75

# RADIO FREQUENCY CHOKES

## Hammarlund



Genuine helical winding in a moulded form. Large inductance with minimum distributed capacitance. For plate circuits and grid returns. Will pass 60 M. A. at 100 M. H., a capacity of 3 mmf. D. C. res. of 215 ohms.

**XH8525**  
Your Cost ..... **\$1.17**  
250 M. A. capacity of 2 mmf. D. C. resistance of 420 ohms.  
**XH8526**  
Your Cost ..... **\$1.32**

## Plantite Radio Frequency Choke



Low loss helical designed choke for short wave receivers and transmitters. For grid screen plates and antenna coils. Inductance 60 millihenries. D. C. resistance 70 ohms. Distributed capacity 3 mmf. Max. current 125 ma.  
**XH8524**  
Your Cost Each ..... **65¢**

## Improved Shielded R. F. Choke



This choke is completely shielded in an aluminum shell. Size 1 1/2" diameter. Connections on the side of the can. Inductance 10 M. H. D. C. resistance 60 ohms. Maximum current 100 ma. Code CB-10.

**XH8523**  
Your Cost ..... **59¢**

## COLUMBIA RF Choke

Especially designed replacement for the Columbia Screen Grid Choke. This form has the same inductance.



**XH10145**  
Your Cost Each **49¢**

## Trutest R.F. CHOKES



### Chokes

R. F. chokes are essential to the proper operation of radio frequency circuits. Together with accurate components they keep the R. F. energy in their proper paths, thus helping to prevent feedback and maintaining the circuit. All units wound on wood spools. Easily mounted.

**XH10100** - 2 Millihenries  
Your Cost Each **22¢**  
**XH10101** - 5 Millihenries  
Your Cost Each **27¢**

### Mounted Chokes



Lattice wound on bakelite bobbins and provided with soldering lugs. Extremely low distributed capacity. Inductance shown below.

**XH10104** - 6 Millihenries  
Your Cost Each **17¢**  
**XH10105** - 2.2 Millihenries  
Your Cost Each **17¢**  
**XH10102** - 5.5 Millihenries  
Your Cost Each **18¢**

## Pie-Wound "Hy-Freq" R. F. Chokes



These chokes are especially designed for use in all types of high frequency receivers and in low power transmitters. Consist of a minimum four pie winding on a genuine bakelite spool. Extremely low distributed capacity. Heavy strap lead permit numerous ways of mounting. Available in sizes shown below:

Stock No.	M. H.	Your Cost
<b>XH10142</b>	0.5	\$0.44
<b>XH10143</b>	5.5	.50
<b>XH10144</b>	10	.58
<b>XH10149</b>	60	.85

## "Crolite" R. F. Chokes



Wound on a new and highly efficient bakelite material known as Crolite. Resistant to heat distribution. Can be mounted in any position without the need for shielding. Soldering terminals.

**XH10138** - 2.5 Millihenries  
Your Cost Each **29¢**  
**XH10139** - 5 Millihenries  
Your Cost Each **32¢**  
**XH10140** - 10 Millihenries  
Your Cost Each **42¢**  
**XH10141** - 25 Millihenries  
Your Cost Each **58¢**

## S. W. Choke

Designed for use in short wave receivers. D. C. resistance 75 ohms. Inductance 25 millihenries. Distributed capacity 1 mmf. Maximum current 25 milliamperes. Current carrying capacity 125 M. A.



**XH10106**  
Your Cost Each **33¢**

## RCA-RADIOLA

### R. F. Filter Coil with Condensers

Models 44-46-47



Get the best replacement Part No. 1009. Consisting of a mica trimmer with 4 terminals, 2.5 millihenries, 1 E. F. filter coil and mounting bracket. Can be used in any receiver, especially suitable for Screen Grid Audio Coupler units. Note.

**XC2004**  
Your Cost ..... **35¢**

### RCA Iron Core Choke

Original RCA Part No. 1287 used as tone reactor, models RE18, 1A, 26, 59 and 70. Inductance 6 millihenries. D. C. resistance 25 ohms. Available in one or two inductance values. See list of prices.



**XH1017**  
Your Cost Each ..... **14¢**

## Victor R. F. Input Transformer for Models R-32 RE45, R-52, RE75

The original replacement Part No. 10422. Consists of a primary and secondary on a bakelite spool.

**XH1012**  
Your Cost Each ..... **19¢**

## VICTOR Antenna Choke Models R32, RE45 R52, RE75

Victor Part No. 10444. 150 turns No. 24 wire wound on wooden spool.

**XH1012**  
Your Cost Each ..... **10¢**

## GENERAL MOTORS R.F. CHOKES

### For Models 120, 130, 140, 150, 160, 170



Original G. M. Part No. 1200483. Has a tapered inductance of 12 millihenries. Wound on a wood spool and sealed with pitch.

**XH10132**  
Your Cost Each **14¢**

### For Models 253, 254, 255, 256, 257, 258, 290



G. M. Part No. 1200485. Rated inductance 14 millihenries. Wood core, insulated winding. Tapped lead connections.

**XH10135**  
Your Cost Each **12¢**

### For Model E



Wood core choke, completely sealed with pitch. Inductance 14 millihenries. Part No. 120143.

**XH10133**  
Your Cost Each **14¢**

### Models 200-201

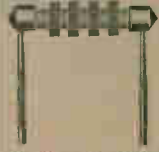


Part No. 120144. Inductance 4 millihenries. Wood core, sealed with pitch.

**XH10136**  
Your Cost Each **12¢**

## NATIONAL Chokes

### Short Wave R.F. Choke



An excellent choke for use in receivers or in low power transmitters. Wound on a bakelite spool in a shielded form. Inductance 2 1/2 millihenries; D. C. resistance 50 ohms; distributed capacity 1 mmf.; rating 125 M. A.

**XN14429** - List 75c  
Your Cost **45¢**

### 90 Ma. R. F. Choke



50 millihenrie choke suitable for short wave or broadcast receivers. National No. 1201422. Rated inductance 52 millihenries. Tapped leads. Soldering lugs.

**XN14422**  
Your Cost **75¢**

### 500 Ma. R. F. Choke



25 millihenrie choke suitable for short wave or broadcast receivers. National No. 12014423. Rated inductance 22 millihenries. Tapped leads. Soldering lugs.

**XN14423**  
Your Cost Each **42¢**

### Transmitting Choke



Insulated in mounted choke for medium and high power transmitters. Continuous winding in tapered sections for efficient cooling. Immersed for 10,000 volts. Inductance 4 millihenries; distributed capacity 1 mmf.; D. C. resistance 20 ohms; maximum current rating 4 amperes; inductance 4 amperes. List \$2.25

**XN14396**  
Your Cost ..... **\$1.35**

### 500 Ma. R. F. Choke



Heavy duty transmitting choke for use in plate circuits carrying not less than 500 milliamperes at 750 milliamperes. 25 millihenries, 14 mmf. distributed capacity. Size, 1 1/2" x 1 1/2".

**XH3522** - List \$1.75  
Your Cost ..... **\$1.03**

We Will Not Knowingly Be Undersold

# Set Builders Accessories

## Adjustable Drilling Template



A kind of compass in the shop, indicates the exact location for drilling of holes in panel for mounting of radio set. The adjustable arms are held in position and is then locked in position by the thumb nut. Allows for the possibility of wrong drilling. Complete with full instructions for operating. Ship. wt. 1 lb.

**XP14935** - Each 50c  
**Your Cost** **15<sup>c</sup>**

## Bakelite Tubing



Will not shrink at 125° F. It is genuine bakelite tubing. Will not crack.

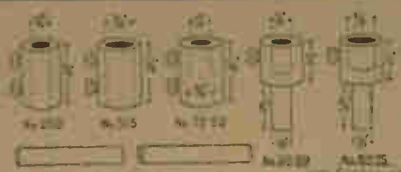
Stock No.	Dia.	per inch
<b>XM13150</b>	1/2"	\$0.04
<b>XM13151</b>	3/8"	.05
<b>XM13152</b>	1/2"	.06
<b>XM13153</b>	5/8"	.07
<b>XM13154</b>	3/4"	.08

**Your Cost**

## Bakelite Panels

These are genuine black bakelite panels 1/2" thick. It is only because of a fortunate purchase that we can offer these panels at this price. Ship. wt. 2 lb.

<b>XM19734</b>	4 1/2" x 10"	<b>49<sup>c</sup></b>
<b>Your Cost</b>		
<b>XM19737</b>	4 1/2" x 12"	<b>59<sup>c</sup></b>
<b>Your Cost</b>		
<b>XM19738</b>	4 1/2" x 14"	<b>79<sup>c</sup></b>
<b>Your Cost</b>		
<b>XM19739</b>	4 1/2" x 18"	<b>98<sup>c</sup></b>
<b>Your Cost</b>		



## Shaft Couplings and Extenders

For mounting of radio components, transistors or switches. Extenders for mounting of tubes. For mounting of tubes, transistors, etc. (1/2" diameter shaft to 1/2" shaft).

<b>XP15000</b> - 1/2" shaft coupling	<b>XP15004</b> - 1/2" shaft extender
<b>XP15001</b> - 3/8" shaft coupling	<b>XP15005</b> - 3/8" shaft extender
<b>XP15002</b> - 1/2" shaft coupling	
<b>XP15003</b> - 3/4" shaft coupling	
<b>Your Cost, Each</b>	<b>10<sup>c</sup></b>
	50.90
<b>XP15010</b> - 6" length brass shaft	<b>XP15012</b> - 12" length brass shaft
<b>Your Cost</b>	<b>15<sup>c</sup></b>
<b>XP15011</b> - 6" length fibre shaft	<b>XP15013</b> - 12" length fibre shaft
<b>Your Cost</b>	<b>19<sup>c</sup></b>

## Insulating Shaft Couplings

<b>XP15014</b> - 1/2" shaft coupling	<b>XP15017</b> - 1/2" shaft coupling
<b>XP15015</b> - 3/8" shaft coupling	<b>XP15018</b> - 3/8" shaft coupling
<b>XP15016</b> - 1/2" shaft coupling	<b>XP15019</b> - 1/2" shaft coupling
<b>Your Cost</b>	<b>12<sup>c</sup></b>
<b>Each</b>	61.05

## Hard Rubber and Bakelite Panels

Made especially for Radio Panels. Color black. Thickness 1/2". First quality guaranteed. If required in any other material we can offer Special

Size Panels at 1/2 cent per square inch for rubber and 2 1/2 cent per square inch for Bakelite. Special size panels will not be shipped C.O.D.

HARD RUBBER		BAKELITE	
Stock No.	Your Cost	Stock No.	Your Cost
<b>XW19630</b>	\$0.54	<b>XW19660</b>	\$0.98
<b>XW19631</b>	.58	<b>XW19661</b>	1.15
<b>XW19632</b>	.68	<b>XW19662</b>	1.35
<b>XW19633</b>	.95	<b>XW19663</b>	1.65
<b>XW19634</b>	1.03	<b>XW19664</b>	1.90
<b>XW19635</b>	1.18	<b>XW19665</b>	2.10
<b>XW19636</b>	1.40	<b>XW19666</b>	2.50
<b>XW19637</b>	1.60	<b>XW19667</b>	2.70
<b>XW19638</b>	1.75	<b>XW19668</b>	2.65



## Aluminum Shielding Cans

Shaded labeled down. Corner ports drilled for 1/8" screws. 1 1/2" thick.

Stock No.	Size	Each
<b>XM13250</b>	4 1/2" x 6"	\$1.95
<b>XM13251</b>	6 1/2" x 6"	1.75
<b>XM13252</b>	6 1/2" x 8"	2.35
<b>XM13253</b>	8 1/2" x 8"	2.59
<b>XM13254</b>	10 1/2" x 8"	2.75

## Sheet Aluminum

Best grade 1/2" thick. Specially made for radio work. Non-magnetic.

Stock No.	Size	Net
<b>XW19660</b>	12" x 6"	\$0.48
<b>XW19661</b>	12" x 12"	.33
<b>XW19662</b>	12" x 18"	.33
<b>XW19663</b>	18" x 18"	.33
<b>XW19664</b>	18" x 24"	.33
<b>XW19665</b>	24" x 24"	1.00
<b>XW19666</b>	24" x 36"	1.10

Odd sizes \$1.10 per square foot.

## Sub-Panel Brackets



High hard aluminum brackets for supporting sub-panel in radio receivers, etc. Two sizes available. Bright polished finish. Large cut-outs for ventilation. Ship. wt. 1 lb.

<b>XP14907</b>	2 1/2" x 3 1/2" x 1/2"	<b>28<sup>c</sup></b>
<b>Your Cost, Per Pair</b>		
<b>XP14905</b>	2 1/2" x 4 1/2" x 1/2"	<b>23<sup>c</sup></b>
<b>Your Cost, Per Pair</b>		

## Radio Tube Shield Jacket

This shield represents a new departure in tube shielding. They can be used with regular tubes to replace wire shield tubes and will function here perfectly. Made in two types: ST12 to fit the common type tubes, and S14 to fit the 44, 55, and 51 types. Ship. wt. 1 lb.

**XM13262** - ST12 Type 8c  
**Your Cost**

**XM13263** - S14 Type 8c  
**Your Cost**



## Blank Radio Chassis Cadmium Plated

These chassis are made of stiff metal that is easy to drill and work and have spot-welded corners that will not loosen. Strongly built - will not warble. Excellent for use in building receivers or amplifiers. Average ship. wt. 6 lbs.



<b>XM12810</b> - 12" x 12" x 1 1/2"	<b>85<sup>c</sup></b>	<b>XM12609</b> - 12" x 12" x 1 1/2"	<b>60<sup>c</sup></b>
<b>Your Cost</b>		<b>Your Cost</b>	
<b>XM12811</b> - 10" x 12" x 1 1/2"	<b>95<sup>c</sup></b>	<b>XM12812</b> - 10" x 12" x 1 1/2"	<b>65<sup>c</sup></b>
<b>Your Cost</b>		<b>Your Cost</b>	

## Aluminum Corner Posts

6 1/2" long, ground to fit 1/2" diameter tubes. Tapped at each end to fit 1/4" screws. Ship. wt. 1 lb.

**XP14954** - Your Cost, Each **20<sup>c</sup>**

# Truestest TUBE & COIL SHIELDS

## Special Tube Shields



This tube shield is made of heavy brass with a heavy copper plating. Made in three sizes: 1/2", 3/4", and 1". Concentrated for maximum protection. Ship. wt. 1 lb.

**XM13261** - 1/2" Type 9c  
**Your Cost Each** Per Dozen \$1.00



An especially effective tube shield made of heavy brass with a copper plating. Made in three sizes: 1/2", 3/4", and 1". Concentrated for maximum protection. Ship. wt. 1 lb.

**XM13255** - 3/4" Type 10c  
**Your Cost, Each**

## "ST" Type Tube Shields



The ST, ST-1, etc. type tubes. Made in three sizes: 1/2", 3/4", and 1". Each long covering the whole tube and short (cutting up projecting) type. Brass diameter 1/2". Available made of hard brass aluminum in natural bright finish. Ship. wt. 1 lb.

**XM1325** - Long Type 12c  
**Your Cost, Each** Per Dozen \$0.10



<b>XM1126</b> - Short Type 10c <b>Your Cost, Each</b> Per Dozen \$0.40	<b>10<sup>c</sup></b>
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## "S" Type Tube Shields



Three sets on hand for each of the three sizes. Made of heavy brass with a copper plating. Made in three sizes: 1/2", 3/4", and 1". Concentrated for maximum protection. Ship. wt. 1 lb.

**XM13259** - 1/2" Type 10c  
**Your Cost** Per Dozen \$1.10



Three sets on hand for each of the three sizes. Made of heavy brass with a copper plating. Made in three sizes: 1/2", 3/4", and 1". Concentrated for maximum protection. Ship. wt. 1 lb.

**XM13260** - 3/4" Type 12c  
**Your Cost** Per Dozen \$1.20

## National Aluminum Coil Shields

One piece, heavy aluminum shield for coils. Made of hard brass aluminum in natural bright finish. Ship. wt. 1 lb.

**XM13257** - 1 1/2" x 1 1/2" Type 21c  
**Your Cost**



Now is drilled for screws. Made of hard brass aluminum in natural bright finish. Ship. wt. 1 lb.

**XM13256** - 1 1/2" x 1 1/2" Type 30c  
**Your Cost**





# DIALS

## KURTZ-KASCH DIALS

Made of molded Bakelite. Requires only one hole for condenser shaft and two small holes to secure dial to panel. Dial ratio 8 to 1. No back-lash. Fits  $\frac{1}{4}$ " shaft. Shpg. wt. 1 lb.

Stock No.	Range	Size	Your Cost Each
XH9803	200-0	4"	47¢
XH9804	0-200	4"	50.45
XH9805	100-0-100	4"	.42
XH9806	0-100-0	2"	



## Full Vision Dial

Designed for use with standard broadcast receivers. 5 1/2" high, 3 1/2" wide. For  $\frac{1}{4}$ " shaft. Knob shaft  $\frac{1}{4} \times 1 \frac{1}{2}$ ". Celluloid scale 0-100 clockwise. Double friction drive. Complete with escutcheon plate. Mounts directly on the condenser shaft. XH9816—Your Cost **65¢**



## Spot Light Full Vision Dial

Spot light travels with pointer. For  $\frac{1}{4}$ " shaft. Size 4 1/2" wide, 3 1/2" high. Amber celluloid scale, 0-100 counter-clockwise. Pilot socket included. Shpg. wt. 1 lb. XH9808—Dial and Escutcheon, less bulb. Your Cost Each **65¢**



## Panel Mount Midget Dial

A new tuning dial with vernier control. Made especially for use with the present A. C. - D. C. midget sets. Makes it possible to convert various sets from direct to vernier control. Attractively finished in dull bronze. Mounts directly on front panel. Shpg. wt. 1 lb.



XH9818—Your Cost Each **75¢**

## CROWE Airplane Dial Vernier Control

Has 12:1 reduction ratio, totally free from back-lash or play. 4" dial of black Pyralin with open figures covered by convex glass face. Gives full 270° pointer rotation for 140° condenser rotation. Pointer travels opposite to condenser. Comes complete with 4 1/2" bezel. For  $\frac{1}{4}$ " shaft. Shpg. wt. 2 lbs. XN14251—Your Cost Each **\$2.45**



## Midget Airplane Dial

Has 3" dial. Double geared drive, free from back-lash. Ratio 6:1 in 180 degrees. Knob, pointer and condenser travel in same direction. Shaft for  $\frac{1}{4}$ " knob. Face protected by glass cover. Provided with 3 1/2" bronze bezel. Shpg. wt. 1 lb. XH9884—Your Cost Each **\$1.49**



## Special Airplane Dial

A full vision airplane dial with a reduction drive ratio of 6:1 in 270°. Totally free from back-lash or play. Has 2 1/2" dial of amber translucent material, covered by a convex glass lens. Figures in black, indicated by a metal arrow pointer. Lower scale graduated in kilocycles; upper scale from zero to ten. Mounts on  $\frac{1}{4}$ " condenser shaft mounted on supporting bracket. Provided with 3 1/2" dull bronze bezel. Shpg. wt. 1 lb. XH9912—Your Cost Each **85¢**



Pilot light socket

## Truest

Pilot Light Bracket Pilot bulb lights attractive jewel. Specify green, red, or amber. XF6436—Your Cost Each **16¢**



## EGERT Precision Tuning Dial With Vernier Control

A new 3" dial designed for use with short wave receivers, laboratory instruments, etc. Dial can be accurately read to 1/10 of one division. Pointer double edged for clockwise or counter-clockwise readings. Provides a spread of 270° for 180° condenser rotation. Dial ratio 16:1, free from backlash. Scale and pointer made of metal to prevent inaccuracies. Hub  $\frac{1}{4}$ "



Shpg. wt. 2 lbs. XH9883—Your Cost Each **\$2.94**

## New Improved Drum Dial

Extra heavy die cast white metal construction. Illuminated.

Celluloid scale 0-100 counter-clockwise rotation. Size 5 1/2" high, 3 1/2" deep, 1 1/2" wide. Knob shaft  $\frac{1}{4} \times 1 \frac{1}{2}$ ". Escutcheon size 3 1/2" x 2 1/2". Shpg. wt. 2 lbs. XH9809—Dial only for  $\frac{1}{4}$ " shaft. XH9810—Dial only for  $\frac{1}{4}$ " shaft. Your Cost **85¢**

Either Type... XH9811—Escutcheon extra. Each **17¢**

XH6476—Insulated Pilot Light Socket extra. Each **8¢**



## Fan Type Dial

Outside diameter dial 4". For  $\frac{1}{4}$ " shaft. Knob shaft  $\frac{1}{4} \times 1 \frac{1}{2}$ " long. Celluloid scale, 0-100 counter-clockwise. Has pilot light socket. Escutcheon plate 2 1/2" high, 2 1/2" wide. Shpg. wt. 1 1/2 lbs. XH9813—Dial only. Each **47¢**



XH9814—Escutcheon Plate, Extra. Each **12¢**

## Genuine G. E. MAZDA Pilot Bulbs

Used for radio dial lamps, indicators. e. e. Standard carton contains 10 bulbs. Shpg. wt. 8 oz., per box of 10.

Stock No.	Volts	Amps.	Each	10 For
XL12250	2.5	0.50	7¢	53¢
XL12251	3.2	0.45		
XL12252	6-8	0.50		

### COLORED MAZDA BULBS

In red, green amber, and blue. Similar to the above. Specify color desired.

Stock No.	Volts	Amps.	Your Cost Each
XL12268	2.5	0.50	10¢
XL12269	3.2	0.45	
XL12270	6-8	0.50	10 for 85¢

### SPECIAL AUTO RADIO BULB

Round bulb, miniature base. 6-8 volts, 0.15 amps. Small size. XL12273—10 for 85¢ Your Cost Each **10¢**

### SPECIAL AIR CELL BULB

Tubular bulb, miniature base. 2 volts, 0.06 amps. Has lowest current drain of any bulb. XL12274—10 for \$1.75. Your Cost Each **20¢**

### VICTOR-MAZDA PILOT BULB

Intermediate base, frosted bulb. 110 volts. XL12253—Carton of Ten \$1.65 Your Cost Each **17¢**

## Drive Cables Bands & Belts

The strongest dial cable obtainable. Ends, loops and eyelets firmly soldered.

Make of Set	Model	Stock No.	Net
Atwater Kent	30	XH9820	
Atwater Kent	55	XH9821	\$0.17
Atwater Kent	35, 37	XH9822	
Atwater Kent	44	XH9823	.32
Atwater Kent	46	XH9920	.29
Atwater Kent	60, 61	XH9824	.29
Amrad	84	XH9825	.18
Bosch	48A	XH9826	
Bosch	58A	XH9827	
Bosch	58, 60	XH9828	.17
Bosch	28	XH9829	
Balkeit	All	XH9830	.23
Bremer-Tulley	14, 21	XH9831	.15
Brunswick	15, 22 Front	XH9921	.25
Brunswick	15, 22 Rear	XH9922	.25
Brunswick	14, 21	XH9832	.15
Colonial	31, 32	XH9833	.25
Colonial	33, 34, 35, 37	XH9834	
Columbia	All	XH9835	.32
Crosley	40s, 60s, 804	XH9836	
Crosley	601, 622, 607	XH9837	.18
Emerson	All	XH9838	.25
Eveready	All	XH9839	.17
Freed-Eisemann	NR60	XH9841	.25

### Dial Drive Cable

Best quality cable. Sixteen strands phosphor bronze wire braided to standard diameter, very strong. XH9881—100 ft. Spool Your Cost **75¢** Per Foot, Your Cost **1c**

## For all Radio Sets

Make of Set	Model	Stock No.	Net
Freshman	2	XH9842	
General Motors	All	XH9923	\$0.25
Grebe	8K1	XH9843	.20
Kolster	6J	XH9844	.24
Kolster	44, 44	XH9845	.35
Kellogg	All	XH9846	.14
Majestic No. 1	70, 71, 72	XH9847	.09
Majestic No. 2	70, 71, 72	XH9848	.29
Majestic	15B, Lazyboy	XH9924	.15
Majestic	52, 60	XH9925	.17
Peerless	All	XH9849	.15
Philco	15	XH9926	
Philco	71	XH9927	.15
Philco	91	XH9928	
Philco	111	XH9929	.17
RCA	42	XH9930	.18
RCA	16, 17, 18	XH9851	.18
RCA	46, 64, 67	XH9852	.12
RCA	16, 17, 18, 33	XH9853	.20
Sparton	All	XH9854	.20
Steinert	All	XH9855	.30
Temple	All	XH9856	

### Drive Drum Linen Cord

Finest black linen braided cord. Breaking strength 200 lbs. per ft. Shpg. wt. 1 lb. XH9882—100 ft. Spool Your Cost **\$3.95** Per Foot, Your Cost **5c**



# Sockets



## HAMMARLUND Isolantite Sockets

Construction of Hammarlund sockets is such that they are perfect contact surfaces and are of proven design. Greatly improved, but price still retaining outstanding value of basic design. Your new, 1/2" high sockets are 1 1/2" long by 1 1/4" wide. Ideal for low power transmitter.



**XH8196** ..... **35¢**  
Your Cost Each  
**XH8497** ..... **35¢**  
Your Cost Each

### For the New Tubes

**XH8498** ..... **35¢**  
Your Cost Each  
**XH8499** ..... **35¢**  
Your Cost Each  
**XH530** ..... **53¢**  
Your Cost Each

## ISOTEX Sockets

Recommended for use in high power tubes. Made of insulating material, they are perfect contact surfaces and are of proven design. Greatly improved, but price still retaining outstanding value of basic design. Your new, 1/2" high sockets are 1 1/2" long by 1 1/4" wide. Ideal for low power transmitter.

**XM13064** ..... **25¢**  
Your Cost Each  
**XM13065** ..... **27¢**  
Your Cost Each  
**XM13066** ..... **30¢**  
Your Cost Each  
**XM13067** ..... **32¢**  
Your Cost Each

## NATIONAL Isolantite Sockets

These National Isolantite sockets are made of insulating material and are of proven design. Greatly improved, but price still retaining outstanding value of basic design. Your new, 1/2" high sockets are 1 1/2" long by 1 1/4" wide. Ideal for low power transmitter.



**XN14425** ..... **36¢**  
**XN14426** ..... **36¢**  
**XN14427** ..... **36¢**  
**XN14429** ..... **36¢**  
**XN14428** ..... **36¢**

Your Cost, Either Type

## Wafer Sockets

For substituting mounting. Made of insulating material, they are perfect contact surfaces and are of proven design. Greatly improved, but price still retaining outstanding value of basic design. Your new, 1/2" high sockets are 1 1/2" long by 1 1/4" wide. Ideal for low power transmitter.

**XM13070** ..... **5¢**  
Your Cost Each  
**XM13078** ..... **5¢**  
Your Cost Each

**XM13071** ..... **5¢**  
Your Cost Each  
**XM13069** ..... **6¢**  
Your Cost Each  
**XM13072** ..... **7¢**  
Your Cost Each

## Bakelite Combination Base or Panel Mount Sockets

Construction of Bakelite combination sockets is such that they are perfect contact surfaces and are of proven design. Greatly improved, but price still retaining outstanding value of basic design. Your new, 1/2" high sockets are 1 1/2" long by 1 1/4" wide. Ideal for low power transmitter.

**XM13090** ..... **0.14**  
**XM13091** ..... **.15**  
**XM13092** ..... **.17**  
**XM13093** ..... **.20**  
**XM13094** ..... **.20**

## Combination Sockets

Designed for use in tube bases, in any size and other contact points. Mounted bakelite frame.

**XM13095** ..... **25¢**  
Your Cost Each  
**XM13096** ..... **25¢**  
Your Cost Each

## Base Mount Sockets

Construction of mounted bakelite sockets is such that they are perfect contact surfaces and are of proven design. Greatly improved, but price still retaining outstanding value of basic design. Your new, 1/2" high sockets are 1 1/2" long by 1 1/4" wide. Ideal for low power transmitter.

**XM13164** ..... **0.12**  
**XM13167** ..... **.12**  
**XM13168** ..... **.14**  
**XM13169** ..... **.15**  
**XM13170** ..... **.15**

## New Clip-Tite Bakelite Sockets

These new clip-tite sockets are made of insulating material and are of proven design. Greatly improved, but price still retaining outstanding value of basic design. Your new, 1/2" high sockets are 1 1/2" long by 1 1/4" wide. Ideal for low power transmitter.

**XM13057** ..... **7¢**  
**XM13058** ..... **7¢**  
**XM13059** ..... **7¢**

Your Cost Each, Any Type

## Tube Shield Base

A new type metal shield base which insulates socket and adapter plate. For standard 1/2" shield.

**XM13233**—Shield Base only ..... **2¢**  
Your Cost Each  
In lot of 100 ..... **50.18**

## BENJAMIN Sockets

These Benjamin sockets are made of insulating material and are of proven design. Greatly improved, but price still retaining outstanding value of basic design. Your new, 1/2" high sockets are 1 1/2" long by 1 1/4" wide. Ideal for low power transmitter.

**XM13110** ..... **29¢**  
Your Cost Each  
**XM11111** ..... **48¢**  
Your Cost Each

## NA-ALD Sub-Panel Sockets

A moulded bakelite sub-panel socket with insulating bakelite panel base. Ideal for mounting tubes in sub-panel. Supplied plain, no marking.

**XN11625** No. 225 Special ..... **8¢**  
Your Cost Each, Special

## Triple Tip Jacks

These triple tip jacks are made of insulating bakelite and are of proven design. Greatly improved, but price still retaining outstanding value of basic design. Your new, 1/2" high sockets are 1 1/2" long by 1 1/4" wide. Ideal for low power transmitter.

**XM13006** ..... **8¢**  
Your Cost Each

## Screw Binding Post

Two threaded lead screws are mounted in bakelite plate. Supplied plain, no marking.

**XM13006** ..... **6¢**  
Your Cost Each

## JONES Bakelite Terminal Strip Assemblies

These and other terminals mounted on bakelite strips. Supplied plain, no marking.

**XM13140** ..... **0.10**  
**XM13141** ..... **.14**  
**XM13142** ..... **.17**  
**XM13143** ..... **.22**  
**XM13144** ..... **.27**

## Lug Terminal Strips

These strips are made of insulating bakelite and are of proven design. Greatly improved, but price still retaining outstanding value of basic design. Your new, 1/2" high sockets are 1 1/2" long by 1 1/4" wide. Ideal for low power transmitter.

**XM13123** ..... **0.04**  
**XM13124** ..... **.04**  
**XM13135** ..... **.55**  
**XM13136** ..... **.55**  
**XM13137** ..... **.70**

## Binding Posts

### Spring Clamp Binding Posts

Insulating bakelite spring clamp binding posts with bakelite base. Supplied plain, no marking.

**XM13046** ..... **5¢**  
**XM13047** ..... **5¢**  
**XM13048** ..... **5¢**  
Your Cost Each

### Eby Binding Posts Non-Removable Tops

Made of composition with bakelite base. Supplied plain, no marking.

**XM13083** ..... **12¢**  
Your Cost Each  
**XM13084** ..... **21¢**  
Your Cost Each

### Eby Twin Post Units

Consists of two standard Eby posts mounted on bakelite base. Supplied plain, no marking.

**XM13062** ..... **15¢**  
Your Cost Each

### Triple Post Units

Consists of three standard Eby posts mounted on bakelite base. Supplied plain, no marking.

**XM13063** ..... **18¢**  
Your Cost Each

# SWITCHES

## Miniature Bakelite Knife Switches

Nickel plated metal parts. Single pole type 1 1/2" long, double pole 2 1/2" long.

Stock No.	Poles	Throw	Net
XR16830	1	S	\$0.25
XR16831	1	D	.32
XR16832	2	S	.36
XR16833	2	D	.44
XR16834	3	S	.62
XR16835	3	D	.65
XR16836	4	S	.73
XR16837	4	D	.79
XR16838	5	S	.95
XR16839	5	D	1.10

## Porcelain Base Knife Switches

For many radio and electrical uses, especially suitable for aerial and ground. Copper contacts and leads.

Stock No.	Poles	Throw	Net
XR16820	1	S	\$0.10
XR16821	1	D	.13
XR16822	2	S	.18
XR16823	2	D	.19
XR16825	3	D	.39

## MUTER Midget Knife Throw Switches

Adapted for either base or panel uniting. Have brass bakelite base. Heavy nickel plated brass parts with insulated handles.

Stock No.	Poles	Throw	Net
XR16842	S. P. S. T.		10¢
XR16843	S. P. D. T.		17¢
XR16844	D. P. D. T.		26¢

## JEWELL Rotary Switches

Applied in 12, 24 or 36 positions and can be made in any number of decks desired. Each deck contains 12 rotary wipers.

Stock No.	Positions	Decks	Your Cost
XJ10325	12	1	\$2.15
XJ10335	12	2	4.45
XJ10337	12	3	5.40
XJ10338	12	4	6.35
XJ10339	12	5	6.95
XJ10340	12	6	10.60

## WESTON Bi-Polar Switches

Dial type for radio and other uses.

Stock No.	Positions	Your Cost
XJ10517	24 Positions	\$6.62
XJ10556	10 Positions	\$2.75

## CUTLER-HAMMER Switches

Nickel-plated toggle switches. 5 Amp., 125 volts. Single Pole, Single Throw.

XM12836 — 1/2" Shaft.  
Your Cost Each **15¢**  
Per Doz. \$1.70

XM12835 — 1" Shaft.  
Your Cost Each **18¢**  
Per Doz. \$2.00

Single Pole — Double Throw  
XM12834 — 1/2" Shaft.  
Your Cost Each **19¢**  
Per Doz. \$2.10

Exposed type. Dial in center position. 1/2" shaft.

XM12831  
Your Cost Each **55¢**  
Per Doz. \$6.00

Single Pole — Double Throw  
Similar to above. 1/2" shaft.  
XM12832  
Per Doz. \$2.75  
Your Cost Each **25¢**

### Rotary Switch

5 Amp 125 volt switch with 1 1/2" shaft. For standard knob. Suitable for 110 volt A.C.

XM12838  
Your Cost Each **16¢**  
Per Doz. \$1.75

### D. P. D. T. Toggle

A suitable switch for meter panels. Shaft 1/2" long. Underwriter's approval.

XM12833  
Your Cost Each **35¢**  
Per Doz. \$3.75

### D. P. S. T.

Similar to the above, but 1/2" long.

XM12817 — Per Doz. \$3.25  
Your Cost Each **29¢**

### Off-On Switch Plate

XM12818 — Per Doz. 20¢  
Your Cost Each **2¢**

## CUTLER-HAMMER Power Switches

### S.P.S.T.

5 Amp., 250 volts. For meters up to 1 1/2 H. P. Bushing 1/4".

XM12813 —  
Your Cost Each **25¢**

D.P.S.T.  
Similar to the above, but double pole.  
XM12814  
Your Cost Each **29¢**

### S.P.S.T.

10 Amp., 250 volts. For meters up to 1 1/2 H. P. Bushing 1/4".

XM12815 —  
Your Cost Each **59¢**

D.P.S.T.  
Similar to the above, but double pole.  
XM12816  
Your Cost Each **65¢**

### Tool Handle Switch

Single pole single throw. For use on tools. 5 Amp., 125 volts. For use on electrical appliances such as drills, irons, etc. Screw terminals.

XM12850  
Your Cost Each **29¢**

### HART & HAGEMAN Momentary Break Switch

Where temporary contact is wanted.

XM12825  
Net Each **15¢**

## New! YAXLEY Gang Switches

These new gang switches are far superior to any other on the market now. Contact surfaces are made of silver plated, and given a smooth burnish. Contact edges of the sliding contact type is of phosphor. All switches are provided with a permanent stop and are adjustable, thus a single switch may be used as 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

SINGLE GANG SWITCHES				Your Cost Each
Type	No.	Circuit	Points	
XF6247	XF6263	2 Circuit	1 to 2 points each	.59
XF6248	XF6264	2 Circuit	1 to 3 points each	.68
XF6249	XF6265	2 Circuit	1 to 4 points each	.73
XF6250	XF6266	2 Circuit	1 to 5 points each	.79
XF6251	XF6267	2 Circuit	1 to 6 points each	.86
XF6252	XF6268	2 Circuit	1 to 8 points each	.91
XF6253	XF6269	2 Circuit	1 to 11 points each	1.03
XF6254	XF6270	4 Circuit	1 to 5 points each	1.18
XF6255	XF6271	6 Circuit	1 to 3 points each	1.24
XF6256	XF6272	8 Circuit	1 to 3 points each	1.52
XF6257	XF6273	3 Circuit	1 to 8 points each	1.30
XF6258	XF6274	3 Circuit	1 to 11 points each	1.38
XF6259	XF6275	6 Circuit	1 to 8 points each	1.47
XF6260	XF6276	4 Circuit	1 to 8 points each	1.42
XF6261	XF6277	4 Circuit	1 to 12 points each	1.76
XF6262	XF6278	8 Circuit	1 to 8 points each	2.06

## YAXLEY Junior Jack Switches

Jack switches parallel with panel. Complete with Black Knob; on-plate. Mounts in panel hole, up to 1/4" thick. Is 1/4" deep.

### Two-Position Switches

XF6471	No. 750. Single pole, double throw.	50¢
XF6472	No. 749. Double pole, single throw.	51¢
XF6473	No. 745. Five Spring	65¢
XF6474	No. 760. Double pole, double throw.	73¢
XF6475	No. 723. 3 pole, single throw.	73¢
XF6466	No. 741. 4 pole, single throw.	94¢

### Three-Position Switches

XF6440	No. 732. Single pole, double throw, center off.	50¢
XF6441	No. 762. Double pole, double throw, center off.	70¢
XF6442	No. 761. 3 pole, double throw, center off.	81¢
XF6443	No. 764. 4 pole, double throw, center off.	115¢

## YAXLEY Push Button Switches

Non-latching type. Standard switches with bakelite handles. Mounts in standard hole up to 1/4" thick.

XF6400	No. 200. Single throw.	29¢
XF6401	No. 201. Double throw.	34¢
XF6402	No. 202. Single pole, double throw.	1.00
XF6403	No. 203. Single pole, double throw.	59¢
XF6404	No. 204. Double pole, double throw.	71¢
XF6405	No. 205. 2 pole, double throw.	88¢
XF6406	No. 206. 3 pole, double throw.	97¢
XF6407	No. 207. 4 pole, double throw.	97¢
XF6408	No. 208. 5 pole, double throw.	97¢
XF6409	No. 209. 6 pole, double throw.	97¢

## FEDERAL Anti-Capacity Switches


XM1255 — I.P.D.T. \$1.90 Your Cost

XM1251 — D.P.D.T. \$1.65 Your Cost

XM1252 — D.P.S.T. \$1.65 Your Cost

# Set Builders Accessories


## Alligator Test Clips



Standard clip to hold things together. Insulated barrel will make it safe to use. Has two spring ends. Ideal for testing test boards. Size 1 1/2" x 1/2" x 1/2".

**XM12955**  
Your Cost, Each ..... **4c**  
Per Dozen ..... \$0.45


## NATIONAL S. G. Clip



Makes a positive grip on tube caps.

**XM14434**  
Each ..... **3c**

## Screen-Grid Clip



Manufacturers type. Heavy, tested for easy soldering. Slip, vt. 6 mm.

**XP14827**  
Your Cost, Each ..... **1c**  
Per Dozen ..... 10c  
Per Gross ..... \$1.00


## YAXLEY Terminal Clips



A very convenient and substantial clip. Has the shape of a Y. Used as a terminal and ground connection and power switch. Electrical contacts with the screw.

**XP14938** Your Cost **15c**

## Mounting Lugs



For mounting on a chassis. Made of aluminum. Ideal for mounting on a chassis. Threaded end.

**XP14935**  
Your Cost per 10 ..... **6c**  
Your Cost per 100 ..... \$0.40

## MIDGET




Short Jacks

**XF6548** Circuit Terminals

**XF6549** Open Circuit

Your Cost, Either Type **14c**

## Metal Binding Posts



**XMMM13020** Type A. Nickel plated brass. Hole in top and bottom. Keyed in one end. Heavy duty type.

**XMMM13021** Type B. Nickel plated brass. Removable screw mounting. Can be mounted 1/4" to 1/2" hole.

**XMMM13022** Type C. Nickel plated brass. 10-32 mounting hole. Knurled screw top.

**XMMM13024** Type F. Same as C but without screw top.

Your Cost, 10 ..... 59c. **6c**  
Any Type, Each

**XMMM13023** Type D. Nickel plated brass. Midget type. 10-32 mounting hole. Knurled screw top. 10 ..... 25c. **3c**  
Your Cost, Each

**XMMM13019** Type E. Brass. Hole in top with knurled edge on any side. 10 ..... 8c. **1c**  
Your Cost, Each

## VARI-COLORED INSULATION

The insulation on the various items listed below is available in the following attractive colors: Red, Black, Blue, Green, Purple, or Yellow. When ordering state color desired.

### Test Instrument Fittings



These five quality fittings add indispensability to the attractiveness of your test instruments, etc. The fittings feature pry-free, insulating, non-slip insulation.

**XM1211** Insulated Plug with tapered end. **15c**  
Your Cost, Each


**XM12911** Insulated Banana Plug. **9c**  
Your Cost, Each

**XM12912** Insulated Banana Plug. **12c**  
Your Cost, Each

**XM12913** Insulated Plug with tapered end. **6c**  
Your Cost, Each

**XM12914** Insulated Plug with tapered end. **6c**  
Your Cost, Each

### Insulated Banana Plugs and Jacks




Insulated shell for use and convenience for making connections. Heavy brass fitting with spring. Jacks have insulated tip and are provided with a soldering lug.

**XM12915** Insulated Banana Plug. **6c**  
Your Cost, Each

**XM12916** Insulated Banana Plug. **6c**  
Your Cost, Each

**XM12917** Insulated Banana Plug. **6c**  
Your Cost, Each


### Insulated Tip Jacks



Have a new type spring which provides more grip contact. The same all the way to jack. Mounts in 1/4" hole. Capable of holding all wiring. All insulated.

**XM12918** Insulated Tip Jack. **6c**  
Your Cost, Each

### Insulated Plug



Insulated plug for use in test leads and tip jacks. Used for test leads on vacuum analyzers, etc. Heavy duty.

**XM12974** Insulated Plug. **5c**  
Your Cost, Each

### Jr. Insulated Plug



Similar to the above but only 1/2" long. All insulated.

**XM12974** Jr. Insulated Plug. **5c**  
Your Cost, Each


### Insulated Screen Grid Caps



Have 2" insulated. By using various colors for different tubes, no other marking is necessary.

**XP1471** Insulated Screen Grid Cap. **8c**  
Your Cost, Each


### Insulated Plug Connectors



For connecting two banana type plugs together. Positive contact. Contact area is 1/4" long. State color desired.

**XM12947** Insulated Plug Connector. **9c**  
Your Cost, Each


### Tapered Lugs



Will fit over all sizes of screws up to No. 10. Shank fits banana plug. Which has a hole 1/4" diameter for easy soldering.

**XM12954** Tapered Lug. **12c**  
Per Dozen ..... \$0.45


### Flush Type Tip Jacks



Heavy contact spring. Will take both plain and soldering lug. Mounts in 1/4" hole. Nickel plated.

**XM12948** Flush Type Tip Jack. **6c**  
Your Cost, Each

## Banana Jacks




Heavy metal plated. Used with banana plugs. 1" long.

**XM12923** Banana Jack. **4c**  
Your Cost, Each

Per Dozen ..... \$0.45

## Banana Plugs




Tinned spring brass. Used for test leads. 1 1/2" long.

**XM12919** Banana Plug. **4c**  
Your Cost, Each

Per Dozen ..... \$0.45

## Tip Jacks




Nickel plated. Heavy brass. 1/4" long.

**XM12918** Tip Jack. **4c**  
Your Cost, Each

Per Dozen ..... \$0.45

## Senior Tip Plug



All metal tip plug for tip jack use. Soldering connection.

**XM12943** Senior Tip Plug. **4c**  
Your Cost, Each

Per Dozen ..... \$0.42

## Junior Tip Plug



As above, but only 1" long.

**XM12944** Junior Tip Plug. **3c**  
Your Cost, Each

## Regular Type



Standard tip plug.

**XP14811** Regular Type Tip Plug. **4c**  
Your Cost, Each

Per Dozen ..... \$0.45

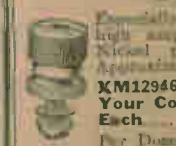
## Easy



Has a hole for easy soldering.

**XP14882** Easy Solder Type Tip Plug. **9c**  
Per Dozen

## Heavy Duty Metal Binding Post




Especially designed for high accuracy work. Nickel plated brass. Approximately 1" long.

**XM12946** Heavy Duty Metal Binding Post. **6c**  
Your Cost, Each

Per Dozen ..... \$0.60

## EBY Twin Jacks




Bakelite moulded strip for standard phone use. Mounting hole contact.

**XM13030** EBY Twin Jack. **5c**  
Your Cost, Each

Per Dozen ..... \$0.50

## EBY Twin Posts



Bakelite moulded strip for standard phone use. Mounting hole contact.

**XM13025** EBY Twin Post. **12c**  
Your Cost, Each

Per Dozen ..... \$1.10

### Nickel Plated Brass Nuts,



### Screws and Washers Wood Screws

Stock No.	Size	Length	Doz.	Gr.
XP14780	4	4c	40c	
XP14781	5	5c	50c	
XP14782	5	6c	60c	
XP14783	5	8c		
<b>Round Head</b>				
P14790	4	4c	40c	
XP14791	5	5c	50c	
XP14792	5	6c	60c	
XP14793	5	8c		
<b>Oval Head</b>				
P14796	4	4c	40c	
XP14797	5	5c	50c	
XP14798	5	6c	60c	
XP14799	5	8c		
<b>Flat Head</b>				



### Machine Screws

Stock No.	Length	Doz.	Gross
XP14750	3/8"	3c	30c
XP14751	1/2"	4c	38c
XP14752	3/4"	5c	50c
XP14753	1"	5c	
XP14754	1 1/4"	6c	65c
<b>6-32 Round Head</b>			
XP14755	3/8"	4c	40c
XP14756	1/2"	5c	48c
<b>6-32 Flat Head Machine Screws</b>			
XP14760	3/8"	3c	30c
XP14761	1/2"	4c	38c
XP14762	3/4"	5c	50c
XP14763	1"	5c	
XP14764	1 1/4"	6c	60c
<b>8-32 Round Head</b>			
XP14770	3/8"	3c	30c
XP14771	1/2"	4c	38c
XP14772	3/4"	5c	50c
XP14773	1"	5c	
XP14774	1 1/4"	6c	60c

### Hex Nuts, Knurled Nuts and Washers

XP14804—6-32x1 1/4" Hex Nuts. Envelope of 20; Net.	5c
Per 100	.20c
XP14805—8-32x1 1/4" Hex Nuts. Envelope of 20; Net.	5c
Per 100	.20c
XP14806—6-32x3/4" Hex Nuts. Envelope of 15; Net.	5c
Per 100	.25c
XP14807—8-32x3/4" Hex Nuts. Envelope of 15; Net.	5c
Per 100	.25c
XP14808—6-32x3/4" Knurled Nuts—Envelope of 6; Net.	5c
Per 100	.75c
XP14809—No. 6 Washers. Envelope of 25; Net.	5c
Per 100	.20c
XP14810—No. 8 Washers. Envelope of 25; Net.	5c
Per 100	.20c

### Machine Screw Nut and Washer Assortments

Each assortment contains 12 oval head machine screws, 12 nuts and 12 washers. Brass nickel plated. Shipping weight 6 oz.

XP14800—6-32x1 1/4"	
XP14801—6-32x1"	
XP14802—6-32x1"	
Your Cost Per Box Any Asst.	<b>10c</b>

### Fancy Head Bronze Finish Screws For Mounting Speakers, etc.

Stock No.	Size	Length	Doz.	Gross
XP14680	6-32	1 1/4"	9c	95c
XP14681	6-32	1"	9c	
XP14682	6-32	1 1/4"	10c	
XP14683	8-32	1"	10c	
XP14684	8-32	1"	10c	<b>1.00</b>
XP14685	8-32	1 1/4"	14c	\$1.50

# Radio Hardware

### Upright Clip Mount

XH9812—5c  
Each  
Per Doz..... 50c



**Rubber Grommet Type**  
XF6476—5c  
Each  
Per Dozen 50c

### Adjustable Bracket Type

Slot in bracket for adjusting.

XP15007—5c  
Your Cost  
Each  
Per Dozen..... 55c



### Insulating Washers



**Extruded Washer, Fibre**  
Stock No. O. D. I. D. Thick  
XP15020 1 3/8" 3/4" 1/16"  
XP15021 1 1/2" 3/4" 1/16"  
XP15022 1 3/4" 3/4" 1/16"  
XP15023 1 7/8" 3/4" 1/16"  
Either type, package of 10.  
Your Cost..... **15c**

**Flat Washer, Bakelite**  
Stock No. O. D. I. D. Thick  
XP15030 3/4" 3/4" 1/16"  
XP15031 1/2" 1/2" 1/16"  
XP15032 3/8" 3/8" 1/16"  
Either type, package of 10.  
Your Cost..... **9c**

### Tinned Brass Lugs



All have No. 8 hole which will fit either No. 6 or 8 screws. Shpg. wt. 6 oz.

XP14812—Style No. 1 Your Cost  
XP14813—Style No. 2 Per 100  
XP14814—Style No. 3 Any Type  
Solderless.  
XP14816—Style No. 4 18c  
XP14818—Style No. 5 1/4" long.

### Snakeproof Washers

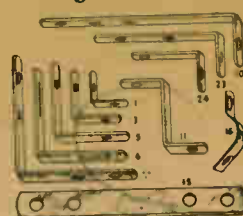
XP14758—To pass No. 6 screw.  
XP14759—To pass No. 8 screw.  
Either Type Envelope of 25 Net..... **10c**

### Self Tapping Machine Screws

Used in practically all sets made today. Save time and labor in building your own receiver. Drill a hole and drive them in. No tapping of holes necessary.

HEXAGON HEAD				ROUND HEAD			
Stock No.	Size	Length	Doz. Gross	Stock No.	Size	Length	Doz. Gross
XP14650	4	3/8"	6c	XP14665	4	3/8"	6c
XP14651	6	3/8"	6c	XP14666	6	3/8"	6c
XP14652	6	1/2"	6c	XP14667	6	1/2"	6c
XP14653	6	3/4"	6c	XP14668	6	3/4"	6c
XP14654	6	7/8"	7c	XP14669	6	1"	7c
XP14655	6	1"	7c	XP14670	6	1 1/4"	7c
XP14656	8	1"	7c	XP14671	8	1"	7c
XP14657	8	1 1/4"	7c	XP14672	8	1 1/4"	7c
XP14658	8	1 1/2"	7c	XP14673	8	1 1/2"	7c
XP14659	8	1 3/4"	7c	XP14674	8	1 3/4"	7c
XP14660	8	1 7/8"	7c	XP14675	8	1 7/8"	7c
XP14661	10	1"	8c	XP14676	10	1"	8c
XP14662	10	1 1/4"	8c	XP14677	10	1 1/4"	8c
XP14663	10	1 1/2"	9c	XP14678	10	1 1/2"	9c
XP14664	10	1 3/4"	10c	XP14679	10	1 3/4"	10c

### Angle Brackets



Brass, nickel plated. Width 3/4".  
Stock No. No. Size Net, per Pair  
XP14895 1 1 1/2"x1 1/2" 2c  
XP14896 3 1 1/2"x1 1/2" 3c  
XP14897 5 1 1/2"x1 1/2" 4c  
XP14898 6 1 1/2"x1 1/2" 5c  
XP14899 7 1 1/2"x1 1/2" 7c  
XP14900 10 1 1/2"x1 1/2" 7c  
XP14901 11 3" high 3c  
XP14902 15 3" long 7c  
XP14903 23 1 1/2"x1 1/2" 6c  
XP14904 21 1 1/2"x3 3c

**Transformer Brackets for Audio and Power Transformers**  
Ideal for mounting all types. Center-to-center dimensions given in illustration.  
XP14839 No. 18. 10c  
2 for..... 20c  
XP14840—No. 25. 15c  
2 for..... 30c  
XP14841—No. 26. 20c  
2 for..... 40c

### FAHNESTOCK Clips



XP14823—Single 3/4" 10c  
Your Cost Per Dozen..... 12c  
XP14824—Single 1" 12c  
Your Cost Per Dozen..... 14c  
XP14825—Twin 1 1/2" long. 25c  
Your Cost Per Dozen..... 30c  
XP14826—Twin 1 3/4" long. 28c  
Your Cost Per Dozen..... 34c

### Rubber Grommet Assortments

Kit "A" contains 12 assorted grommets in 4 sizes—3/16" to 1/2"  
XP14794—Your Cost..... 9c  
Kit "B" contains 30 assorted grommets in 5 sizes—1/8" to 1/2"  
XP14795—Your Cost..... 24c

### Machine and Wood Screw Assortments

Each assortment contains 85 steel 6-32 screws assorted as follows:

30— 10—  
20— 10—  
15— 10—  
XP14835—Round Head.  
XP14836—Flat Head.  
XP14837—Oval Head.  
**Your Cost Either Kind. 25c**  
100-Piece Screw Assortment  
Contains 100 assorted round head machine screws, nuts and washers, size 6-32.  
XP14847—Your Cost..... **25c**

### Complete Hardware for Shortwave and Radio Receivers

This assortment is composed of machine screws, wood screws, hex nuts, brass washers, fibre washers, rubber grommets, terminal lugs, screen grid caps, fibre pieces and fibre bushings. Approximately 230 pieces to the box. Shpg. wt. 1 lb.  
XP14803—Your Cost..... **95c**  
Each..... 25c

### Handy Hardware Assortment

45c  
2 lb. Kit



A big assortment for the serviceman of assorted screws, nuts, washers, eyelets, lugs, brackets, etc. (3 1/2 pounds). Something of everything in the way of small parts used in radio receivers. An indispensable and economical assortment that no serviceman can afford to be without. Shpg. wt. 5 lbs.  
XP14834—Your Cost..... **70c**  
Same as above, but contains 2 lb. of hardware. Shpg. wt. 3 lbs.  
XP14844—Your Cost..... **45c**

### Fibre Washers

A handy assortment for the serviceman. Contains various sizes of both standard and plain fibre washers in cardboard box. 110 pieces. Shpg. wt. 8 oz.  
XP14832—Your Cost Per Box..... **24c**

### Angle Bracket Assortment

Contains 28 of the most popular angles and brackets used in the average radio set. Solid brass neatly nickel plated. A very handy assortment that no serviceman should be without. Shpg. wt. 1 lb.  
XP14838—Your Cost Each..... **25c**

**Switch Points and Stops**  
XP14784—Points.  
XP14785—Stops.  
Either Type Per Doz..... **10c**

# BATTERIES & BATTERY CHARGERS



## BEN HUR Dry Batteries made by BURGESS and priced LOW!

A lower priced battery made by Burgess and made to the high standards that have always been held for their construction. Heavy construction, which are very strong, have been very closely adhered to, both as to quality of materials and fit.

**XY19730** Standard 41 V. "B" Tapped at 22 1/2 Volts. Size, w. 1 1/2 in. Quantity Less than Six.  
**Your Cost Each 97c**  
 Standard Package of 24.  
**Your Cost Each 88c**

**XY19731** Heavy Duty 46 Volt "B" Tapped at 22 1/2 Volts. Size, w. 5 1/2 in. Quantity Less than Six.  
**Your Cost Each \$1.32**  
**\$1.20**  
**XY19728** 44 V. "C" Battery  
**Your Cost 15c**  
**XY19729** 22 1/2 V. "D" and "E" Battery.  
**Your Cost**

Uniform quality insures equal current drain and low internal resistance. These batteries are exceptionally long lived. All terminals clearly marked.



Stock No.	Volts	Size, Inches	Wt. Pkg.	Cap. Amp. Hour	Price	Your Cost Each	Crts. Each
<b>SUPER "B" BATTERIES</b>							
XY19860	21.00	4 1/2 x 7 1/2 x 1 1/2	6	10	\$2.50	\$1.93	1.75
XY19851	21.00	4 1/2 x 7 1/2 x 1 1/2	8	10	1.95	1.51	1.37

<b>Private Car Type</b>							
XY19855	21.00	4 1/2 x 7 1/2 x 1 1/2	11	6	1.95	1.51	1.37
<b>Police Radio Type</b>							
XY19857	21.00	4 1/2 x 7 1/2 x 1 1/2	13	6	3.60	2.75	2.50

<b>STANDARD "B" BATTERIES</b>							
XY19859	21.00	4 1/2 x 7 1/2 x 1 1/2	11	6	2.10	1.61	1.46
XY19860	21.00	4 1/2 x 7 1/2 x 1 1/2	11	6	1.65	1.27	1.15
XY19861	21.00	4 1/2 x 7 1/2 x 1 1/2	11	5	1.20	.94	.85
XY19862	21.00	4 1/2 x 7 1/2 x 1 1/2	10	10	.90	.67	.61
XY19863	21.00	4 1/2 x 7 1/2 x 1 1/2	10	10	.75	.58	.53
XY19874	21.00	4 1/2 x 7 1/2 x 1 1/2	5	5	1.90	1.10	1.05

<b>STANDARD "C" BATTERIES</b>							
XY19864	21.00	4 1/2 x 7 1/2 x 1 1/2	1	10	.46	.31	.28
XY19867	21.00	4 1/2 x 7 1/2 x 1 1/2	10	10	.31	.24	.22
XY19868	21.00	4 1/2 x 7 1/2 x 1 1/2	10	10	.45	.48	.44

<b>SOUND PROJECTIVE BATTERY</b>							
XY19871	21.00	4 1/2 x 7 1/2 x 1 1/2	10	10	2.56	1.94	1.75

<b>RADIO "A" BATTERY</b>							
XY19875	21.00	4 1/2 x 7 1/2 x 1 1/2	10	10	.40	.31	.28

<b>AIRCRAFT RADIO BATTERY</b>							
XY19877	21.00	4 1/2 x 7 1/2 x 1 1/2	10	10	7.25	5.30	

## BURGESS "A" Batteries

Illustrated at the right is the Burgess No. 4 "A" Battery intended for use with a flashlight. It develops 4 volts and is used with a suitable flashlight. Dimensions are 1 1/2 x 1 1/2 x 1 1/2 inches. Quantity less than six, \$1.20 each. Quantity 6 to 24, \$1.00 each.



**XY19872** Burgess No. 4 "A" Battery. Size, 1 1/2 x 1 1/2 x 1 1/2 in. Quantity less than six, \$2.37 each. Quantity 6 to 24, \$2.10 each.  
**Illustrated at the left is the Burgess No. 4 Dry Cell used in the Burgess "A" Battery. Size, 1 1/2 x 1 1/2 x 1 1/2 in. Quantity less than six, \$2.45 each.**

## EVEREADY "Air Cell Battery"

The new Eveready Air Cell Battery for use in the Eveready flashlight. It develops 4 volts and is used with a suitable flashlight. Dimensions are 1 1/2 x 1 1/2 x 1 1/2 inches. Quantity less than six, \$5.95 each. Quantity 6 to 24, \$5.50 each.



## BOND Radio Batteries

The new Bond Radio Battery. It develops 4 volts and is used with a suitable radio. Dimensions are 1 1/2 x 1 1/2 x 1 1/2 inches. Quantity less than six, \$5.50 each. Quantity 6 to 24, \$5.00 each.



Stock No.	Volts	Cap. A.H.R.	Size, Wt.	Your Cost
XY19872	4	100	2 1/2	\$5.50
XY19871	4	100	2 1/2	8.50
XY19872	4	85	2 1/2	6.95
XY19873	4	120	2 1/2	9.95

### Battery Cable

Five ft. cables complete with terminals.

XY16085 - 10 Conductor	Your Cost Each.. 37c
XY16086 - 10 Conductor	Your Cost Each.. 40c
XY16087 - 10 Conductor	Your Cost Each.. 45c
XY16088 - 10 Conductor	Your Cost Each.. 50c

### Battery Cable by the Foot

A high grade, well insulated cable. Each lead a different color for easy identification.

Stock No.	Per Ft.	Per 100 Ft.
XY16089	2 1/2 c	\$2.20
XY16090	3 c	2.60
XY16091	3 1/2 c	3.10
XY16092	4 c	4.10
XY16093	5 c	4.40
XY16094	5 1/2 c	4.95
XY16095	6 c	5.50
XY16096	7 c	5.95

### Battery Clips Heavy Spring

XY16062 - No. 210A, 2" long	5c
10 for 47c. Each	
XY16061 - No. 210B, 2" long	3c
10 for 28c. Each	
XY16060 - No. 210C, 2" long	3c
10 for 28c. Each	
XY16062 - No. 210A, 2" long	9c
10 for 80c. Each	

### Truest Automobile Battery Charger

This is a new and improved charger which will charge your battery up to its full capacity in 12 hours.

You can be assured to be well informed as to the increased demand for your automobile battery due to the use of your car and other accessories of present day cars. Attach the charger on a portable in the dashboard of your car and attach the leads from the charger to the battery and you can charge your battery up to its full capacity in 12 hours.

**XY16200 - Your Cost \$4.95**

### NATIONAL Velvet "B" Eliminator

Eliminates 1 to 8 tubes without touching power tubes. It is used with admirable ease giving the following results:

- 2-40 for detector, 2-40 for 2nd A.F. stage, 2-40 for 2nd A.F. stage and full 100 volts for 2-40 for 2nd A.F. stage.

**XY16380 - \$16.50 Your Cost Less Tax \$9.70**

### Hydrometer

Used to test for acid and to measure the strength of the battery.

**XY16381 - Your Cost Each 28c**

### Tungar 5 Amp. Charger

A new GE Tungar 5 Amp. Charger for charging any 6 volt battery at 5 amp. It is used with any 6 volt battery and is a very convenient and efficient charger. It is used with any 6 volt battery and is a very convenient and efficient charger. It is used with any 6 volt battery and is a very convenient and efficient charger.

**XY16382 - Your Cost, Complete \$9.48**

### Glass Enclosed Crystal Detector



Dust-proof. Super-sensitive crystal and easily adjusted cats-whisker that will hold its position.  
**XN13916—** **22c**  
 Your Cost

### Mounted Galena Crystal

Carefully tested and mounted crystals.  
**XN13900—** **6c**  
 Your Cost



### Super-Sensitive Crystal

Gets more stations because it's extra-sensitive.  
**XN13901—** **14c**  
 Your Cost



### Fixed Crystal

A sensitive crystal with a permanently fixed contact. Carefully tested.  
**XN13913—** **45c**  
 Your Cost



### Crystal Detector



Ball and socket swivel adjustment.  
**XN13917—** **12c**  
 Your Cost

### Crystal Receiving Set

This little set using a specially developed crystal for detection gives surprisingly good results. Complete with crystal and cats-whisker. Shpg. wt. 2 lbs.  
**XN13879—** **79c**  
 Your Cost



### Ear Phone Cushions

These cushions made of soft rubber protect the ears from the pressure of headphones.  
**XN13940—** **25c**  
 Your Cost, Pair



### ACME Headphones



Wt. 5 ozs. These phones are efficient, small in size, light in weight, and easily adjusted. The articulation is clear. Shells of polished aluminum. Shpg. wt. 1 lb.  
**XN13927—** **98c**  
 Your Cost, 2000 ohms.  
**XN13928—** **1.25**  
 Your Cost, 4000 ohms.

### NATHANIEL BALDWIN Type "C" Phones

This excellent phone has held a well-deserved popularity for many years. Extreme sensitivity and rugged construction make them the choice of professional and amateur alike. Micz diaphragms and balanced armature construction with powerful permanent magnets. Shpg. wt. 2 lbs.  
**XN13920—** **3.65**  
 Per Pair



## RADIO SETS for the beginner



### PHILMORE 1, 2, and 3 Tube Sets

These compact little battery operated receivers have been especially designed for the beginner and for use as an extra set for use in the playroom, etc. Simplified single dial tuning permits operation by even the most inexperienced person. New type tubes keep the current consumption extremely low and make them economical to operate.

#### 1-TUBE SET

**XN13880—** Requires two dry "A" battery, one 22½-volt "B" battery and one Type 230 tube; headphones and aerial.  
**Your Cost \$4.20**  
**XN13881—** Complete with batteries and tube (no headphones or aerial). Shpg. wt. 15 lbs.  
**Your Cost \$5.85**  
 Each

#### 2-TUBE SET

**XN13882—** Requires two dry "A" batteries, one 45-volt "B" battery, two Type 230 tubes; headphones and aerial. Shpg. wt. 9 lbs.  
**Your Cost \$5.25**  
**XN13883—** Complete with batteries and tubes (no headphones or aerial). Shpg. wt. 27 lbs.  
**Your Cost \$7.55**  
 Each

#### 3-TUBE SET

**XN13884—** Requires two dry "A" batteries, two 45-volt "B" batteries, one 22½-volt "C" battery, two Type 230 and one Type 231 tubes. Headphones or magnetic speaker and aerial. Shpg. wt. 33 lbs.  
**Your Cost \$7.45**  
**XN13885—** Complete with tubes and batteries (no headphones or aerial). Shpg. wt. 9 lbs.  
**Your Cost \$11.75**  
 Each

#### SPECIAL AERIAL AND HEADPHONE KIT

A specially matched set of headphones and complete aerial-ground equipment for use with any of the Philmore sets listed on this page. Shpg. wt. 5 lbs.  
**XN13890—** **\$1.38**  
 Your Cost

### "Little Wonder" Crystal Sets



**55c**  
 NET

The most inexpensive radio receiver on the market. Using no batteries or power of any kind; good, clear reception can be had within 10 to 25 miles of the broadcast station, depending upon local conditions. Shpg. wt. 1 lb.  
**XN13889—** **55c**  
 Your Cost Each

### "Selective" Crystal Set



**\$2.45**  
 NET

A more advanced type of crystal set having a tapped inductance and a variable condenser. Enclosed crystal detector and terminals for two pairs of phones. Shpg. wt. 5 lbs.  
**XN13886—** **\$2.45**  
 List \$5.00  
 Your Cost

## HEADPHONES



### FROST DX Special Phones

**20,000 Ohms Impedance**  
 These phones fully meet the requirements of amateurs and DX fans. Are extremely sensitive. Easily adjustable; can be worn for hours without the slightest discomfort. Magnets are of a special steel; diaphragms of finest gauge metal. Shells of polished aluminum with black composition caps. Equipped with a five-foot flexible cord. Impedance of 20000 ohms.  
**XN13931—** **\$2.50**  
 Your Cost

### FROST Standard

Long a big favorite with the radio man because of their all-round high quality, lightness of weight, and ease of adjustment for perfect comfort. Carefully and scientifically made. Shpg. wt. 2 lbs.  
**XN13932—** **\$1.48**  
 Per Pair, 2000 Ohms  
**XN13933—** **\$1.65**  
 Per Pair, 3000 Ohms

### CANNON BALL Phones



A high grade, extremely sensitive pair of headphones at a price that defies competition. Aluminum shells. Adjustable web covered headbands. Molded hard rubber caps. Total resistance 2000 ohms. Complete with cords. Shpg. wt. 2 lbs.  
**XN13930—** **\$1.25**  
 Your Cost



**XN13925—** **\$1.49**  
 Per Pair  
**XN13936—** Extra Caps, **\$0.22**  
 Each



### Extension Cords

**Tinsel Centers**  
 Double covering of cotton insulating braid. Not suitable for carrying heavy current. Pin tips both ends.  
 Stock No. Length Your Cost  
**XN13945—** 10 **\$0.18**  
**XN13946—** 20 **.24**  
**XN13947—** 30 **.35**  
**XN13948—** 40 **.45**  
**XN13949—** 50 **.52**  
**XN13950—** 100 **.98**

**Stranded Copper Wire Center**  
 Designed for heavier usage than the tinsel type. Rubber insulation with outside covering of cotton braid. Pin tip ends.  
 Stock No. Length Your Cost  
**XN13951—** 10 **\$0.30**  
**XN13952—** 20 **.48**  
**XN13953—** 30 **.75**  
**XN13954—** 50 **1.10**

### Extension Cord Connector

Has two openings at either end for inserting two pin tips. Made of brown bakelite.  
**XN13051—** **8c**  
 Each  
 Per dozen **\$0.85**



### Phone and Speaker Cords

Five-foot double cord. Spade tips one end; straight tips other. Cotton braid cover.  
**XN13955—** List \$0.55 **19c**  
 Your Cost Each  
 As above with straight tips both ends.  
**XN13956—** **19c**  
 Your Cost Each  
 Five-foot single cord with straight tips both ends.  
**XN13957—** **15c**  
 List \$0.35  
 Your Cost Each

### Double Phone Plug



Will take one or two, phone or speaker cords or a combination of both. Colored Amerlay cap. Red, Blue, Green, Black. Metal nicked. Has a loop.  
**XP14886—** Specify color. **19c**  
 Your Cost Each

### TRIMM Featherweight Phones Wt. only 4 ozs.

One of the finest headsets ever designed. Despite their high quality and excellent performance they weigh only 4 ozs. Complete including the headband and the cord! Bakelite shell and cap. Forged cobalt steel magnets. Adjustable spring steel headband. Impedance 24000 ohms per pair. Shpg. wt. 1 lb.  
**XN13919—** List \$10.00  
**Your Cost, \$5.95**  
 Per Pair



### BRANDES PHONES

Scientifically made and designed for those demanding a superior article. They are full-size yet are unusually comfortable to wear. Shells are of polished aluminum. Resistance 2000 ohms. Adjustable. Web covered flexible steel headband. Complete with cord. Shpg. wt. 2 lbs.  
**XN13937—** Extra Diaphragms, **\$0.08**  
 Each  
**XN13938—** Extra Headband, **\$0.30**  
 Each





# Noise Filterettes



## Line Filterette RF-2



To eliminate radio receiving the noise through the power line, connect between the line and the power. This will be applied to the desired appliance. We recommend the use of the Model RF-2 Filterette. It is a combination with line noise filter, 2 1/2 lb.

XL12608 - List \$4.35 **Your Cost \$2.90**

## Filterette 110-PO



For protecting radio from noise caused by electric lighting, cooking stoves, washing machines, etc. Contained in a metal case. Dimensions: 4 1/2" x 3 1/2" x 1 1/2". It is a combination with line noise filter, 2 1/2 lb.

XL12632 - List \$10.50 **Your Cost \$6.18**

## Radio Noises and Their Cure



This Filterette will eliminate radio noise caused by electric lighting, cooking stoves, washing machines, etc. Dimensions: 4 1/2" x 3 1/2" x 1 1/2". It is a combination with line noise filter, 2 1/2 lb.

XL12695 - List \$3.50 **Your Cost 35¢**

## Inductive Capacitive Filterettes

Designed for application to motor, generator, lamp filaments, vacuum tube heaters, etc. Connected in series between the line and the appliance. Dimensions: 4 1/2" x 3 1/2" x 1 1/2". It is a combination with line noise filter, 2 1/2 lb.

XL12683 - List \$12.50 **Your Cost \$7.15**

XL12681 - List \$20.00 **Your Cost \$11.76**

XL12682 - List \$30.00 **Your Cost \$17.64**



## Filterette Senior



Especially recommended for portable and mobile applications. Dimensions: 4 1/2" x 3 1/2" x 1 1/2". It is a combination with line noise filter, 2 1/2 lb.

XL12600 - List \$5.50 **Your Cost Each \$3.24**

## Capacitive Filterettes



A pure inductive type that does not use capacitors. To be used with motor, generator, transformer and other electrical apparatus. Dimensions: 4 1/2" x 3 1/2" x 1 1/2". It is a combination with line noise filter, 2 1/2 lb.

XL12678 - List \$10.00 **Your Cost \$5.88**

Stock	Model	Voltage	List Price	Your Cost
XL12630	11	110 V. A. C.	\$22.50	\$15.84
XL12631	22	220 V. A. C.	\$22.50	8.12
XL12692	22	220 V. A. C.	\$22.50	8.12
XL12677	22	220 V. A. C.	\$22.50	11.76

## Oil Burner Filterette OB-110

A special model for that most annoying of all indoor noises, the oil burner. This model can be used on practically all makes of oil burners. Dimensions: 4 1/2" x 3 1/2" x 1 1/2". It is a combination with line noise filter, 2 1/2 lb.



XL12609 - List \$8.50 **Your Cost \$5.60**

FOR A COMPLETE LISTING OF TOBE FILTERETTES WRITE FOR SPECIAL CATALOG

## CORNELL-DUBILIER Noise Filters



Type IF-1

Of the highest capacity type. Connects in series between the line and the appliance. Dimensions: 4 1/2" x 3 1/2" x 1 1/2". It is a combination with line noise filter, 2 1/2 lb.

XD351 - List \$5.00 **Your Cost \$2.94**



Type IF-2

For current line noise. Connects in series between the line and the appliance. Dimensions: 4 1/2" x 3 1/2" x 1 1/2". It is a combination with line noise filter, 2 1/2 lb.

XD354 - List \$3.00 **Your Cost \$1.18**

## FILTERVOLT



Senior Model

A heavy duty model which filters out all radio noise. For use on all types of motor, A.C. or D.C. It is a combination with line noise filter, 2 1/2 lb.

XL12613 - List \$12.00 **Your Cost \$7.35**



Popular Model

An efficient capacity type noise eliminator. Can be installed in series or at source of noise. Dimensions: 4 1/2" x 3 1/2" x 1 1/2". It is a combination with line noise filter, 2 1/2 lb.

XL12617 - List \$4.50 **Your Cost \$2.65**

## Dynatrol

A low price and efficient noise eliminator. Dimensions: 4 1/2" x 3 1/2" x 1 1/2". It is a combination with line noise filter, 2 1/2 lb.

XL12633 - List \$1.00 **Your Cost 88¢**

## Aerial Eliminators Insultenna

Removes outdoor antenna. Dimensions: 4 1/2" x 3 1/2" x 1 1/2". It is a combination with line noise filter, 2 1/2 lb.

XR16166 - List \$2.00 **Your Cost \$1.22**

## TOBE No-Tenna

Connects in series between the line and the appliance. Dimensions: 4 1/2" x 3 1/2" x 1 1/2". It is a combination with line noise filter, 2 1/2 lb.

XL12696 - List \$1.00 **Your Cost 59¢**

## DUBILIER Ducon

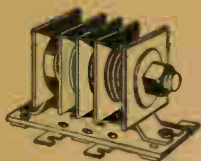
An improved type of line noise filter. Dimensions: 4 1/2" x 3 1/2" x 1 1/2". It is a combination with line noise filter, 2 1/2 lb.

XL12635 - List \$1.00 **Your Cost 58¢**



# VOLTAGE REGULATORS & RECTIFIERS

## ELKON Rectifiers



Type  
**XB-16**

Used on the following "A" eliminators: Majestic, Mayolian, Knapp, Elkton, Philco, Webster, Metro, Fada, Bernard, General Inst., Sentinel and Briggs and Stratton. 3 amps. Shpg. wt. 4 lbs.  
**XA431—**  
**Your Cost.....\$3.73**

## ELKON U20 Rectifiers



Used in the early model Fada and Farrand, etc., speakers. Input 20 volts A.C.; output 12 volts D.C. at 1 ampere. Shpg. wt. 4 lbs.

**XA433—**  
**Your Cost.....95¢**

## B-L Rectifying Units



For dynamic speakers, "A" powers, signaling equipment, etc. Type B12 is for "A" eliminators such as Acme, Sterling, Arco, Stewart, France, Green-Brown, etc. Type B16 is for Green-Brown Type D, Norden-Hauck, Tohe-Deutschman, Webster, Valley type DMA, etc. Shpg. wt. 3 lbs.

**XA435—Type B-12. List \$4.50**  
**Your Cost.....\$2.65**

**XA436—Type B-16. List \$5.00**  
**Your Cost.....\$2.94**

## I. C. A. Resistovolt

Meets an existing condition in practically all households, namely voltage fluctuation. The function of the Resistovolt is to level out the supply at all times, so as to give the most efficient operating voltage. Shpg. wt. 1 lb.

**XL12605—**For sets using 6 tubes or less. **XL12606—**For sets using more than 6 tubes. **List \$1.75**  
**Your Cost, Either...\$1.03**



## Universal Resistovolt

Protects tubes, condensers and reduces hum by counteracting line voltage surges. Made by ICA. Shpg. wt. 8 oz.

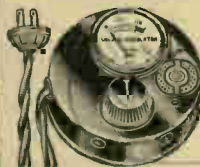
**XL12613—**For sets using 6 tubes or less. **XL12620—**For sets using more than six tubes. **List \$1.25**  
**Your Cost, Either...69¢**

## Automatic Line Voltage Control

A dependable voltage regulator. Small, neat, compact. Fits any standard outlet. For all A.C. sets up to 9 tubes. Steel clad, air-cooled. Shpg. wt. 8 ozs. **List \$1.25**  
**XR16955—Your Cost...38¢**



## READRITE A. C. Line Voltage Regulator



Very desirable for use ahead of A.C. radio sets where line voltage fluctuates. Saves tubes and condensers. Has dial and rheostat by means of which voltage may be adjusted to exactly 110 volts. Baked enamel finish. Shpg. wt. 3 lbs.  
**XK11021—List \$7.25**  
**Your Cost.....\$4.25**

## CLAROSTAT Line Ballasts

Real compensation for line voltage changes is available for radio sets and amplifiers designed for use with the Line Ballast. The Clarostat Line Ballast will cover a range of from 95 to 135 volts. **GUARANTEED REPLACEMENT FOR THE FOLLOWING RECEIVERS:**

Stock No.	Replacement For	Type No.
XF6803	Belmont	2518
XF6804	Bremer-Tully	2169
XF6805	Brunswick	2179
XF6806	Clarion	2408
XF6807	Grebe	6412
XF6808	Grebe	6420
XF6809	Grebe	6310
XF6805	HiQ 30	2179
XF6806	HiQ 31	2408
XF6807	Kennedy	6412
XF6809	Kyletron	6310
XF6816	Majestic 70	1516
XF6817	Majestic 72	1508
XF6818	Majestic 80	1012
XF6819	Majestic 90	1210
XF6820	Baldwin	2516
XF6809	Peerless	6310
XF6805	Scott	2179
XF6805	Silver	2179
XF6820	Simplex	2516
XF6805	Sonora	2179
XF6803	Starck Piano	2518
	Stewart Warner	
XF6823	Model 900-61816	5001
XF6824	Model 950-62152	5002
XF6825	Model R100-66756	5003
XF6809	United Reproducer	6310

**List \$2.50**  
**Your Cost Each \$1.25**

## Neon Glow Lamps



Types S14 and G10 have medium base. Type S4 1/2 has a candelabra base.

Watts	Bulb	Current
1/2	S4 1/2	A.C.-D.C.
1	G10	A.C.-only
1 1/2	G10	A.C.-D.C.
2	S14	A.C.-D.C.

**Your Cost Each**

Watt	Type	Each
1/2	S4 1/2	36¢
1	G10	1
1 1/2	G10	2
2	S14	45¢

## Genuine Tungar Bulbs



The Genuine G.E. Tungar. Used in battery chargers, "A" eliminators, etc. All guaranteed perfect. Tested before shipment.

**Stock No. Type Your Cost**  
**XZ21900** Trickle **\$2.72**  
**XZ21901** 2 amp. new  
**XZ21902** 2 amp. old  
**XZ21903** 5 amp. .... \$5.45

## Tungar Type Bulbs

First quality, thoroughly reliable units for use in chargers, "A" eliminators, etc. Guaranteed new and perfect merchandise. Each bulb is individually tested before shipment and carefully packed. Shpg. wt. 1 lb.

**XZ21905—**6/10 amp. bulb for Trickle Chargers. **\$1.70**  
**Your Cost Each.....**  
**XZ21906—**2 amp. bulb with tip. **\$1.85**  
**Your Cost Each.....**  
**XZ21907—**2 amp. bulb without tip. **\$1.85**  
**Your Cost Each.....**  
**XZ21908—**6 amp. bulb. **\$4.45**  
**Your Cost Each.....**

## Special BH Type Rectifier Tube



Ideal for all replacement purposes. No filament voltage required. Maximum RMS voltage per anode 350 volts at 125 M.A. At this special price, every serviceman should stock a few. This type of tube has been used in practically every popular make of eliminator on the market.

**XZ21910—**  
**Your Cost Each, Special 95¢**



# AMPERITE

## Improve the Set with a Real Regulator

### Amperites

Don't just repair—improve the set. It takes less than an hour of high line voltage to overload condensers and resistances—making them noisy. Keeping the voltage constant will mean elimination of crackling noises. Better and more uniform reception. And no power pack burn outs.

Amperite is a real regulating voltage control. It is the control recommended by all leading set manufacturers, such as RCA-Victor, Zenith, Bosch, etc. Easily installed in five minutes.

### New Amperite Prices

**XV19100—List \$3.00**  
**Your Cost (specify type or set model) \$1.25**  
**XV19101—**Socket for inserting Amperite in line. **List 25c. Your Cost 15¢**

### AMPERITES for the New 2 Volt Tubes

In the new type battery receivers, employing 2 volt tubes, it is important that the battery voltage be kept constant. Avoid burnouts, breakdowns and poor reception. The following types are available:

6A 5E1 (1A1) 30  
10AB 52 31  
**XV19104—List \$3.00**  
**Your Cost, Any Type.....\$1.25**

### Amperite for Automobile Sets

Storage battery of car varies 5.5 to 8 volts—31%—depending upon speed of car and battery condition. Easily installed—gives uniform reception.  
**XV19102—List \$3.00**  
**Your Cost (Complete).....\$1.25**

## New Amperite Chart

	No. Tubes Use in Set	Amperite
The Amperite for any 110v. A. C. set can be determined approximately from the following chart.	4-5	5-A-5
	6-7	7-A-5
	8, 9-10	9-A-5
	11-12	11-A-5
And for sets using 50 type tubes.		
7 to 11 tube sets (1-'50) Amperite		13-A-5.
7 to 11 tube sets (2-'50s) Amperite		20-A-5.
110 volt D. C. sets use Amperite		20-A-5.

### Amperite for Special Sets

Brunswick 14; 21; 31	9-20
Brem. Tully S-81; S-82	9-20
Gen. Elec. H-31; H-51	9-V-10
Hamm. Roberts H Q-31	10-10
Hamm. Roberts H Q-30	11-20
Kyletron K-71; K-72; 876	11-20
Majestic 90; 91; 92	90
Majestic 70; 71; 72	70
Peerless 21 to 25	11-20
Scott A. C. 10	12-20
Star Raider	18-10
Victor R-32; 52	10-V-10

**THERE IS AN AMPERITE FOR EVERY SET**

To Speed Handling of YOUR Order--Use Our Order Blank

# — ANTENNAS —

## Aero Aerial Wire

Many strands of very fine wire of high conductivity which is in a special covering of natural buff color. An indoor aerial of unusual efficiency. This wire is used as standard equipment on many AC-DC receivers, 100 P.P., etc. Slng. wt. 8 oz.

**XR1617**  
Your Cost Each ..... **15¢**  
Per Doz. .... \$1.50



## "AMERICAN" All Directional Antenna

Equal length elements from all directions. This antenna is particularly suitable for all-wave receivers. It consists of a pair of copper drum 14 in. diameter and is equipped with a collar for mounting to a wall or metal post. The antenna is especially suitable for use in apartment houses where space is limited. The only wire necessary being the lead-in which is quickly and easily attached by means of a clip provided on the antenna. Many other uses of this aerial in addition to their regular broadcast service. Slng. wt. 8 oz.

**XR17119** All Directional Aerial Kit \$4.00.  
Your Cost Each ..... **95¢**  
**XR17118** 8 ft. metal extension mast for above aerial.  
Your Cost Each ..... **95¢**



## Sticktape Aerial

Adhesive tape aerial. Stick to any surface. Highly efficient. Slng. wt. 8 oz.

**XR16164**  
Kit 1.  
Your Cost ..... **53¢**



## Ribbon Aerial

Consists of a gold colored metal braided woven into a strand of fabric about 1/2" wide. A neat and efficient aerial for storage always available on hand. Held in place by thumb tacks. Slng. wt. 8 oz.

**XR16163**  
Your Cost ..... **29¢**

## "DX" Aerials for T.R.F. Sets

Guaranteed to work. Easy and quick to install. Non-directional. Fully assembled aerial, ready to string up. Ideal for short range. 5 heavy zinc spaced in. Length 20 ft. Contains 100 ft. rubber covered lead-in. Slng. wt. 8 oz.

**XR17122**  
Your Cost ..... **\$1.35**

Non-DX (Highly efficient) ideal for all wave. 6 rubber spaced length 30 ft. Contains 100 ft. rubber covered lead-in and has 25 ft. rubber covered lead-in. Slng. wt. 6 lb.

**XR17121**  
Your Cost ..... **\$1.85**



## "DX" Cage Aerials for All Receivers

For use on outside walls, under eaves or in corners. Absolutely non-directional. Especially for use with superheterodynes. Has 10 ft. rubber covered lead-in attached to aerial. Length 12", height 8". Shipping weight 6 lbs.

**XR17129**  
Your Cost Each ..... **\$1.10**



## Window "DX" Aerial

This is a fine wire cage aerial similar to the above, with the exception that it has two 10" x 10" pieces of heavy tin to support the cage vertically inside of the window. It especially suits use with superheterodynes, which require an aerial of this capacity in a small area. The main reason for this is that a long aerial picks up considerable interference, while a short aerial with antenna tuner in the same level. This DX aerial uses sharp wire and is weather resistant, and has soldered lead-in. This is a unit of the highest attainable efficiency and is particularly adaptable for use on all of the new high gain sets. Is non-directional. Shipping weight 6 lbs. Length 3 feet. Contains 25 ft. rubber covered lead-in and metal spread.

**XR17128**  
Your Cost ..... **95¢**

## "DX" Roof-Perch-Attic Aerial

Length 3 ft. Has 10 ft. of rubber covered lead-in soldered to aerial. Ideal for space limited, and narrow "high-gain" sets. Used by many districts as regular or ultimate because of its ease, easy installation and high efficiency. Fully assembled, ready to "string up." Slng. wt. 3 lb.

**XR17124**  
Your Cost ..... **75¢**

## Most Powerful Antenna Made

No. 60—An exceptionally powerful aerial, 6 square ft.; length 30 ft. Contains 200 ft. wire, 25 ft. rubber-covered lead-in. Slng. wt. 8 lb.

**XR17123**  
Your Cost Each ..... **\$2.35**

**Inside or Outside "DX" Aerial**

A powerful aerial for all sets. Made of solid copper metal. Refers by means of aerial will be not visible from inside. May also be used inside in window frame back of curtain. Complete with brackets and rubber lead-in. Illustration for use windows. 30 ft. of material. Slng. wt. 3 lb.

**XR17127** Your Cost Each ..... **\$1.10**

## GIANT DX ROOF AERIAL

**"SUPER POWER ON DISTANCE"**

READY TO STRING UP

10 FOW. CAGE

150 FT. OF 7 STRAND COPPER WIRE

Super power on distance. Ready to string up. 10 ft. rubber lead-in. Very powerful without loss of selectivity. 10 ft. cage with 100 ft. 7-strand copper wire. Slng. wt. 1 lb.

**XR17128**  
Your Cost ..... **\$2.25**

Same as above, except with 50 ft. 7-strand wire. Length 10 ft. Slng. wt. 4 lb.

**XR17127**  
Your Cost ..... **\$1.20**

## Tubular Steel Masts

Made of welded steel tubing with black enamel or stainless finish. Guy wire included.

**MADE IN FOUR SIZES**

**XR17139**—Single Section, 8 ft. Slng. wt. 2 1/2 lb.  
Your Cost Each ..... **49¢**

**XR17142**—Double Section, 6 ft. Slng. wt. 1 1/2 lb.  
Your Cost Each ..... **98¢**

**XR17143**—Triple Section, 9 ft. 4 in. Slng. wt. 6 1/2 lb.  
Your Cost Each ..... **\$1.47**

**XR17144**—Quad Section, 12 ft. 9 in. Slng. wt. 8 1/2 lb.  
Your Cost Each ..... **\$2.25**



## Lafayette Aerial Kits

Everything necessary for an efficient aerial installation. All items are of the very best quality. Ideal for the dealer furnishing a complete system, or with minimum investment for the amateur.

Shipping weight 4 lbs. Contains the following:

1. 100 ft. 1/2" Copper Wire, 20 ft. 1/2" Rubber Covered Lead-in, Wire, 25 ft. Rubber Covered Ground Wire, 1 Approved Antenna, 1 Copper Ground Clamp, 1 Lead-in Grip, 2 Porcelain Insulators, 2 Nail Knives.

**XR16478**—List \$1.40  
Your Cost ..... **73¢**



## Standard Aerial Kit

A low price kit containing all essential for a dependable and efficient aerial system. A very good double section. Shipping weight 2 lbs. Contains: 100 ft. 1/2" Copper Wire, 25 ft. Rubber Covered Lead-in, 2 Porcelain Insulators, 1 Copper Ground Clamp, 1 Lead-in Grip, 2 Nail Knives.

**XR16477**—List 90c  
Your Cost ..... **49¢**

## Economy Aerial Kit

Especially designed for Midsize Sets. The 100 ft. kit on the market made up of best quality materials. Shipping weight 2 lbs. Contains: 100 ft. 1/2" Copper Wire, 25 ft. Rubber Covered Lead-in, 2 Porcelain Insulators, 1 Copper Ground Clamp, 2 Lead-in Grips, 2 Nail Knives.

**XR16476**—List 75c  
Your Cost ..... **39¢**

## New PREMAX Mast

Easy to use, pre-engineered design, durable and low in cost. 10 ft. mast with 100 ft. of 7-strand copper wire with 25 ft. of Paraffin-impregnated rubber covered lead-in. Adjustable mast for that or double mast. 3 1/2 ft. high. Complete with 25 ft. wire, 25 additional insulators, 2 approved antennas, Slng. wt. 2 1/2 lb.

**XR17138**  
Your Cost Each ..... **39¢**



## Ground Rods

New design with clip which makes positive and permanent connection. Easy to use. For driving lead-in to ground steel, minimum length. Can be used wherever a water pipe cannot be had available. For protection of transmitters. Slng. wt. 2 lbs.

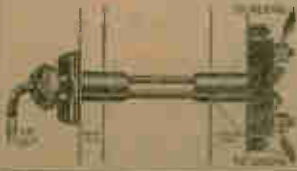
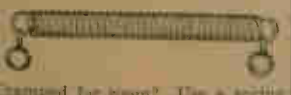
Slng.	Length	Your Cost Each	Per Doz.
<b>XR17147</b>	2	30c	\$3.60
<b>XR17148</b>	4	40c	\$4.80



## Spring Aerial

Designed for "boom" use. A testing aerial, 100 ft. of brass wire is strung into a spring that can be stretched to any length. Essential for use with variable capacitors and solenoid coils. Slng. wt. 2 1/2 lb.

**XR17136**  
Your Cost ..... **34¢**



**Super-Thru-Lead-In Combined Radio Outlet and Aerial-Ground Fitting with Lightning Arrestor.**

Approved by The United States Department of Commerce for use with Radios.

**XR17147**—List \$1.50  
Your Cost ..... **88¢**

# AERIAL ACCESSORIES

## Lead-in Strips

Copper Coils with soldered lead-in for quick installation. Length 12". Has two screw type terminals which make better connections and a neater appearance than most other strips. Quickly installed.

**XR17100**  
Your Cost Each ..... **5¢**  
100 for \$4.50

**XR17101**  
Your Cost Each ..... **4¢**  
100 for \$2.90

## Antenna Spring



Take up slack in aerial. Spring  
**XR16980** Your Cost Each **7¢**

## Porcelain Tubes



For lead-in. 1/4" diameter.  
**XR16860** 6" long ..... **3¢**  
Each ..... \$2.25  
Per 100 ..... **3¢**  
**XR16861** 9" long ..... **3¢**  
Each ..... \$2.25  
Per 100



## Antenna Wire

We guarantee our wire to be first quality. Full length and standard gauge as specified. It has been tested to our satisfaction that we have the cutting edge lengths and will fit snugly over wire in order to make a low loss. Our prices are the very lowest, consistent with standard size, length and quality.

## Bare Copper Wire

**7 27 STRANDED**  
**XQ16112** 100 ft. coils.  
Single Lots of 25 Each 50 Each  
15c 14c 13c

**7 26 STRANDED**  
**XQ16113** 100 ft. coils.  
Single Lots of 25 Each 50 Each  
18c 16c 15c

**7 24 STRANDED**  
**XQ16114** 100 ft. coils.  
Single Lots of 25 Each 50 Each  
21c 20c 19c

**7 22 STRANDED**  
**XQ16115** 100 ft. coils.  
Single Lots of 25 Each 50 Each  
24c 23c 22c

**No. 10 SOLID ENAMELED**  
**XQ16120** Per Ft.  
1c 7c

## Enameled Copper Wire

The very best grade enamel; will take case of heat. Guaranteed full insulation and life.

**7 24 STRANDED**  
**XQ16116** 100 ft. coils.  
Single Lots of 25 Each 50 Each  
30c 28c 28c

**7 22 STRANDED**  
**XQ16117** 100 ft. coils.  
Single Lots of 25 Each 50 Each  
40c 38c 35c

**No. 14 SOLID**  
**XQ16118** 100 ft. coils.  
Single Lots of 25 Each 50 Each  
36c 35c 32c

**No. 12 SOLID**  
**XQ16119** 100 ft. coils.  
Single Lots of 25 Each 50 Each  
47c 46c 43c

## Pipe Strips



A strip of pipe with holes an inch intervals which clamp in wire. Suitable for any size pipe up to 2" in diameter. Has spring clip for attaching ground wire.  
**XR17102**  
Your Cost Each ..... **3¢**  
10 for ..... 25 50 for ..... \$1.20

## Our Special Ground Clamp



A very special value. Makes a close grip on pipe. Has sharp pointed wire that penetrates surface and makes perfect contact. For screw for connecting ground wire.  
**XR17105**  
Your Cost Each ..... **4¢**  
10 for ..... 10.42 100 for ..... \$3.25

## Ground Clamp

Standard type. Slips down over threaded end of pipe. Insures good contact. For screw up to 1/2".  
**XR17103**  
Your Cost Each ..... **10¢**  
10 for ..... \$1.10

## Antenna Lead-in Clip



Heavy bronze clip to fasten lead-in to antenna.  
**XQ15058**  
Each ..... **9¢**

## Push-Clips

Delivered in 1/2" lengths.  
**XR16990**  
Your Cost ..... **10¢**  
Per 100 ..... \$2.75

## Antenna Turnbuckles



For tightening aerial wire. Cast brass will not rust. Ship. W. 1 lb.

Stock No.	Extended Travel Length	Your Cost
<b>XR16715</b>	40"	\$3.14
<b>XR16716</b>	50"	2.38
<b>XR16717</b>	60"	2.38

## AERIAL, LEAD-IN INSULATORS

**Nail-it Knobs**  
Heavy white porcelain nail knob. Leather washer under nail head prevents breaking knob when fastening. Height 1 1/2".  
**XR16977**  
Your Cost Each ..... **2 1/2¢**  
50 for \$1.10 100 for \$1.55

**Nail-it Knobs**  
Heavy rectangular knob with extra strong nail. Has leather washer under nail head to prevent breaking when fastening. Makes fast mounting easy. Price 10¢.  
**XR16978**  
Your Cost Each ..... **1 1/2¢**  
50 for 60c 100 for 85c

**Screw-in Knobs**  
For attaching lead-in to aerial wire to prevent pulling. With pointed threads for easy screw-in. With screw cap.  
**XR16972**  
Net Each ..... **2 1/2¢**  
12 for 27c 100 for \$1.90  
Net Each ..... **4¢**  
12 for 42c 100 for \$2.75

**Bakelite Insulated Screw Eyes**  
Stronger than porcelain.  
**XR16985**  
Your Cost Each ..... **2 1/2¢**  
Per Dozen ..... 27c  
**XR16986** 1/2" long.  
Your Cost Each ..... **4¢**  
Per Dozen ..... 48c

**Glass Insulators**  
Special porcelain glass insulators for aerial use.  
**XR16852**  
Your Cost Each ..... **3 1/2¢**  
Lots of 100 ..... \$2.65  
**XR16851**  
Your Cost Each ..... **4¢**  
Lots of 100 ..... \$3.50  
**XR16852** Length 1 1/2".  
Your Cost Each ..... **10¢**  
Lots of 100, Each ..... 9c

**Porcelain Insulators**  
Porcelain insulators for aerial use.  
**XR16803**  
Your Cost Each ..... **4¢**  
Per 100 ..... \$3.25

**Brown Porcelain**  
Brown porcelain insulators for aerial use.  
**XR16802**  
Your Cost Each ..... **2¢**  
Per 100 ..... \$1.75

**Screw Eyes**  
There is many ways to attach aerial wire to antenna.  
**XR16979**  
Your Cost Each ..... **1¢**  
100 for ..... 10c

## LIGHTNING ARRESTORS

**ICA Electrostatic**  
A lightning arrester and static eliminator in one. With an extra sensitive static eliminator. Made of porcelain. Suitable for any size antenna. Price 1.10.  
**XR16718** Your Cost **58¢**

**I. C. A. Champion Arrester**  
Flash shield porcelain for outdoor and indoor use. Also built weatherproof and non-polluting. Customarily used in power line construction.  
**XR16710**  
Your Cost **27¢**

**A Special Value!**  
Double especially well screened this line. A thoroughly reliable protection that can be installed at a low price without sacrificing the standard protection. Suitable for any size antenna.  
**XR16711** Your Cost **7¢**  
12 for 70c 100 for 65.50

**BRACH Vis-O-Glow Lightning Arrester**  
This lightning arrester is made of porcelain and has a glass lens which glows when a lightning strike occurs. Vis-O-Glow is entirely different from ordinary arresters. It is made of a special type of porcelain which is made to glow when a lightning strike occurs. It is made to glow when a lightning strike occurs. It is made to glow when a lightning strike occurs.  
**XR1700**  
List 1.00  
Your Cost Each ..... **59¢**

**S. H. Arrester Air Gap**  
All Bakelite. No porcelain. The top type. Price 1.10.  
**XR1676**  
Your Cost Each ..... **29¢**

**PARKSON Arrester**  
All Bakelite. No porcelain. Approved by the Underwriters.  
**XR16705**  
Your Cost Each ..... **10¢**

# NOISE REDUCING ANTENNAS & EQUIPMENT

## Lafayette De Luxe Hi-Fidelity All-Wave Kit




A new noise reducing antenna for use with all wave receivers. A new all wave receiver provides maximum match impedance and input impedance of the receiver. Kit includes 100' of antenna wire, 60' transmission cable, insulators, antenna and adjustable receiver transformers. Shpg. wt. 6 lb.

**XR17173** - Complete Kit as described above.  
**Your Cost \$3.95**

**XR1717** - Antenna and Receiver Transformers only.  
**Your Cost \$2.85**

**XR17152** - 100 ft. transmission line.  
**Your Cost, Per Coil \$1.18**

## "Double-Doublet" ALL WAVE AERIAL KIT



This new RCA All Wave "Double-Doublet" Antenna System is perhaps the greatest single step forward in antenna design since the introduction of all wave receivers. The complete installation consists of an interconnected pair of doublet antennas—one of which is tuned to approximately 45 meters—the other to approximately 42 meters, a special transmission line, a receiver matching transformer to match the antenna to the set, and all necessary wire, insulators, cambric tubing, ground clamp, etc., to complete the installation. Lightning arresters not supplied.

See your dealer or write to the address below for installing this aerial. An RCA "Certified Installation Certificate" is furnished with each kit. Packed in an attractive carton with full installation instructions.

Shpg. wt. 6 lbs.  
**XR17090** - List \$6.00  
**Your Cost \$3.60**

## New Akaformer Noise Reducing Kits



A new Akaformer noise reducing kit that promises to bring success between 10 and 600 meters. Consists of antenna and set, matching transformer and special insulated noise reducing transmission line. Additional receiver transformer may be attached if desired in order to operate more than one receiver. Shpg. wt. 8 lbs.

**XR12628**  
**Your Cost Complete Kit \$2.94**

**XR12629** - Additional Receiver Transformer  
**Your Cost Each \$1.32**

## BIRNBACH All-Wave Kit



Low priced and extremely simple to install. A special receiver coupler provides the correct impedance match between the transmission line and the receiver input. Everything necessary to install this highly efficient antenna system is included—this is a complete kit, not just a coupling kit. Two rolls of special antenna wire, 50 ft. of transposed transmission line, the all-wave coupler for the receiver and sufficient insulators are included. Shpg. wt. 4 lbs.

**XR17161** - List \$3.75  
**Your Cost \$2.20**

## TOBE Filterizer Kits



Developed for the elimination of noise picked up by the lead-in. Includes antenna and set couplers, and shielded lead-in. Shpg. wt. 6 lbs.

**XR12603** - Model 33 Kit  
**Your Cost \$3.20**

Model 32 Kit is exactly the same as above but includes power line filterette. The power line filterette is included to prevent noise entering the receiver via the power line.

**XR12604** - Shpg. wt. 7 lbs.  
**Your Cost \$5.85**

## Short Wave Antenna Kit



Designed primarily for short wave reception, this antenna has many special features. The Lynch S. W. Doublet Antenna Kit consists of the following: 35 Transposition Blocks; 2 Commercial Type Insulators; 1 Doublet Coupler, Line Impedance Matching Device; and 200 ft. Enamelled Short Wave Antenna Wire. Complete instructions furnished with kit. Shpg. wt. 6 lbs.

**XR17115** - List \$6.00  
**Your Cost \$3.53**

## LYNCH AERIAL KITS

### Transposition Blocks



The Lynch Transposition Blocks are the only transmitting aerials. Extremely durable yet light in weight. High resistance—minimum electrical loss. Shpg. wt. 1 lb.

**XR17110**  
**Your Cost, Kit of Ten \$1.62**

### Cage Aerial Spreaders



Made of Lynch's "Buzard" alloy light in weight. A cage aerial spreader is made for both receiving and transmitting. Shpg. wt. 2 lbs.

**XR17108** - List \$2.75  
**Your Cost for 10 \$1.62**

## All-Wave Antenna Kit



Equally efficient for use with either short wave or broadcast receivers. Especially suitable for use with all wave receivers that are not provided with special antenna input circuits. Provided with a special coupling device which enables the user to use a transposed transmission line without making any change in receiver. Kit includes the following parts: 15 inch transposition blocks; 8 Lynch commercial type insulators; 1 Lynch special universal coupler; line impedance matching device; and 200 feet HV MHO antenna wire. Complete instructions with each kit. Shpg. wt. 6 lbs.

**XR17117** - List \$6.50  
**Your Cost \$3.82**


## Hi-Fidelity All-Wave Kit



Includes: 1 Hi-Fi Receiver Coupling Transformer, 50 feet of Giant Killer cable, 125 feet of heavy Hi-Mo wire, 3 Navy insulators, 1 lead-in tube, 2 nail-on knots, 1 star lead insulator. Shpg. wt. 5 1/2 lbs.

**XR17159**  
**Your Cost \$4.05**

## Pigtail Lightning Arresters



The Lynch Pigtail Lightning Arresters provide sufficient protection for any receiver when connected directly between aerial and ground. Double type is especially intended for use with doublet antennas. Shpg. wt. 2 lbs.

**XR12659** - Double Arresters with mount  
**Your Cost \$73¢**

**XR12666** - Single Arresters with mount  
**Your Cost 45¢**

**XR12658** - Single Arresters low mount  
**Your Cost 30¢**

## Giant Killer All-Wave Antenna Kit



An incredibly yet highly efficient all-wave antenna kit. Uses the new Giant Killer lead-in cable. Better than a "twisted pair." Shpg. wt. 4 lbs.

**XR17154** - List \$3.50  
**Your Cost \$2.06**

## Hi-Fidelity Coupling Kit



Now, with this new coupling kit it is possible to use a doublet antenna with a noise reducing transmission line without incurring a loss on either the short or the long lead wires. In fact it actually shows a gain on both leads. The kit includes a Lynch Hi-Fi Antenna Transformer, a Hi-Fi Receiver Transformer and 50 feet of the new Giant Killer Transmission Cable. Shpg. wt. 4 lbs.

**XR17155** - List \$6.75  
**Your Cost \$3.97**


## Universal Coupler



This type permits use of an ungrounded transmission line with any type of receiver without sacrificing stability. In order to obtain the full efficiency of a doublet antenna, when used with an all-wave receiver, a coupler of this type is an absolute necessity. It is easy to attach and can be mounted anywhere near the set. Shpg. wt. 1 lb.

**XR17116** - List \$1.50  
**Your Cost 88¢**

## "De Luxe" Coupler



The most efficient type of antenna coupler ever designed. Completely shielded metal cabinet. Lightning arresters built in. Easy to attach. Reduces interference, improves signal strength. Shpg. wt. 7 lbs.

**XR17156**  
**Your Cost \$5.88**

# Transmitting AERIALS & EQUIPMENT

## TOBE All-Wave Aerial Kits



An entirely new kit that eliminates noises from both lead-in and power line. Can be used with either "L" or "doublet" type antennas

Special antenna and receiver transformers assure accurate impedance match. Switches on receiver transformer to adjust for broadcast or short wave reception. A special ungrounded type power line filterette prevents noise from the power line reaching the set. Shpg wt. 7 lbs.

**XR17157**—Model 34 Kit. Includes everything necessary—airial wire, insulators, filterized transmission line, ground clamp, ground wire, power line filter and antenna. **\$4.09**  
List \$6.95. **Your Cost**.....

**XR17158**—Model 35 Kit. Same as above but without line filter and aerial and ground equipment. (Coupling Kit.) **\$2.90**  
List \$4.95. **Your Cost**.....

## Exceptional Value!

### Ceramite Transposition Blocks



A standard design ceramite transmission block at an heretofore unheard of price! 2 1/4" x 2 1/2". Shpg. wt. of 10—1 lb.

**XR17089**—12 for 50c  
**Your Cost Each**.....

**5c**

### Shielded Transmission Cable



A special two-wire shielded cable for use as a transmission line for Short Wave Doublet Antenna systems. Wires are transposed within the cable and are heavily rubber covered. Cable is built up to a fairly large diameter so as to provide considerable space between the wires and the shield, thereby reducing losses to a minimum. **9c**

**XQ20860**—Per Foot.....  
50 Ft. \$4.25. 100 Ft. \$7.95

### 1 Wire Transmission Cable

A single wire shielded cable with considerable space between wire and shield as in the above cable. 1/2" in diameter. **7c**

**XQ20861**—Per Foot.....

### 'Doublet' Arrester



An arrester for a doublet type of antenna must be of the air gap type and be carefully insulated from ground. This arrester is made of fine quality porcelain smoothly glazed. Shpg. wt. 1 lb.

**XR16950**—**27c**  
**Your Cost Each**.....

### Airplane Insulator



A 1 1/2" strain insulator especially designed for use where space and weight is a factor of importance.

**XR17175**—**4c**  
**Your Cost Each**.....  
Per dozen..... 42c

## JOHNSON "Q" Antennas

For 10, 20, 40, 80, 160 Meters



The ideal Amateur Transmitting Antenna Systems. Will provide 100% more radiation with the same power than the ordinary doublet antenna. Matched impedance throughout. Negligible losses in entire system. Practically zero radiation from transmission line. No exact or

critical overall feeder lengths—line may be several thousand feet long if desired.

An accurate impedance match is obtained through the use of a (90%) quarter-wave line made of half inch aluminum tubing. Spacers of highly-vitrified glazed porcelain are equipped with adjustable clamps. Enameled copper-clad steel wire for antenna and feeders prevents stretching.

Kits include: suspension insulator assembly, copper clad steel antenna wire, two lengths of 1/2" diameter aluminum tubing, a supply of spacing bars, a template for lining up tubing and full instructions. Antenna insulators are not included—they should be chosen according to power used. Shpg. wt. 5 lbs.

**XR17162**—10 Meter Kit. **\$4.55**  
**Your Cost**.....

**XR17163**—20 Meter Kit. **\$5.82**  
**Your Cost**.....

**XR17164**—40 Meter Kit. **\$10.29**  
**Your Cost**.....

**XR17165**—80 Meter Kit. **\$19.25**  
**Your Cost**.....

**XR17166**—160 Meter Kit. **\$37.49**  
**Your Cost**.....

## NOTE

Give your X'mitter or receiver a chance to show what it can do. Install a REAL aerial. Listed on this page are all the parts you need.

## Truestest "Low Ohm" Wire



### For Aerials and Transposed Lead-ins

Especially designed to have a low resistance at high frequencies. Hard enough to prevent undue stretching yet soft enough to be easily worked. The heavy

grades are intended for the aerial proper and long transmission lines—the light for shorter lines. In 100 ft. coils or by the foot any length.

Shpg. wt. 3 lbs.  
**XQ16264**—Heavy Bare **75c**  
**Your Cost Per 100 Foot Coil**.....

**XQ16265**—Heavy Enameled **1c**  
**Your Cost Per Foot**.....

**XQ16266**—Light Enameled **1 1/2c**  
**Your Cost Per Foot**.....

**XQ16266**—Light Enameled **35c**  
**Your Cost Per 100 Foot Coil**.....

**XQ16266**—Light Enameled **1 1/2c**  
**Your Cost Per Foot**.....

**XQ16266**—Light Enameled **7 1/2c**  
**Your Cost Per Foot**.....

## LYNCH "Giant Killer" Cable



A new type of transmission cable for use with doublet aerials. Far better than twisted lamp cord which is often used

for this purpose. Heavy rubber outer covering. High voltage insulation. Shpg. wt. 50 ft. 2 lbs.

**XR17177**—50 ft. coil..... \$1.80

**XR17178**—100 ft. coil..... 3.60

**Your Cost Per Foot**..... **4c**

### 6" Feeder Spreader



For "Zepp" feeders. High insulating value.

**XR17176**—**18c**  
**Your Cost Each**.....

Per Dozen..... \$2.00

## Best Grade Lead-in Wire



A heavier and better grade of lead-in wire.

No. 14 tinned copper covered with a layer of rubber compound and a layer of rubber proof braid. Strips clean-

**XQ16203**—25 Ft. 50 Ft. 100 Ft.  
45c 78c

Single Lots 24c 43c 75c

Lots of 10 Ea. 23c 40c 70c

Lots of 25 Ea. 22c 40c 70c  
Shpg. wt. lbs. 1 2

## Shielded Lead-in



A fine quality shielded lead-in wire for broadcast antennas. Has a layer of cotton over which is a layer of pure live rubber and a tinned copper braid over-all. Skins easily and wire is tinned for easy soldering.

**XQ16212**—50 Ft. 100 Ft.  
Each..... 45c 88c

Shpg. wt. lbs. 1 2

## Lead-in Wire

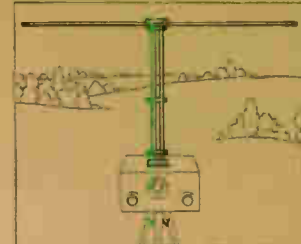
Very good quality. No. 17 copper well insulated with pure rubber.

**XQ16200**—25 Ft. 50 Ft. 100 Ft.  
Single Lots..... 10c 18c 33c

Lots of 10 Each..... 9c 17c 31c

Shpg. wt. lbs. 1 2

## JOHNSON 5 Meter "Q"



The "Q" system applied to 5 meter work provides an antenna system that is highly efficient and very compact. Can be attached directly to the transmitter or supported at a distance and connected with a transmission line. Shpg. wt. 5 lbs.

**XR17167**—Complete Antenna with porcelain insulation. **\$3.82**  
List \$6.50

**Your Cost**.....

**XR17168**—As above with Mycalex insulation. **\$5.58**  
List \$9.50. **Your Cost**.....

**XR17169**—Mounting Jack Strip. **\$1.18**  
List \$2.00. **Your Cost**.....

**XR17170**—Lug Terminal Strip. **59c**  
List \$1.00. **Your Cost**.....

## JOHNSON Transposition Blocks

Unique shape prevents twisting of line. Skeleton construction provides high leakage path. Glazed. 1 1/2" x 2 1/2". Shpg. wt. of 10—2 lbs.



**XR17171**—**6c**  
**Your Cost Each**.....

10 for..... **55c**

## Special Transmission Line



A ten-strand wire covered with live rubber, a lacquered cotton braid and a woven tinned shield. Wire tinned for easy soldering. This wire is the same type as used in many filter-d aerial systems such as Tobe, Lynch, etc.

**XQ16240**—50 Ft. 100 Ft. 500 Ft.  
**Your Cost**..... 55c \$1.05 \$4.95

## All-Wave Coupler

A doublet antenna using either a twisted pair or a transposed lead-in must be correctly matched to the receiver. This coupler provides a correct match at all wave-lengths. Comes complete with instructions.

Shpg. wt. 1 lb. **59c**

**XR17172**—**Your Cost**.....

To Speed Handling of YOUR Order -- Use Our Order Blank

# WIRE AT

## Heavy Duty Stranded Copper



Forty strand No. 22; 14 Gauge. Layer of heavy cotton under covering of rubber. The best for heavy duty filament or transmitting apparatus. Shpg. wt. 2 1/2 lb., 1 lb.

**XQ16121** — **2c**  
**Per Foot**  
 25 Ft. 50 Ft. 100 Ft.  
 35c 65c \$1.20

## Extra Heavy Stranded Copper

Sixty strand No. 20. Tinned. Thicker gauge insulated with pichele rubber. Would make an ideal antenna for D. X. line. Will handle 10 amps. at 2 1/2 v. d. c. Shpg. wt. 2 1/2 lb., 1 lb.

**XQ16122** — **2c**  
**Per Foot**  
 25 Ft. 50 Ft. 100 Ft.  
 48c 90c \$1.75

## Service Wire Kit



A real money saver. This assortment contains everything of every type of wire used for Radio Service. Contains total approximately 700 ft. of lengths varying from 2 to 24 inches. Also includes 1 pound and 1/2 pound spools. Every A. C. and D. C. material. Shpg. wt. 3 1/2 lb.

**XR1777** — **25c**  
**Your Cost**

# Push Back WIRE

## Stranded Push Back Wire

For those who prefer stranded to solid, we offer this old standby in black 19 gauge tinned copper back-up wire. This wire is made very flexible. Green or red. Spools 2 lbs., 1 lb.

**XR16321**  
**Your Cost 100 Ft. Coil 39c**  
**Your Cost 500 Ft. Spools \$1.90**  
**Your Cost 1000 Ft. Spools 3.45**

## Solid Push Back Wire

This 19-gauge solid wire has the popular black push back insulation. No strapping necessary. Green or red. Spool weight, 2 lbs.

**XR16320**  
**Your Cost, 100-ft. Coil 34c**  
**Your Cost, 500-ft. Spool \$1.60**  
**Your Cost, 1000-ft. Spool 3.10**

## Best Grade Push-Back Wire Double Cotton Braid



Use 19 copper wire, tinned for extra protection. Extra heavy insulation with black coating. Very low resistance. Green or black. One piece coil.

**XQ16327** 25 Ft. 50 Ft. 100 Ft.  
**Your Cost 17c 33c 65c**

## Stranded Push Back

The same high quality as the above. Size 19. 25 and 1 and tinned. Red or black. One piece coil.

**XQ16330** 25 Ft. 50 Ft. 100 Ft.  
**Your Cost 17c 33c 65c**

## Spaghetti

The best quality. High grade enamel insulated. Impregnated with compound that varies in great insulating properties. Colors: red, yellow, green, or black. Spool weight, 2 lbs., 1 lb.

**XQ15960**  
**Per Length 7c**  
**12 Lengths 73c**  
 Shpg. wt. 4 oz.

## Bus Wire

Round, Tinned Copper, 2 1/2. Letter.

**SIZE 14**  
**XQ15965** — 10 Lengths 100 Lengths  
**Your Cost 12c \$1.05**

**SIZE 12**  
**XQ15966** — 10 Lengths 100 Lengths  
**Your Cost 26c \$2.05**  
 Shpg. wt., 1 lb.

## Bell Wire

An excellent grade of bell wire. Insulated with 19 gauge copper with waxed cotton covering. Shpg. wt. 1 lb.

**XQ16338** 25 Ft. coil.  
**Your Cost 13c**

**XQ16051** 25 ft. reel.  
**Your Cost 6c**

## Wire Stripper

Strips wire easily and cleanly. Saves time. Cutting edge of tempered steel that will retain its hardness.

**XP1844**  
**Your Cost 10c**

## Extra Quality!

### Litz Wire

Genuine Litz wire is difficult to obtain and we are therefore particularly anxious to be able to offer this extra fine quality Litz at such unusually low prices. For choice—1. P. coils—1. P. coils—loop wire—etc. The finer wire could be desired since the P. resistance is substantially lower than that of solid wire. Green only covered.

**XQ16152**—100 ft. coil **12c**  
**Your Cost**  
**XQ16153**—1000 ft. coil **\$1.05**  
**Your Cost**

## Special Indoor Aerial Wire

A special grade of flexible wire designed for indoor aerials. Consists of a number of thin flattened copper strands covered by a thin woven cotton braid. Can be coiled or twisted without danger of breaking. In Red, White or Yellow. Shpg. wt. 3 lbs.

**XQ16171**—250 Ft. Spool **75c**  
**Your Cost**

## Twisted Pair For Filaments

20 gauge, 10 strands No. 20. Tinned. Rubber insulation covered with rubber braid. Color, Black. Shpg. wt. 2 1/2 lb., 1 lb. One piece coils.

**XQ16278** — **100 Ft.**  
 25 Ft. 50 Ft. 100 Ft.  
 30c 59c \$1.15

# Hook-Up Wire

## Hook-up Wire

Rubber insulated with lead. Enamel insulated which prevents the wire from straying to other wires. Shpg. wt. 2 1/2 lb., 1 lb.

**XR16145** — **90c**  
**Your Cost**

## Colored Rubber Wire



No. 18 stranded and tinned copper wire covered with colored rubber insulation. Same conductivity as 20 ft. to red, C for black, and green. Spool weight, 2 lbs., 1 lb.

**XQ16145** — **\$1.10**  
**Your Cost**  
**Per Coil 25 ft.**

## Rubber Covered Wire

High grade stranded rubber covered wire. Especially made for filament work. Available in black, red, green and white. Spool weight, 2 lbs., 1 lb.

**XQ16210** 25 Ft. 50 Ft. 100 Ft.  
**Your Cost 30c 55c \$2.65**

## 22-Gauge Stranded



Seven strands of No. 22 wire. Cotton and rubber under coating. Black, yellow, red, green. Shpg. wt. 2 1/2 lb., 1 lb.

**XQ16278**—25 Ft. 50 Ft. 100 Ft.  
**Your Cost 14c 25c 31c**

## 400 V. Hook-up Wire

High grade hook-up wire with extra heavy insulation that has a safety factor of 400 volts. Shpg. wt. 2 1/2 lb., 1 lb.

**XQ16136** 25 Ft. 50 Ft. 100 Ft.  
**Your Cost 19c 35c 55c**

**XQ16137** 25 Ft. 50 Ft. 100 Ft.  
**Your Cost 19c 35c 55c**

# Magnet Wire

Any size in 5 lb. quantities at special prices. Shpg. wt. 2 1/2 lb. each

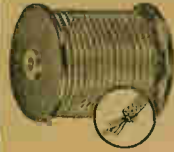
Enamel			Stock		
No.	Size	Price	No.	Size	Price
<b>XX 20950</b>	18	\$4.18	<b>XX 20951</b>	18	\$4.18
<b>XX 20952</b>	20	\$4.18	<b>XX 20953</b>	20	\$4.18
<b>XX 20954</b>	22	\$4.18	<b>XX 20955</b>	22	\$4.18
<b>XX 20956</b>	24	\$4.18	<b>XX 20957</b>	24	\$4.18
<b>XX 20958</b>	26	\$4.18	<b>XX 20959</b>	26	\$4.18
<b>XX 20960</b>	28	\$4.18	<b>XX 20961</b>	28	\$4.18

Double Silk			Double Cotton		
Stock No.	Size	Price	Stock No.	Size	Price
<b>XX 20972</b>	18	\$4.18	<b>XX 20973</b>	18	\$4.18
<b>XX 20974</b>	20	\$4.18	<b>XX 20975</b>	20	\$4.18
<b>XX 20976</b>	22	\$4.18	<b>XX 20977</b>	22	\$4.18
<b>XX 20978</b>	24	\$4.18	<b>XX 20979</b>	24	\$4.18
<b>XX 20980</b>	26	\$4.18	<b>XX 20981</b>	26	\$4.18
<b>XX 20982</b>	28	\$4.18	<b>XX 20983</b>	28	\$4.18

Table Showing Feet Per Pound of Above Magnet Wire

Stock No.	Size	Price	Stock No.	Size	Price
<b>XX 20984</b>	18	\$4.18	<b>XX 20985</b>	18	\$4.18
<b>XX 20986</b>	20	\$4.18	<b>XX 20987</b>	20	\$4.18
<b>XX 20988</b>	22	\$4.18	<b>XX 20989</b>	22	\$4.18
<b>XX 20990</b>	24	\$4.18	<b>XX 20991</b>	24	\$4.18
<b>XX 20992</b>	26	\$4.18	<b>XX 20993</b>	26	\$4.18
<b>XX 20994</b>	28	\$4.18	<b>XX 20995</b>	28	\$4.18

# UNBEATABLE PRICES



## DOWN GOES THE PRICE OF WIRE!

Wholesale's tremendous purchasing power again makes possible astounding bargains in fine quality wire. Fresh live rubber—a wide variety of colors—silk and cotton—single, parallel and twisted pair—are all available.



### Twisted Pair

#### Silk Covered

**Twisted 18 Gauge 1/4 R. C.**  
Colors: Maroon, Brush Brass, Old Gold, Blue, White, Brown. (Specify color). Shpg. wt. 3 lbs. 100 ft.  
**XY20939—Your Cost:**  
Per Ft. 100 Ft. 250 Ft. 500 Ft.  
2c \$1.50 \$2.25 \$3.95

#### Cotton Covered

**Twisted 14 Gauge 1/4 R. C.**  
Black only.  
**XY20927—Your Cost:**  
Per Ft. 100 Ft. 250 Ft.  
1 1/2c \$1.25 \$3.25

**Twisted 14 Gauge 3/4 R. C.**  
Black with red tracer only.  
**XY20890—Your Cost:**  
Per Ft. 100 Ft. 250 Ft.  
2c \$1.75 \$3.70

### Single Fixture Wire

**18 Gauge 1/4 R. C.**  
Silk Colors—Old Gold, Brass, Maroon, White with Red tracer, Black, Green.  
Cotton Colors—Black, Tan, Brown, Brass, Green with tracer. (Specify color and covering desired.)  
**XY20916—Your Cost:**  
100 Ft. 500 Ft. 1000 Ft.  
50c \$1.85 \$3.50

**18 Gauge 1/4 R. C.**  
Cotton only in Black with Red tracer.  
**XY20915—Your Cost:**  
100 Ft. 500 Ft. 1000 Ft.  
50c \$1.85 \$3.50

**16 Gauge 1/4 R. C.**  
Silk Color—Brown with Red tracer. Cotton Color—Brown with Red tracer. (Specify silk or cotton.)  
**XY20917—Your Cost:**  
100 Ft. 500 Ft. 1000 Ft.  
65c \$2.10 \$3.85

### Parallel Cord

This is the most commonly used type of wire for connecting radio receivers, lamps, etc. When ordering specify color desired.

**Silk 18 Gauge 1/4 R. C.**  
New Code inner braid. Colors—Brown, White, Green, Old Gold, Black. (Specify color desired.)  
**XY20937—Your Cost:**  
Per Ft. 100 Ft. 500 Ft.  
1 1/2c \$1.20 \$4.75

**Cotton 18 Gauge 1/4 R. C.**  
Colors—Black, Tan. (Specify).  
**XY20935—Your Cost:**  
Per Ft. 100 Ft. 85c

**Cotton 18 Gauge 1/2 R. C.**  
Colors—Black, Yellow. (Specify)  
**XY20936—Your Cost:**  
Per Ft. 100 Ft. 1 1/2c 95c

## New Type Parallel Lamp Cord



Due to the great demand for a wire that is abrasion proof and waterproof, this wire has been made available. It is similar in size and appearance to the regular cotton or silk covered lamp cord. The two rubber covered wires are contained in a jacket of extremely tough live rubber. The rubber is put on by a new electrolytic process which makes for a perfect seamless covering. This wire is approved by the underwriters and can be had in black, green, ivory and brown. Specify color when ordering. Shpg. wt. 3 lbs. to 100 ft.

**XY20920—18 gauge. Your Cost:**  
Per Ft. 100 Ft. 500 Ft.  
2c \$1.85 \$8.90

## Special Value! Cotton Twisted Pair



18 Gauge, 1/4 R. C. wire with a glazed cotton covering. Two colors—white or yellow and green mixture. Specify which.

**XY20902—Your Cost:**  
Per Ft. 100 Ft. 250 Ft.  
1c \$0.95 \$1.95

### Heavy Duty Cord Type S



The thick belt of flexible rubber that covers the conductor is made of smooth oil-resisting, abrasion-proof, high quality rubber. This flexible waterproof, oil-resisting, non-kinking cord is just the thing for hard service. Especially suitable for outdoor work, garages, portable devices; in fact, on any job where ability to stand abuse is a primary factor. Shpg. wt. 7 lbs. to 100 ft.

Stock No.	Size	Per 100 Ft.	Per Ft.
XY20945	18—2-wire	4c	\$3.50
XY20946	16—2-wire	5c	4.25
XY20947	14—2-wire	7c	6.00
XY20948	18—3-wire	5c	4.50

### SPECIAL Wire Offer



The prices on the wire listed below are far below the market prices quoted for similar merchandise. This is due solely to the fact that our tremendous purchasing power enables us to buy the factory surplus of some of the largest of the wire manufacturers. Every spool is one continuous length of wire and is full length.

#### COTTON

**XY20875—200 Ft. 18 1/2 Single conductor for Aerial, Ground and general use.**

**XY20862—150 Ft. 22 Twisted Pair. Conductor for drop cords, extensions, etc.**

**XY20863—100 Ft. 18 1/2 Parallel with cotton overbraid. For lamp cords, extensions, etc.**

#### SILK

**XY20864—150 Ft. 20 1/2 Parallel, for installations, etc.**

**XY20865—200 Ft. 18 1/2 Single. For portable work, house wiring, etc.**

**Your Cost**  
Each Coil ..... **85c**  
Assortment of 6 Coils. **\$4.50**  
**Your Cost** .....

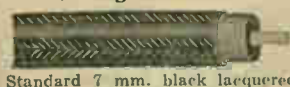
### Armored Cable



For auto, radio, outdoor, P. A. systems and oil burner installations. Armor when grounded acts as shield. Shpg. wt. per 100 ft. 8 lbs.

Stock No.	1 Ft.	100 Ft.
XQ20855	1-Cond. 1 1/2c	\$1.40
XQ20856	2-Cond. 2c	1.95
XQ20857	3-Cond. 2 1/2c	2.10

### Auto Ignition Wire



Standard 7 mm. black lacquered braided wire for use in automobile ignition and high tension work. Shpg. wt. 4 lbs.

**XY20852—100 ft. \$1.95**

**Your Cost** .....

9 mm. wire specially designed for Neon sign use. Shpg. wt. 4 lbs.

**XY20853—100 ft. \$2.25**

**Your Cost** .....

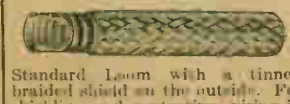
### Asbestos Heater Cord



Heavy asbestos covered wire. Rayon or cotton covered—specify which is desired. Shpg. wt. 3 lbs. 100 ft.

**XY20931—Your Cost:**  
Per Ft. 100 Ft. 500 Ft.  
2c \$1.75 \$8.50

### Shielded Loom

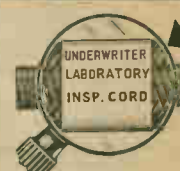


Standard Loom with a tinned braided shield on the outside. For shielding and protecting wiring in autos, etc. Will pass heavy wire. Shpg. wt. 1 lb. 10 ft.

Stock No.	Diana	Your Cost
XQ16146	10 Ft. 50 Ft.	73c \$3.45
XQ16147	83c	3.95
XQ16148	93c	4.40

### NOTE

We carry a tremendous stock of wire at all times and are prepared to make large quantity shipments at special prices. We can supply special wire to order.



## APPROVED Fixture and Appliance Wire

ALL APPROVED wire for resale purposes is marked with a special label every 5 feet. The wire listed here has these labels and is fresh stock of the finest quality. The use of UNAPPROVED wire may mean a delay in insurance settlement in case of fire. We therefore recommend that for your own protection you use only approved wire. This recommendation is made in keeping with WHOLESALER'S policy of telling the TRUTH about the merchandise it sells.

### Parallel Silk Cord



New code insulation lamp cord. Consists of two conductors laid parallel and covered with braided silk. Has inner braid. The neatest cord for portable lamps, extension lights, etc., available in the following popular colors: White, brown, maroon, old gold, black. Specify color when ordering. Shpg. wt. 3 lbs. to 100 ft.

**18 Gauge 1/4 R. C.**

**XY20923—Your Cost:**  
Per Ft. 100 Ft. 500 Ft.  
1 1/2c \$1.40 \$6.50

**18 Gauge 1/2 R. C.**

**XY20924—Your Cost:**  
Per Ft. 100 Ft. 500 Ft.  
2c \$1.75 \$7.90

### Parallel Cotton Cord



A popular number with the serviceman. For hooking up radios, extensions, etc., available in white, brown, maroon. Specify color when ordering. Shpg. wt. 3 lbs. to 100 ft.

**2 Conductor 18 Gauge 1/4 R. C.**

**XY20941—Your Cost:**  
Per Ft. 100 Ft. 500 Ft.  
1 1/2c \$1.45 \$6.90

**2 Conductor 18 Gauge 1/2 R. C.**

**XY20942—Your Cost:**  
Per Ft. 100 Ft. 500 Ft.  
2c \$1.75 \$7.10

### Single Fixture Wire

Silk or cotton. For aerial and ground as well as for general fixture use. Silks in white, old gold, maroon and brown. Cotton in white and brown only. Specify color when ordering.

**18 Gauge 1/4 R. C.**

**XY20933—Your Cost:**

100 Ft.	Silk \$0.70	Cotton \$0.55
500 Ft.	3.50	2.50
1000 Ft.	6.40	4.90

**18 Gauge 1/2 R. C.**

**XY20934—Your Cost:**

100 Ft.	Silk \$0.85	Cotton \$0.72
500 Ft.	4.05	3.40
1000 Ft.	7.90	6.30

### Reinforced Cord



Used indoors for portable machines and drop cords, insulated with belt of seamless rubber and covered with smooth cotton braid, size No. 18. (Black only.) Shpg. wt. 6 lbs. to 100 ft.

**Heavy Reinforced 1/4 R. C.**

**XY20943—Your Cost:**  
Per Ft. 250 Ft. 55.25

**Light Reinforced 1/4 R. C.**

**XY20944—Your Cost:**  
Per Ft. 250 Ft. 2c \$4.45

# BELDEN RADIO PRODUCTS



## BELDEN "Airman" Auto Radio Wire



Especially designed for automobile and airplane installations. Makes an excellent shielded lead-in wire where noise and interference is encountered.

No. 12 (65 strands of No. 30 tinned). Cambric wrapped with heavy tinned shielding. For all heavy duty work. Shpg. wt. per 100 ft., 4 lbs.

**XQ16223—**  
10 ft. **58¢**  
Your Cost..... \$4.95

No. 14 (41 strands of No. 30 tinned). Similar to above. Shpg. wt. per 100 ft. 3 lbs.

**XQ16218—**  
10 ft. Your Cost..... **48¢**  
100 ft. \$3.75

No. 16 (26 strands of No. 30 tinned). Shpg. wt. per 100 ft. 3 lbs.

**XQ16219—**  
10 ft. Your Cost..... **40¢**  
100 ft. \$2.95

No. 18 (16 strands of No. 30 tinned). Shpg. wt. per 100 ft. 3 lbs.

**XQ16224—**  
10 ft. Your Cost..... **36¢**  
100 ft. \$2.75

## BELDEN Twisted Lead-In Wire



Especially designed for use with doublet antenna systems. Used extensively as the transmission line for Philco and other receivers. Consists of two No. 18 rubber covered conductors covered by a weather-proof cotton outer braid. Especially recommended because it is both inexpensive and efficient. Shpg. wt. 100 ft., 4 lbs.

**XQ16172—**  
100 ft. coil. **\$1.35**  
Your Cost..... \$6.30

**XQ16173—** 500 ft. coil. Your Cost..... \$6.30

## BELDEN Shielded Auto Ignition Wire



**7 Millimeter**  
This standard 7 mm. Belden shielded auto ignition cable is now being offered at the **lowest prices ever quoted.** Ideal for use in auto radio installations for aerial, battery, high and low tension leads. Consists of a standard 7 mm. lacquered braided wire covered by a tinned copper shield, which is closely woven. Shpg. wt., 100 ft. spool, 4 lbs.

**XQ16221 Per Foot—** **6¢**  
**XQ16222—** 100 ft. spool. **\$4.95**  
Your Cost, Special.

## Special Two Conductor Shielded Lead-in Wire



This special wire was designed exclusively for use by Koister in their "Rejectostat" antenna system. Also used by A. K. Consists of two No. 18 stranded rubber covered conductors covered by a tightly woven copper shield with an outer covering of tough live rubber. Conductors are transposed inside the shield. Fully weather proof. Nothing finer for use as doublet antenna lead-in wire. Shpg. wt. per 100 ft., 4 lbs.

**XQ16143—**  
100 ft. coil. **\$3.75**  
Your Cost..... \$17.50

## BELDEN Indoor Aerial and Litz Wire



This specially covered wire is ideal for indoor aerials and for winding radio loops, and is easily concealed on a picture moulding or window frame. Shpg. wt. per spool, 3 lbs.

**XQ16125—** Brown Rayon **90¢**  
125 ft. Your Cost..... \$3.60

**XQ16126—** Brown Cotton 60 ft. Your Cost..... \$4.20

**XQ16127—** Brown Cotton 1000 ft. Your Cost..... \$4.50

**XQ16128—** 100 ft. Litz Wire 20-38 stranded Beldenamel with two servings of green silk. Your Cost, Per Spool. **45¢**

## BELDEN Cellunamel Magnet Wire



Something radically new developed by Belden. Consists of standard Beldenamel wire with a covering of concentrically wound cellophane. Provides high insulation. Ideal for coil winding. It's absolutely moisture proof.

Stock No.	Gauge	1 lb.	1/2 lb.
XQ16181	18	\$0.32	\$0.55
XQ16182	20	.35	.65
XQ16183	22	.40	.70

## Filament Lead Wire



No. 14 wire (40 strands of No. 30 wire). Stranded tinned copper. Double serve of Celanese colored braid paraffined. Furnished in red or black. Shpg. wt., 100 ft., 3 lbs.

**XR16158—** 25 ft. coil. **36¢**  
Your Cost..... \$6.75

**XR16159—** 500 ft. spool. Your Cost..... \$6.75

## BELDEN Arrester



A thoroughly reliable protector designed for either outdoor or indoor use. Listed as standard by the National Board of Underwriters. Bakelite case. Resistor type. Each furnished with \$100 guarantee. **XR16750—** List 25c. Your Cost..... **15¢**

**NOTE**  
We can supply special Belden coil winding machines for all types of radio coils. Prices on request.

## Beldenamel Aerial Wire



Beldenamel aerial wire has long been known as the finest wire available for permanent antenna installations.

This wire, of the finest grade copper, is very heavily enameled with a permanent compound, and will stand up indefinitely under heavy strain, and the severest weather conditions. Each coil is attractively boxed, and the 1000 ft. length is wound on a heavy steel spool. Shpg. wt. per 100 ft., 4 lbs.

**XQ16232—** 7x20 Beldenamel. Especially suited for short-wave aerial systems; doublet antennas. 100 ft. Your Cost..... \$0.93

**XQ16229—** 7x22 Beldenamel. 75 ft. Your Cost..... \$0.38

**XQ16233—** No. 10. 100 ft. Your Cost..... \$0.90

**XQ16230—** No. 12. 100 ft. Your Cost..... \$0.58

**XQ16231—** No. 14. 100 ft. Your Cost..... \$0.40

## BELDEN Tinned Aerial Wire

An old standby. Very popular where good installations are wanted. 7x22. Shpg. wt. per 100 ft. 4 lbs.

**XQ16228—** 100 ft. per coil. Your Cost..... **44¢**  
1000 ft. per spool. Your Cost..... \$4.20

## BELDEN Push-Back Wire Solid



No. 20 solid tinned copper wire with push-back insulation. No stripping necessary. In green, blue, red, yellow or black. Specify color when ordering.

**XQ16066—** 25 ft. coil. **21¢**  
Your Cost..... \$5.40

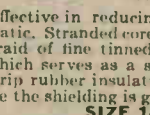
**XQ16067—** 1000 ft. coil. Your Cost..... \$5.40

**Stranded Push-Back Wire**  
Similar to the above, but with No. 20 stranded wire. Same colors as above. Specify color desired when ordering.

**XQ16068—** 25 ft. coil. **23¢**  
Your Cost..... \$6.10

**XQ16069—** 1000 ft. coil. Your Cost..... \$6.10

## BELDEN Shielded Lead-in and Ground Wire



Effective in reducing man-made static. Stranded core with a heavy braid of fine tinned copper wire which serves as a shield. Easy-strip rubber insulation. In service the shielding is grounded.

**SIZE 14**  
**XQ16208—** 50 ft. 100 ft. 250 ft. Your Cost. \$1.30 \$2.50 \$6.45

**SIZE 16**  
**XQ16210—** 50 ft. 100 ft. 250 ft. Your Cost. \$0.75 \$1.45 \$3.50

Shpg. wt. lbs. 2 4 9

## BELDEN Tinned Copper Shielding



The finest copper shielding available. Fine mesh closely woven; assures perfect shielding. Shpg. wt. per 100 ft., 4 lbs.

**XQ16214—** Inside diam. 1/4" Per ft. **3¢**  
Your Cost..... \$2.30

**XQ16215—** Inside diam. 3/8" Per ft. Your Cost..... **3¢**  
Per 100 ft. \$1.95

**XQ16216—** Inside diam. 1/2" Per ft. Your Cost..... **8¢**  
Per 100 ft. \$7.50

## BELDEN All-Rubber Lead-in Wire



Well known for its special rubber compound covering which strips quickly and easily. Big time saver for quick splicing.

Shipping wt. per 100 ft., 3 lbs.  
**XQ16225—** No. 14 Seven-Strand. 50 ft. per carton. Your Cost. \$0.50

**XQ16226—** No. 16 Seven-Strand. 50 ft. per carton. Your Cost. \$0.33

**XQ16227—** No. 18 Seven-Strand. 500 ft. per spool. Your Cost. \$1.30

**XQ16227—** No. 18 Seven-Strand. 500 ft. per spool. Your Cost. \$1.95

## BELDEN Hook-up Wire



No. 18 Stranded Tinned Copper, insulated with "Belden color" rubber. 25-ft. coils available in green, blue, red, brown or yellow. Shpg. wt. 8 oz.

**XQ16290—** Your Cost..... **19¢**  
1000-ft. spools available in natural, brown or red. Shpg. wt. 15 lbs.

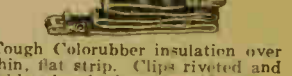
**XQ16291—** Your Cost..... **\$4.50**  
(Specify color when ordering).

## BELDEN Shielded Hook-up Wire

Same wire as above but with closely woven tinned copper shielding for use with screen grid tubes. Shpg. wt. 3 lbs.

**XQ16294—** 100 ft. Your Cost..... **\$1.08**

## BELDEN Lead-in Strips



Tough Colorubber insulation over thin, flat strip. Clips riveted and soldered at both ends. 12" long. **XR17099—** Your Cost..... **6¢**





# SOLDERING IRONS and accessories

## JACKSON Electric Soldering Irons

This is a full size soldering iron. 11" in length. Black enamel handle and nickel plated metal case. Removable tip 1/8" in diameter. 50 watt iron. Shipping weight 2 lbs.

XP14850—List \$1.25  
Your Cost

65¢

## Heavy Duty Irons

Extra heavy irons designed especially for industrial or shop use. Heating element and all parts are renewable. Tip removable. Metal parts nickel plated. Extra large handle. Shpg. wt. 2 lbs.

Stock No.	Watts	List Price	Your Cost
XP14874	75	\$2.75	\$1.45
XP14853	100	3.75	1.85

## Hexacon Industrial Iron

Barrel milled from solid tool steel. Bronze core eliminates oxidation between element and core. Adjustable length.

XP14875—85 Watt, 110 Volt  
Your Cost \$4.20

## Soldering Iron Tips

We can supply tips for any iron listed at reasonable prices.

XP15175—Tip for our No. XP14874	20¢
XP15176—Tip for our No. XP15184	25¢
XP15181—Tip for our No. XP15180	20¢
XP15183—Tip for our No. XP15182	20¢

## ESICO Soldering Irons

Esico Soldering Irons are amongst the finest irons made today and are preferred by professional and amateur alike. "Constant Duty" irons have replaceable elements wound with nickel chrome wire and are insulated with the finest quality mica obtainable. "Midget" and "Junior" models are wound with Grade A nichrome wire. All models have heavy steel cases and heat proof handles. Shpg. wt. 3 lbs.

### MIDGET MODEL

XP14848—65 Watt, 110 Volt  
Your Cost \$1.25

### JUNIOR MODEL

XP14854—85 Watt, 110 Volt  
Your Cost \$1.88

### CONSTANT DUTY MODELS

XP15190—100 Watt, 110 Volt \$3.75  
Your Cost  
XP15191—130 Watt, 110 Volt \$5.25  
Your Cost

## ESICO "Special" Iron

A genuine Esico Iron at an exceptionally low price. This is an excellent iron for those having only occasional use for a soldering iron. Heating element is of nichrome wire. Handle is of black wood. Steel shank and brass ferrule. Consumes 55 watts. Shpg. wt. 3 lbs.  
XP14849—  
Your Cost, Special 79¢  
with Extra Tip

## Trutest De Luxe Electric Soldering Irons

A new Trutest De Luxe Soldering Iron with such outstanding features as—Gun-metal tube—nichrome element wound on steel core—mica insulation both on core and between element and barrel—spring cord protector—approved wire and rubber plug—fibre terminal with cord tied to terminal (not knotted or taped). Shpg. wt. 3 lbs.

XP15180—75 Watt, 110 Volt \$1.59  
Your Cost  
XP15197—Same for 220 Volt \$1.69  
XP15182—100 Watt, 110 Volt \$2.25  
Your Cost  
XP15198—Same for 220 Volt \$2.50  
XP15184—150 Watt, 110 Volt \$3.45  
Your Cost  
XP15199—Same for 220 Volt \$3.75

## ALUMAWELD Solder

A new solder and flux that makes possible the successful soldering at low temperatures of Aluminum—Pot Metal—Cast Iron and all other metals. Here at last is a solder that will repair broken aluminum shields, brackets, chassis etc., and that will make a repair that is strong and clean. Kits contain special solder, flux, wire brush, illustrated instructions.

XP15200—Small Kit. Shpg. wt. 1 lb. 95¢  
Your Cost  
XP15201—Medium Kit. Shpg. wt. 2 lbs. \$1.80  
Your Cost  
XP15202—Large Kit. Shpg. wt. 3 lbs. \$4.95  
Your Cost

## KESTER Rosin Core Solder



Genuine Kester core solder in 1 and 5 lb. spools. Service men and other large users will find it more economical to buy their solder this way.

XP14858—1 lb. spool. Shpg. wt. 2 lbs. 56¢  
Your Cost  
XP14859—5 lb. spool. Shpg. wt. 6 lbs. \$2.65  
Your Cost

## KESTER Aluminum Solder

At last Kester has brought out a good, flux filled aluminum solder. Packed in home sized containers, with cleaning material and full instructions included for light or heavy repair work. This is an indispensable article for garages, repair shops in all lines, and the home. Will mend anything made of aluminum. Shpg. wt. 2 lbs. 18¢  
XP14876—Your Cost  
Carton of Ten \$1.65

## Sealo Quick-Seal Cement

Apply to all your electric plugs or wherever wire connections are made. Wire cannot short or pull out.  
XP14711—12¢  
Your Cost  
Carton of 28 Tubes \$2.75

## MAGIC Embossing & Engraving Pencils



Engraving Pencil will burn lettering, designs, etc., in wood, leather, rubber, and like materials. Easily used. Heat adjusts itself. Absolutely no danger. Embossing Pencil will emboss lettering, etc., in beautiful colors; gold, silver, blue, green, purple, copper on leather, cloth, silk, paper, wood, celluloid, bakelite, etc. Very simple to use. A piece of prepared foil is placed on top of the article to be lettered and the design traced on it with the pencil. When the foil is removed the lettering is left on the article.

XP15158—Engraving Pencil for 110 Volt. Shpg. wt. 2 lbs. \$1.15  
Your Cost  
XP15157—Embossing Pencil with Foil. Shpg. wt. 2 lbs. 83¢  
Your Cost

## LENK Torches (Automatic)

These alcohol torches are a big favorite with the radio man because of their neatness, efficiency and ease of operation. Made of brass nickel plated, highly polished. Entirely automatic.

Type A: Double burner, one for needle point flame, add the attachment for heavy flame. Pressure release valve eliminates sputtering, evaporation and leaks. Cleaning pin in handle. Size 7x4 1/2 x 3". Shpg. wt. 4 lbs.  
XP14866—List \$5.00 \$2.94  
Your Cost

Type B: Almost as large as type A, holds enough fuel to burn 3 hours with one filling. Starts in 20 seconds. Ideal for heating soldering iron where no current is available. Size 7x3 1/2 x 2". Shpg. wt. 3 lbs.  
XP14867—\$1.90  
Your Cost



Type C: A very handy little torch for the tool box. Solid base makes it mechanically leak proof. Screw cap makes loading easy. Nozzle cap prevents evaporation. Copper heat conductor generates quickly. Size 6 1/2 x 2 1/2 x 1 1/2". Shpg. wt. 2 lbs.  
XP14868—List \$1.50 95¢  
Your Cost

Type D: (not illustrated) Same in appearance as Type C; smaller in size. Very suitable for those who have only occasional use for a torch. Size 5 1/4 x 2 1/2 x 1". Shpg. wt. 2 lbs.  
XP14869—75¢  
Your Cost Each

## KESTER Solder



Approved by all leading radio engineers. Makes low loss joints. Each tin contains a coil of solder. Will not spatter.

XP14857 Rosin Core Acid Core  
Per tin. Shpg. wt. 8 oz. 15¢  
List \$0.25  
Your Cost  
Display carton of 10 tins. Shpg. wt. 7 lbs. List \$2.50 \$1.45  
Your Cost

## Solderall

An amazing preparation which solders all metals, except aluminum.

XP14860—Single tubes. 9¢  
Your Cost  
XP14861—Display box of 24 tubes. Shpg. wt. 4 lbs. \$2.00  
Your Cost

## PEERLESS Flux

A non-corrosive flux for quick soldering. Can contains 2 ozs. Shpg. wt. 8 ozs.  
XP14862—12¢  
Your Cost  
XP14863—One dozen cans. Shpg. wt. 3 lbs. \$1.30  
Your Cost

Perfect Merchandise - Prompt Shipment - Personal Service

# ELECTRICAL APPLIANCES

## Outlet Box Receptacles



Finest receptacle made. The only one which will hold many combinations without the slightest loosening. With double screw terminals. Fits standard outlet box. Comes in two types: single and dual. Underwriters approved type. Comes set and wired easy to wire. Shpg. wt. 1 lb. **XM13328** Single

Your Cost ..... **9¢**  
Each ..... **10¢**  
Your Cost

## Welds All

Mends china, glass, machine, tin, wood, leather. Solders aluminum, iron, lead, tin, etc.

**XP14910**—List 25c

Your Cost ..... **15¢**  
Box of 12. Shpg. wt. 4 lbs. Your Cost ..... \$1.65



## BURGESS Flashlight

A new large flashlight of the finest quality at an exceptionally low price. Takes a 400 m. beam. Brightest flashlight made. Sensitive switch and lens. Comes with 2 D. Shpg. wt. 4 lbs. **XP15048** Your Cost ..... **34¢**



## Uni-Cell

**XV18200** No. 1 Small Size  
**XV18201** No. 2 Large Size  
Your Cost Each ..... **6 1/2¢**

## Emergency Light

Plugs into any receptacle. Works on 110 volts A.C. or D.C. Gives off a bright light of 100 candle power. Made of heavy brass. Underwriters approved. Comes complete with battery. Shpg. wt. 2 lbs. **XM13224** Your Cost ea. **25¢**  
Extra Batter Each ..... 10¢



## Fixture Connectors

Does away with fumbling and wire pulling. Is simple when it comes to fixing fixtures, and holds up to 1 H. P. **XM13224**—Box of 100 ..... \$3.25  
Your Cost Each ..... **4¢**



## Pin Type Extension Socket

Plugs into any receptacle and fits type extension. Fits standard outlet box. **XM13225** ..... **10¢**  
Each 25 for ..... \$2.25



## Nichrome Wire

For General Repairs

Three standard sizes furnished in convenient to take care of all needs. 19 ft. of 24 gauge, 100 ft. of 26 gauge, 50 ft. of 28 gauge. Shpg. wt. 2 lbs. **XM13226** Your Cost Each ..... **\$3.45**



## Brass Sockets

### Key



Best brass finished socket in black copper. Standard tapered cap. Threaded for standard. **XM13324** Each **18¢**  
Carton of 25 ..... \$3.95

### Pull Chain



Finish brass finish with Pull Chain. Positive rugged with no vibration. Standard 1/2" cap. Threaded for standard. **XM13322** Your Cost Each **22¢**  
Carton of 25 ..... \$4.95

### Adjustable Candle Socket

For use with incandescent candle sockets. Height of socket is adjustable to fit size of candle used. Threaded to fit standard 1/2" pipe. **XM13323** Your Cost Each **7¢**  
Carton of 25 ..... \$1.60



### Porcelain Flat Base Socket

Particularly suitable for use in temporary installations where socket is protected from accidental contact. Shpg. wt. 1 lb. **XM13327** Your Cost Each **9¢**  
Per 25 ..... \$2.00



### Porcelain Pull Chain Socket

Suitable for use in bath, dining, kitchen, cellar, etc. Semi-cylindrical. Will fit round or hexagonal boxes of 3 1/2" or 4" type. The porcelain socket arm and the overall construction of this item makes it able to withstand a great deal of use. Essential part for emergency replacement purposes. Shpg. wt. 1 lb. **XM13332** Your Cost Each ..... **25¢**  
Per 10 ..... \$2.25



### Canopy Switch

Push pull switch. Very compact. Positive. **XM13339** Your Cost Each ..... **12¢**  
Per 25 ..... \$2.75



### Universal Canopy Switch

A pendant pull chain type switch mounted in canopy of ceiling fixture. A very convenient way of installing separate switches for each fixture. Comes complete with canopy and cord which can be cut to any length desired. Positive rugged action. It will make and will stand a great deal of use. Shpg. wt. 1 lb. **XM13338** Each ..... **55¢**  
Carton of 25 ..... \$4.75



### Rotary Canopy Switch

Very compact. Will fit into very shallow canopies. Rotary action with control knob. Wire leads. **XM13342** Each **10¢**  
Per 25 ..... \$2.25



### Luminous Pendant

Use as you find and places in the dark. **XM13220** Each ..... **19¢**  
Per 25 ..... \$4.25



### Luminous Button

Easily attached to any wall switch. **XM13119** Your Cost Each **19¢**  
Per 25 ..... \$4.25



### Genuine Bakelite Switch Plates

Attractive heavy bakelite. For single and double switch. **XM13340** ..... **8¢**  
Each ..... **17¢**  
**XM13341** ..... **17¢**



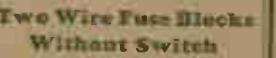
### Receptacle Plates

Same bakelite. Similar to above. For single and double receptacles. Will not carry on. **XM13333** ..... **9¢**  
**XM13334** ..... **9¢**  
Your Cost, Any Type **9¢**



Two Wire Fuse Blocks With Switch

Two fuses with double pole switch. Genuine bakelite and positive construction. Shpg. wt. 2 1/2 lbs. **XM13210**—Each ..... **55¢**



Two Wire Fuse Blocks Without Switch  
Positive built body. Heavy bakelite construction. Underwriters approved type. Shpg. wt. 1 1/2 lbs. **XM13215**—Your Cost Each ..... **20¢**

## SIGNAL Bells and Buzzers—Senior



Adjustable silver contacts and best construction that the market. Battery or transformer operation. Shpg. wt. 3 lbs. **XM13242**—Bell 2 1/2" ..... **45¢**  
Your Cost Each ..... **39¢**  
**XM13243**—Buzzer Your Cost Each

## GAYNOR Bells and Buzzers



Exceptionally neat and very compact. For battery or bell ringing transformer operation. Wide standard size. Shpg. wt. 1 lb. **XM13240**—Bell 2 1/2" ..... **26¢**  
Your Cost ..... **24¢**  
**XM13241**—Buzzer Your Cost

## BELDEN All-Rubber Extension Cord



Use in places where moisture is trapped and dirty lamp cords. All moisture proof insulation is provided in natural form. Comes in 50 ft. lengths with Belden's famous 100% rubber plug. **XM13272** Your Cost Each ..... **35¢**

## BELDEN Heater Cord



Green list of No. 10 3000 gram Heater Cord with special Long Wave heavy duty insulation. It will hold the heat in a boiler or hot water tank. Available with rubber plug and special wiring. **XM13227**—Your Cost Ea. **42¢**

## Insulated Staples



For hanging inside and outside and ground wires to. **XP15350** Per 100 Your Cost ..... **10¢**  
Per 1000 ..... 98c

## Combination Outlet Box Receptacle and "On-Off" Switch



Comes in a 1 1/2" size. 125 volt. 500 watt. 100 amp. and a bakelite body. Completely protected from the outside. Heavy duty brass receptacle and switch. Heavy duty brass contact. Ideal for use with home and other electrical appliances. **XM13223**—Your Cost Ea. **39¢**  
Per 100 ..... \$3.50

# ...highest quality-lowest prices!

## WIRING DEVICES

### Bakelite Baseboard Outlet



This handy device enables you to quickly install an outlet in any part of the house. Made of brown bakelite with center mounting wood screw. 1 1/2" x 2" x 8/32".

**XM13312** — Your Cost Each ..... **10¢**

### Bakelite Surface Switch



Bakelite cover will not tarnish and provides perfect insulation.

**XM13315** — Your Cost Each ..... **19¢**  
Carton of 10 \$1.75

### Soft Rubber Socket

Weatherproof. Unbreakable. 6" No. 14 wire leads. An excellent socket for portable use around the garage, etc.



**XM13321** — Cost Each ..... **13¢**  
Carton of 20 ..... \$2.25

### Miniature Receptacle



Porcelain, miniature base.

**XM13330** — Cost Each ..... **8¢**  
**XM13331** — Candleabra base. Your Cost Each. **9¢**

### Feed-Thru Switch

Bakelite. Very attractive.



**XM13275** — Each ..... **17¢**  
Carton of 10 \$1.60

## Bell Ringing DEVICES

### Midget Push Button



Bakelite. Only 1 1/2" dia.

**XM13297** — Your Cost Each ..... **12¢**  
Carton of 20 ..... \$2.25

**XM13238** — 3/4" dia. Your Cost Each ..... **9¢**  
Carton of 20 ..... \$1.69

**XM13237** — 1/2" dia. Your Cost Each ..... **10¢**  
Carton of 20 ..... \$1.80

### Single Name Plate

Bakelite. Size 2 1/2" x 2 1/2"

**XM13300** — Your Cost Each ..... **15¢**  
Carton of 12 ..... \$1.65

**XM13235** — 1 1/2" x 1 1/2" Your Cost Each ..... **12¢**  
Carton of 12 ..... \$1.25

### Dual Name Plate



Bakelite. 2 1/2" x 1 1/2"

**XM13299** — Your Cost Each ..... **38¢**  
Carton of 10 ..... \$3.50

**XM13236** — 3/4" x 1 1/2" Your Cost Each ..... **24¢**  
Carton of 10 ..... \$2.25

### Bell Ringing Transformer

Primary 110 V. A. C. Secondary 6-8 V. Wire leads on primary, posts on secondary.



**XM13245** — Each ..... **48¢**

### Pendant Switch



For controlling ceiling light. Has outlet at bottom for appliances.

**XM13284** — Each ..... **38¢**  
Carton of 10 ..... \$3.50

## REPLACEMENT ELEMENTS

### Fitsall Flatiron Element



Iron replacements. Will fit over 90% of the irons on the market, including G. E. Hot Point, Sunbeam, etc. Size 1 1/2" x 1 1/2".

**XM13270** — Your Cost Each ..... **25¢**  
Carton of 10 ..... \$2.25

### Electric Heater Elements

Best grade Resistance wire with standard base to fit all heaters.

**XM13304** — Cone Shape. Your Cost Each ..... **22¢**  
Carton of 10 ..... \$2.10

**XM13305** — Straight Type. Your Cost Each ..... **29¢**  
Carton of 10 ..... \$2.70

### Trio Plug

Bakelite. Three outlets from 1 plug.

**XM13282** — Your Cost Each ..... **6¢**  
Per Dozen ..... 65¢  
Carton of 25 ..... \$1.25

### Midget Cord Connector

Flat black connector with flat blades.

**XM13276** — Your Cost Each ..... **16¢**  
Carton of 10 ..... \$1.42

### Nickel Chrome Element



Who want spiral wound element. Lead wire, to ordinary base wire. Two diameter.

**XM13317** — 1/2" dia. Your Cost Each ..... **10¢**  
**XM13318** — 3/4" dia. Your Cost Each ..... **10¢**

### Cigar Lighter Unit

Replaces burned out elements. Converts regular socket into lighter.

**XM13286** — Your Cost Each ..... **12¢**  
Carton of 10 ..... \$1.10

### Toaster Element

Can be adjusted to toast many types of bread.

**XM13320** — Your Cost Each ..... **75¢**  
Carton of 10 ..... \$6.50

### Pearl Push Button



Attractive push button for general use.

**XM12830** — Each ..... **18¢**  
Dozen ..... \$2.00

## ATTACHMENT PLUGS

### Spring Action Caps



Tight gripping prongs, bakelite.

**XM13008** — Dozen ..... **40¢**  
Each ..... **4¢**

### BAKELITE CAPS

**XM13306** — Ordinary prongs. Your Cost Each ..... **3¢**  
Per Dozen ..... 28¢

### Bakelite Plug

With handle prevents pulling out wires.



**XM13281** — Each ..... **4¢**  
Carton of 25 ..... 90¢

### Fused Triple Outlet Plug



Protects appliances, etc. Prevents main fuses from blowing. Shpg. wt. 1 lb.

**XM13249** — Cost Each ..... **20¢**

### Fused Cord Plug

Attached directly to cord.

**XM13229** — Each ..... **16¢**  
**XM13246** — Head of fuse. Your Cost ..... **10¢**

### Soft Rubber Handle Plug



Handle plug made of soft rubber. Cannot catch or break. Best type to use for portable tools, vacuum cleaners, etc.

**XM13301** — Your Cost Each ..... **5¢**  
Carton of 10 ..... 40¢

### Bakelite Heater Plug

Small and of exceedingly attractive appearance. Made of genuine brown bakelite.

**XM13290** — Your Cost Each ..... **9¢**  
Carton of 10 ..... 80¢

### Armored Heater Plug

Cold moulded black composition. Heavy nickel-plated steel shell protects plug from breakage.

**XM13291** — Each ..... **10¢**  
Carton of 10 ..... 85¢

### Switch Plug

Bakelite plug with built in switch and Kool Pull spring. Especially desirable for fans.

**XM13314** — Cost Each ..... **21¢**  
Carton of 10 ..... \$1.95

## Socket ATTACHMENTS

### Socket Extension



Makes it possible to use Twin Lite sockets and taps under shades.

**XM13267** — Your Cost Each ..... **8¢**  
Carton of 25 ..... \$1.75

### Twin Lite Socket

Genuine brown bakelite. One piece construction.

**XM13279** — Your Cost Each ..... **12¢**  
Carton of 10 ..... \$1.00

### Bakelite Angle Socket

Permits bulb to hang straight. Shade holder can be used.

**XM13269** — Cost Each ..... **12¢**  
Carton of 10 ..... \$1.00

### Pull Chain Angle Socket

Same as above except that straight socket has pull chain.

**XM13268** — Cost Each ..... **26¢**  
Carton of 10 ..... \$2.20

### Current Tap

Switch socket combined with two cap outlets.

**XM13278** — Your Cost Each ..... **12¢**  
Carton of 10 ..... \$1.00

## CORD SETS

### Trio Tap Extension Cord



Extension cord with bakelite handle cap and trio tap.

**XM13293** — 6 ft. Each ..... **27¢**  
**XM13296** — 15 ft. Each ..... **39¢**

### Trio Tap

Tap only, same as used on above cord.

**XM13283** — Each ..... **10¢**  
Carton of 25 ..... \$2.00

### Heater Cord Set



Bakelite Plug and Cap. 6 foot Rayon covered heater cord.

**XM13325** — Your Cost Each ..... **19¢**

### Armored Cord Set

Same as above but with armored heater plug.

**XM13326** — Each ..... **25¢**

### Switch Plug Set

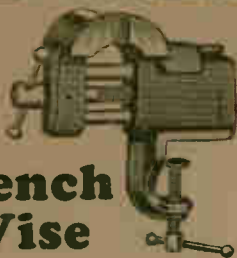
Heater cord set using the tank cap and Kool Pull Switch Plug as found elsewhere on this page. The heater cord set made.

**XM13316** — Cost Each ..... **33¢**



# QUALITY TOOLS and

## Bench Vise



A very reasonable vice for the radio man. Good steel, carefully machined. Finished in red enamel with highly polished jaws and handle. Adjustably cut threads. Will clamp on board or bench up to 2 in. thick. Has an all metal jaw. Made in two sizes. XP14727 Jaws 2 1/2" wide. Shipping weight 7 lbs. List \$2.00. Your Cost **92c**

XP14728 Jaws 3 1/2" wide. Shpg. wt. 10 lbs. List \$2.00 Your Cost **\$1.45**



## G. M. Co. Electric Hand Drill

A standard electric hand drill with GENERAL ELECTRIC A. T. D. C. MOTOR and BALL BEARING BEARING in front. It is equipped with a heavy metal gear and a ball bearing. Also has a rubber foot. The motor has a 1/2 hp. and runs at 1700 r.p.m. This drill will stand the test of heavy use and should be considered as a standard hand drill. Shpg. wt. 10 lbs. XP14726 List \$25.00. Your Cost, Each **\$14.85**

## Motor-Driven Buffer and Grinder



Not a toy, but a real electric motor driven buffer and grinder for the workshop. It has a pulley on each end of motor shaft for driving other apparatus. It has a 1/2 hp. motor, 1700 r.p.m. On and off switch on end of motor. Does much in a few minutes that otherwise would take several hours. Buffs, sharpens, polishes and drives other tools. Mounted on a strong cast iron with four mounting holes. Complete with first grade grinding wheel, buffer and two pulleys. Equipped with durable wood and attachment. Shpg. wt. 5 lbs. XP14872 List \$12.00. Your Cost **\$6.95**

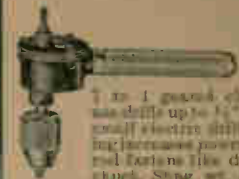
## Motor Arbors



Arbors to fit motor. Equipped with safety and locking nut to hold grinding wheel, saws, etc. Has a 1/2" chuck with three hardened jaws. Shpg. wt. 2 lbs.

Stock No.	Unit Price	Motor Size	Your Cost
XP15095	1/2"		52c
XP15096	3/8"		<b>60c</b>
XP15097	1/2"		
XP15098	3/4"		89c

## G. M. Co. Geared Chuck



1 to 1 geared chuck to use drills up to 1/2" in your small electric drill. Gear-up ratios are 1:1, 2:1, 3:1, 4:1, 5:1, 6:1, 8:1, 10:1. Shpg. wt. 4 lbs.

XP14698 List \$4.25 Your Cost **\$4.25**

## Yankee Radio Tool Set No. 106

### In Handsome Wood Box

This complete tool set No. 106 is a beautiful set of tools. It is a complete set of tools for the radio man. It includes a hand drill, a buffer and grinder, a bench vise, a bench grinder, a double bench grinder, a radio tool set, and a combination bench outfit. It is all in a handsome wood box. Shpg. wt. 2 lbs. XP15025 List \$7.45 Your Cost **\$7.45**



## Yankee Radio Tool Set No. 105

This complete tool set No. 105 is a beautiful set of tools. It is a complete set of tools for the radio man. It includes a hand drill, a buffer and grinder, a bench vise, a bench grinder, a double bench grinder, a radio tool set, and a combination bench outfit. It is all in a handsome wood box. Shpg. wt. 2 lbs. XP15027 List \$2.95 Your Cost for Complete Set **\$2.95**



## Swivel Vise

Different swivel vices are easily combined by the action of a spring clamping. They are made in two sizes. Jaws are made of high carbon steel and are finished in red enamel. Jaws are 2 1/2" and 3 1/2" wide and 1 1/2" deep. They are finished in black enamel and are made of high carbon steel. Shpg. wt. 2 lbs. XP15135 List \$1.25 Your Cost **\$1.25**



XP15135 List \$1.25 Your Cost **\$1.25**

## 17 Piece Polishing Head Outfit

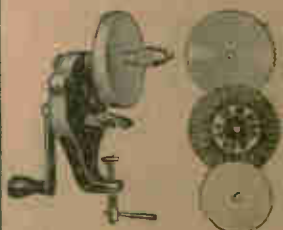


XP14746 List \$6.50 Your Cost Complete **\$3.25**

Set consists of a polishing head with 17 jaw chucks holding discs up to 1 1/2" diameter. Also has a table mounted with guide, size 3 1/2" x 1 1/2" of round foot. Includes a 2 1/2" wide band of extra early 1/2" grinding wheel and end of 1 1/2" diameter, size 1 1/2" x 1 1/2". Polishing head has two brass pulleys. An ideal outfit for radio repairmen. No one who works with tools should be without this set. Shpg. wt. 4 lbs.

**\$3.25**

## Combination Bench Outfit



A complete clamp-on-to-bench outfit with 10 1/2" gears consisting of a 4" grinding wheel, also much for cone drills up to 1/2" diameter. Also a 1/2" bench vise and wire brush. Five handle bench clamp the value up to 1 1/2" thick. All parts are made of high carbon steel with oil finish. Body cast in red enamel. Shpg. wt. 2 lbs. XP14744 List \$4.00 Your Cost **\$2.15**

XP14744 List \$4.00 Your Cost **\$2.15**

## Bench Grinder

Will fit any bench 12" thick. Grinding wheel 12" in diameter 1 1/2" thick. A 1/2" wide grinding guide. Disposed of your extra 1 1/2" H.P. bench. Shpg. wt. 6 lbs. XP14729 List \$2.00 Your Cost **95c**



XP14729 List \$2.00 Your Cost **95c**

## Double Bench Grinder



Red enamel finished frame with a mounting base. 12" grinding wheel on each side. 1 1/2" wide grinding guide. Shpg. wt. 6 lbs. XP14738 List \$5.00 Your Cost **\$2.69**

## Radio Tool Set



Complete ten piece radio tool set for radio servicing. 3/4" screw driver, screwdriver, utility, pliers, combination file, wire cutters, wire snips, and 1/2" hex and 3/8" hex sockets. Shpg. wt. 2 lbs. XP15108 List \$2.25 Your Cost **\$2.25**

## Circular Saws

Combination 1 1/2" diameter 1 1/2" diameter.

Stock No.	Price	Motor Size	Your Cost
XP15216	1 1/2"		\$0.69
XP15217	2"		.79
XP15218	3"		1.10

# HARDWARE for EVERY PURPOSE



## Metal File Handle



Japanned. Will fit all sizes of files. Will take any type of tool with a shank less than 3/4". Set screw holds tools rigid. Shpg. wt. 1 lb. **XP15042**  
Your Cost Each ..... **10¢**

## Wood File Handles



Polished hardwood, fitted with a brass ferrule. Shpg. wt. 1 lb. **XP15043**  
Your Cost Each ..... **5¢**

## Caliper Rule



Measures inside and outside diameters up to 5 inches, calibrated in 1/16 and 1/32 part of an inch. Has knurled locknut. Shipping weight 8 oz. **XP14891**—Your Cost ..... **10¢**

**Holds, Starts, Sets any Size Screw**



**Tool Steel Blade Long Maple Handle**

The most practical Screw Driver ever developed. Has gripper which automatically stays at any point on shank. May be used as screw gripping screw driver to drive screws in difficult places or as ordinary screw driver. Specially tempered blade, of tool steel, is of the slender type. Hard maple handle. Shpg. wt. 1 lb.

Stock No.	Blade Length	Your Cost
<b>XP15114</b>	1 1/2"	\$0.27
<b>XP14721</b>	4x"	.35
<b>XP14722</b>	10x"	.43

## Circle Cutters



No. 1

Cut holes easily and quickly in metal, wood, bakelite, hard rubber, etc. Nos. 1 and 2 cut holes from 1 to 4" in diameter. No. 5 cuts holes from 1 to 5" in diameter. No. 1 cutter has an extra beading cutter attached. No. 5 cutter available with square or round shank. State type desired on order.



No. 5

**XP14717—No. 1. XP14734—No. 5** **XP14718—No. 2. \$1.15**  
Your Cost ..... **\$1.90** Your Cost .....  
Your Type ..... **XP14716—Extra Blades.**  
Your Cost ..... **24c**  
Shpg. wt. of Cutters 2 lbs. Shpg. wt. of Blades 1 lb.

## Cold Chisel and Punch Set

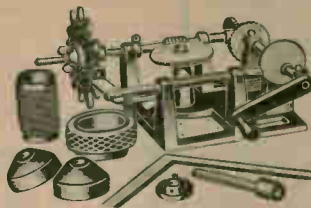


1 1/2", 1 3/4" chisels, 3 punches. Shipping weight 2 lbs. **XP15125** ..... **35¢**

**XP15179**—3/8" chisel only. Shipping weight 2 lbs. Each ..... **10¢**



## Universal Coil Winder



Will wind Honey Comb, Spiderweb, or Solenoid coils of various widths and diameters. Equal in appearance to factory made coils. Includes all accessories necessary for winding the various types. Has recorder and indicator that counts turns. Black enamel finish. Shpg. wt. 6 lbs. **XP14725—List \$7.50**  
Your Cost Each ..... **\$4.35**

## Screw Holding Screw Driver



For use in inaccessible places where the ordinary screw driver cannot be used effectively in inserting or extracting screws. Made of tempered tool steel. Some of its advantages are: It holds screw tight while using; prevents loss of screw; indispensable in assembling and is the only screw driver having the automatic release. Handle is insulated. Grippers are of blue spring steel. Shpg. wt. 2 lbs.

Stock No.	Blade Length	Your Cost
<b>XP15061</b>	8" long	\$0.69
<b>XP15062</b>	10" long	.89

# Quality Screw Drivers at BARGAIN PRICES!

## Service Screw Driver



A low priced and very popular Screw Driver, with polished blade and attractively finished red handle fastened with head lock. Blade of forged steel. Shpg. wt. 1 lb. **XP15056—Blade 3"**  
**XP15055—Blade 5"**  
Either Type ..... **10¢**

## Shockless Screw Driver



A popular priced insulated handle Screw Driver for electrical, house-hold and automotive work. Handle and Ferrule are moulded in one piece of Black and Red Composition. Blade is nickel plated and has straight side point. 6" long. Shpg. wt. 1 lb. **XP15060—Your Cost. 12¢**  
Per Dozen ..... **\$1.20**

## GOODELL-PRATT Radio Screw Driver



Long slender blade especially suitable for radio work. Smallest of its kind to fit set screws in radio knobs. Hammer forged blade, nickel ferrule. Hardwood handle. 3" blade. Shpg. wt. 8 oz. **XP14949**  
Your Cost Each ..... **25¢**

## Electrician's Screw Driver



Simply constructed, but strong and durable. This is an exceptionally good screw driver for the price quoted. Slender polished blade with forged point, hardened and tempered. Nickel plated ferrule; Electrician's style handle; length of blade 6". Shpg. wt. 1 lb. **XP15059—Your Cost Each 12¢**  
Per Dozen ..... **\$1.25**

## 3 in 1 Screw Driver



Nesting type. Smallest nests in handle of next largest and the two together in the largest. Steel blades with brass handles. 4 1/2" long. Shpg. wt. 1 lb. **XP15220—Your Cost 10¢**

## Insulated Screw Driver



Insulated shaft and handle. **XP15225**—4 1/2" ..... **16¢**  
**XP15226**—6 1/2" ..... **24¢**  
**XP15227**—8 1/2" ..... **28¢**  
**XP15228**—Set of 3 ..... **60¢**

## Ratchet Screw Driver



Tool steel blade. Nickel plated ferrule, hardwood handle. Has 3 position ratchet adjustment that allows operation to right or left or holds blade rigid. Shpg. wt. 1 lb.

Stock No.	Blade Length	Your Cost
<b>XP14969</b>	3"	19c
<b>XP14950</b>	4"	21c
<b>XP14970</b>	5"	23c

## Pocket Ratchet Screw Driver



A handy pocket size ratchet screw driver with clip. Insulated case in handle. 6" long. Shpg. wt. 1 lb. **XP15233**  
Your Cost ..... **25¢**

## GOODELL-PRATT Right Angle Ratchet Screw Driver



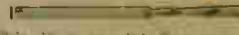
Enclosed ratchet mechanism. Removable bit 1/4" wide. 1 1/2" long. Tool is 4" long. Shpg. wt. 1 lb. **XP15232**  
Your Cost ..... **75¢**

## Rivet-O-Punch



Punches holes—fastens rivets in leather, fibre, paper or canvas. Can be used to make solder-cups, etc. Complete with box of brass rivets. Shpg. wt. 1 lb. **XP15046—List \$2.00**  
Your Cost ..... **59¢**

## Platinum Point File



This is a special fine cut file designed for spark plugs or coils. Shpg. wt. 1 lb. **XP15073**  
Your Cost Each ..... **9¢**

## Steel Letter and Figure Set



Metal, leather, wood, etc. very handy for marking your tools. Complete alphabet and numerals 0 to 9. Shpg. wt. 7 lb. **XP14977**  
Your Cost ..... **\$1.49**

To Speed Handling of YOUR Order--Use Our Order Blank

# TOOLS and HARDWARE for

## Open End Wrench Set



Five open end stamped wrenches with the following openings:

7/16", 1/2", 9/16", 5/8", and 11/16". Bright chromium plated with machite screw and large knurled head to hold when using the

XP15144 Your Cost **35¢**

## Open End Wrench Set



Every mechanic or amateur who wishes to do a great deal of work that will stand a great deal of pressure and abuse will appreciate the following set of six open end wrenches with the following openings:

Bright chromium plated. Heat treated for extra strength. Shpg. wt. 1 lb.

XP15143 Your Cost **75¢**

## Socket Wrench Set



Made of chromium plated steel. Contains each of the following sockets:

7/16", 1/2", 9/16", 5/8", and 11/16". Shpg. wt. 2 1/2 lbs.

XP15080 Your Cost **39¢**

## Ratchet Brace and Bit Outfit



Steel brace fully nickel plated with wood knob and handle, finished in real-rang. Has 10" jaw, round knurled aluminum jaw with gear. Equipped with the latest adjustment. Complete set of a Japanese Super bit in a convenient carry case with lid cover. Highest quality steel. Shpg. wt. 1 lb.

XP14735 Your Cost **\$2.95**

XP14736 Your Cost **\$1.25**

## JAMES SWAN Auger Bits



Of highest quality steel. For fast and clean drilling in wood, D. 1/2" diameter. Shpg. wt. 1 lb.

XP14737 Your Cost **\$1.79**

## Offset Box End Wrenches

Box end offset wrenches that will not slip off the nut or head of the nut.

Five wrenches with the following openings:

7/16", 1/2", 9/16", 5/8", and 11/16". Bright chromium plated with stud and wing nut head.

XP15145 Your Cost **65¢**

## Wrench Set



Here's a handy little set for your tool kit. 10-in-1 multi-tool wrench set that will take all the following openings:

7/16", 1/2", 9/16", 5/8", and 11/16". Shpg. wt. 1 lb.

XP14732 List 70¢ Your Cost **35¢**

## End Wrench Set



A handy pocket set for repairing auto and radio mechanics, electricians, etc. Ideal for adjusting nuts in small spaces. Set consists of 5 double end wrenches and a leather case. Shpg. wt. 2 lbs.

XP15081 Your Cost **15¢**

## Economy Brace



Although this brace is inexpensive, it is made to withstand hard use over a long period of time. A worth while addition to any tool kit you may wish to equip. This is a traditional value in a well made brace. Round knurled aluminum brace with heavy gear. Wooden knob and handle, finished in mahogany. All steel parts fully polished. Has 10" jaw.

Shpg. wt. 3 lbs.

XP14739 List \$1.00 Your Cost **45¢**

## G. M. Co. Hand Drills



Four fully machined hand drills with the bar end chuck jaws. Accurately machined gears. Patented hollow handle for strong drilling. A built in handle for carrying. Shpg. wt. 2 lbs.

XP14723 With side knob **79¢**

XP14724 Without side knob **69¢**

## Trustest Wrench Set and Screw Driver



A combination screw driver and wrench set. Consists of screw driver with a straight end & 3" 1/2" offset extension. A handling and the following openings:

XP15159 Your Cost **95¢**

## Angle Wrenches



Adjustable angle wrenches of high quality drop forged steel. 1 1/2" and 2" openings. Shpg. wt. 2 lbs.

XP15141 Your Cost **38¢**

XP15142 Your Cost **54¢**

## Radio Reamer



The handier tool for reaming holes in radio panels, wood, light metals, etc. Length of handle 3". Will ream holes from 1/8" to 1/4". Shpg. wt. 1 lb.

XP15065 Your Cost Each **17¢**

## "Stix-on" Wrench



A patented wrench that fits all nuts from 3/16" to 1 1/2". Jaw ends each will take nut, turning in either direction via the grip. Tempered steel construction. Shpg. wt. 1 lb.

XP14936 Your Cost **15¢**

## Tap Wrench



Highest quality tap wrench 1941 model, 10" length. The hardened, perfectly fitting jaws will take up to 1/2" tap. Shpg. wt. 2 lbs.

XP14714 Your Cost **25¢**

## Carbon Twist Drills



ASSORTMENT of 5 sizes: 1/16", 1/8", 3/16", 1/4", 5/16". Completely ground and will hold their edge in the toughest metal. Shpg. wt. 2 lbs.

XX14709 Your Cost **35¢**

XP14710 Your Cost **32¢**

## RADIO SOCKET WRENCHES

### All Steel Set



This set will contain the hardest sockets. Five hexagonal sockets: 1/8", 3/16", 1/4", 5/16", and 3/8". Each set with a hex key. Chromium plated. Knurled handle. Sockets easy to remove, set will not loosen while working. Shpg. wt. 1 lb.

XP14749 Your Cost **43¢**

### Goodell-Pratt



Set consists of handle with polished steel parts and mahogany finished grip. 3 hex. sockets, sizes: 1/8", 3/16", 1/4", and a hex key. Knurled handle. Sockets easy to remove, set will not loosen while working. Shpg. wt. 1 lb.

XP15049 Your Cost Per Set **74¢**

## INDESTRO Socket Wrench Set

Strongly made wrench set ready finished in bright chrome with knurled handle. Complete with five hexagon



socket, one round nut socket and screw driver socket. Shpg. wt. 1 lb.

XP15111 Your Cost **55¢**

## SPIN TYPE Socket Wrenches. Straight and Offset Types



6" Straight

XP15203 For 1/8" hex. nuts  
XP15051 For 3/16" hex. nuts  
XP15052 For 1/4" hex. nuts  
XP15053 For 5/16" hex. nuts  
XP15054 For 3/8" hex. nuts  
XP15055 For 1/2" hex. nuts

Your Cost, Any Size **12¢**  
XP15205 For set of 6... 65¢

7" Offset Type

XP15209 For 1/8" hex. nuts  
XP15107 For 3/16" hex. nuts  
XP15109 For 1/4" hex. nuts  
XP15108 For 5/16" hex. nuts  
XP15110 For 3/8" hex. nuts  
XP15210 For 1/2" hex. nuts

Your Cost, Any Size **16¢**  
XP15211 For set of 6... 85¢

7" Offset Type

XP15206 For 1/8" hex. nuts  
XP15207 For 3/16" hex. nuts  
XP15208 For 1/4" hex. nuts

Your Cost, Any Size **16¢**

8" Offset Type

XP15212 For 1/8" hex. nuts  
XP15213 For 3/16" hex. nuts  
XP15214 For 1/4" hex. nuts  
XP15215 For 5/16" hex. nuts

Your Cost, Any Size **85¢**

# MECHANICS and SERVICEMEN



**Crescent Bent Nose Pliers**  
For hard-to-get-at places. Drop forged steel heavily nickel plated. Handle is knurled for steady gripping. Shpg. wt. 3 lbs.  
XP15131—**75¢**  
Your Cost.....

**Lineman's Pliers**  
A sturdy heavy tool. Sharp cutters with strong handles. 6 1/2" long. Shpg. wt. 3 lbs.  
XP15128—Your Cost.....**35¢**

**Nickel Thin Nose Pliers**  
A special nickel plier with long nose. 6 1/2" long. Shpg. wt. 3 lbs.  
XP15129—Your Cost.....**29¢**

**Gen. line KRAEUTER Pliers**

**Diagonal Cutting Pliers**  
A very popular plier with all servicemen. Sharp cutters. 5 3/4" long. Shpg. wt. 3 lbs.  
XP15127—Your Cost.....**35¢**

## KLEIN'S Pliers—the finest made

**A—Side Cutting Plier.** A sturdy lineman's plier for use on bare or insulated wire. Has rounded nose for use in tight quarters. Sharp perfectly fitted cutting knives. Full clearance back of knife permits use on insulated wire. Shpg. wt. 3 lbs.  
XP15222—6" long. **\$2.25**  
Your Cost.....

**B—Oblique Cutting Pliers with Wire Stripping Notch.** Cutting pliers with the addition of a notch in the knives for use in stripping insulation. Lap joint. Narrow head. 6" long. Shpg. wt. 3 lbs.  
XP15223—**\$2.30**  
Your Cost.....

**C—Long Nose Side Cutting Plier.** A real long nose plier that will stand the abuse you give it without complaint. Hardened and tempered to insure positive grip at the tip. Sharp carefully fitted cutting knives. Shpg. wt. 3 lbs.  
XP15221—6" long. **\$2.10**  
Your Cost.....

**D—Long Curved Nose Plier.** A handy plier for working in close quarters around radio chassis, etc. Jaws will not lose their shape. 6" long. Shpg. wt. 2 lbs.  
XP15224—**\$2.25**  
Your Cost.....

You owe it to yourself to own at least two good pairs of pliers. Kraeuter pliers have been acknowledged for years as being the finest pliers made. The quality will be remembered long after the price has been forgotten. Shpg. wt. each 1 lb.

**Nickel Radio Pliers**  
A handy all-around plier, neatly made. Shpg. wt. 3 lbs. 6" long.  
XP15132—**33¢**  
Your Cost.....

**Tinner's Snips**  
Finest grade drop-forged shears. 10" long with polished blades and red enameled handles. Shpg. wt. 2 lbs.  
XP15118—**54¢**  
Your Cost.....

**Diagonal Cutting**  
A—Cutting jaws of this plier come together perfectly. "They cut the insulation as well as the wire." Length 5 1/4".  
XP1494—Your Cost **\$1.20**

**Long Nose**  
B—A truly fine tool with a side cutting blade that is sharp, and will stay so. Gets into the places that are hard to get at.  
XP1494—6" long. **\$1.05**  
Your Cost.....

**Needle Nose Pliers**  
C—Furnished with an extra long finely tempered nose, for reaching into difficult places. Length, 6".  
XP1507—**\$1.20**  
Your Cost.....

**"LAMCO" Work Bench**  
Strongly Built for Garage, Shop or Home Use  
An excellent bench for use by the radio serviceman. It is sturdily made and will not wobble. At this low price it does not pay to try to build your own bench. Sub-structure made of 1 1/2" Angle-Iron securely arc welded for rigidity. Stringers are inverted to allow for nesting in of lower shelf. Fastener plates at corners for additional firmness. Slotted foot rest for anchoring to floor. Top made of 2" kiln-dried Douglas Fir, vertical grain. Size 24x60" top; 31" high. Delivered knocked down. Shpg. wt. 80 lbs.  
XP1494—**\$10.75**  
Your Cost Each.....



**Power Sprayer**  
Made to operate from the spark plug of any automobile. It will spray lacquer, paint, varnish, shellac insecticide, in fact any other finely mixed freely flowing mixture or fluid. Is furnished complete with sprayer, pint jar container, spark plug air check valve, compression tank, a set of adapters for all sizes of sparkplugs, and 12 feet air hose. Shpg. wt. 11 lbs. XP14704 List \$7.50 **\$3.25**  
Your Cost Complete.....



**Handy Sprayer**  
Air pressure supplied by any automobile tire. Complete with glass jar 6 ft. of hose, and adjustable spray tip. Will spray approximately four jars from one tire containing 30 lbs. pressure. Shpg. wt. 5 lbs.  
XP14705—Your Cost.....**69¢**

Handy Sprayer

**Utilco Steel Tool Boxes**  
The "Utility"  
A mechanic's tool box, fishing tackle box, valuable paper box, for household tools and a dozen other purposes. Has loose tray with movable partitions. Heavy steel, beautifully finished in olive green. Matched hardware. Size 14x6 1/2x6". Shpg. wt. 6 lbs.  
XP14870—Your Cost.....**79¢**

**The "Master"**  
Can be used as—Tool Box; Tackle Box or as a Cash and Bond Box. Special cantilever tray has rounded bottom and can be released from mechanism and be lifted out by hand or can be removed entirely and used separately. Size 13 1/2x4 1/2x6 1/4". Olive green finish. Shpg. wt. 3 lbs.  
XP15154—**59¢**  
Your Cost.....

**The "Craftsman"**  
Has cantilever tray that pulls into position when box is opened—all contents handy to get at. Made of heavy gauge, cold rolled steel with electric welded flush seams. Finished in especially hard baked enamel, olive green in color. Has permanent embossed rule on cover. Movable tray partitions. Matched hardware with lock and key. Size 14x6 1/2x6". Shpg. wt. 7 lbs.  
XP14871—Your Cost Each **89¢**

**The "De Luxe"**  
TWO DOUBLE Trays with cantilever action. Particularly suited for use as tackle box or any outdoor use, it is carefully waterproofed. Embossed rule on cover to measure fish, etc. Sturdy catches and lock with key. Size 13 1/2x6 1/4x6 1/4". Green finish. Shpg. wt. 4 lbs.  
XP15153—**\$1.15**  
Your Cost.....

**The "Craftsman"**  
Has cantilever tray that pulls into position when box is opened—all contents handy to get at. Made of heavy gauge, cold rolled steel with electric welded flush seams. Finished in especially hard baked enamel, olive green in color. Has permanent embossed rule on cover. Movable tray partitions. Matched hardware with lock and key. Size 14x6 1/2x6". Shpg. wt. 7 lbs.  
XP14871—Your Cost Each **89¢**

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TWO DOUBLE Trays with cantilever action. Particularly suited for use as tackle box or any outdoor use, it is carefully waterproofed. Embossed rule on cover to measure fish, etc. Sturdy catches and lock with key. Size 13 1/2x6 1/4x6 1/4". Green finish. Shpg. wt. 4 lbs.  
XP15153—**\$1.15**  
Your Cost.....

**The "De Luxe"**  
TWO DOUBLE Trays with cantilever action. Particularly suited for use as tackle box or any outdoor use, it is carefully waterproofed. Embossed rule on cover to measure fish, etc. Sturdy catches and lock with key. Size 13 1/2x6 1/4x6 1/4". Green finish. Shpg. wt. 4 lbs.  
XP15153—**\$1.15**  
Your Cost.....

**The "De Luxe"**  
TWO DOUBLE Trays with cantilever action. Particularly suited for use as tackle box or any outdoor use, it is carefully waterproofed. Embossed rule on cover to measure fish, etc. Sturdy catches and lock with key. Size 13 1/2x6 1/4x6 1/4". Green finish. Shpg. wt. 4 lbs.  
XP15153—**\$1.15**  
Your Cost.....

**We Will Not Knowingly Be Undersold**

# AUTO RADIO

## MALLORY-ELKON Auto "B" Eliminators and Replacement Vibrators



Developed after years of searching, it is now the all-in-one set. No rotary parts; no tubes used. Fully insulated. Guaranteed. Size 7 1/2" x 4 1/2" x 3 1/2". Ship. wt. 17 lbs.

**XN14223** ..... \$19.95 **\$11.73**  
Your Cost

### NOTE

When ordering eliminators for auto other than those listed, give make, model, number, and type of tube and "B" voltage used.

### Approved for These Auto-Radio Sets

Make and Model No.	Approved Mallory-Elkon Eliminator	Make and Model No.	Approved Mallory-Elkon Eliminator
Atwater Kent, 81	Type 211-CD	Majestic, 114	Type 211 C
Atwater Kent, 91	210-CA	Motomator	212 C
Bowen, 40	214	Motorola, 6-Tube	210
Bowen, 84	214	Motorola, 7 T 22	210
Bowen, 9:20	211 FC	Motorola, 7 T 47A	210
Cadillac, 7-Tube	211 C	Motorola, 5 T 71	211 M
Colonial, 54	213	Motorola, 5-Tube	211 M
Colonial, 13	211	Ohio, 6-Tube	210
Crosley Radiola, 85		Philco, 5	212 C
(13 Output Tube)	212 C	Philco, 6	211 C
Crosley Radiola, 95		Philco, 7	211 C
(41 Output Tube)	211 C	(41 Output Tube)	211 P
Crosley Radiola, 96	211 C	Philco, 7	212 P
Crosley Radiola, 92	211	(34 Output Tube)	210 C
Crosley Radiola, 91	213	Philco, 8	211 C
Eastman		RC-A Victor, M 32	211 C
"Camagnet" 25A	214	Republic "Aurstone"	210
Edco, 251	212 FC	Sparrow, A 19	212 PC
General, 6-Tube	211 C	Spurline, 34	213 ST
General, 7-Tube	211 C	Spurline, 40	213 S
International		Universal, 57	211
"Radioette"	214 C	Universal, 73	211
Majestic, 114	211	Wells Gardner, 6-Tube	211 C
		Wells Gardner, 7-Tube	211 C

Requires Mallory "A" choke. **\$2.06**  
**XN14231** - Your Cost  
Mallory Replacement Eliminator, Types 11, 12, 13, 14. **\$4.12**  
Your Cost Each, Any Type.



Mallory-Elkon Vibrator, due to their scientific design and careful assembly, has become the popular unit in the auto radio field. They are used extensively by a great number of radio manufacturers producing the finest auto sets on the market today. Each unit is guaranteed against defects under the I.M.A. stand-and-warranty. In the better sets, some of the most popular sets you can choose. All exact duplicates, and in the chassis exactly without any changes.



Name and Model	Stock No.	Your Cost	Name and Model	Stock No.	Your Cost
Autolite			Colonist		
Model 63	<b>XN14533</b>	52.94	Model 150	<b>XN14549</b>	\$3.23
Model 118	<b>XN14534</b>	2.65	General Electric		
Autolite, 87			Model B40*	<b>XP14600</b>	3.23
Model 87, 87	<b>XN14535</b>	3.23	Model B41*	<b>XP14601</b>	3.23
1922 Model 4	<b>XN14536</b>	3.23	Model B42*	<b>XP14602</b>	3.23
Bosch			Lafayette		
Model 120			Model 662	<b>XP14603</b>	2.94
(Gen. Ed.)	<b>XN14537</b>	4.41	Model 130	<b>XP14604</b>	2.65
Model 130			Majestic		
(Gen. Ed.)	<b>XN14538</b>	3.23	Model 66	<b>XP14605</b>	2.94
Model 140			Motomator		
(Gen. Ed.)	<b>XN14539</b>	3.23	Model 88	<b>XP14606</b>	3.23
Model 140			Model 61	<b>XP14607</b>	3.23
(Gen. Ed.)	<b>XN14540</b>	3.23	Model 77	<b>XP14608</b>	4.41
Model 150			Model 77A	<b>XP14609</b>	3.23
(Gen. Ed.)	<b>XN14541</b>	3.23	Model 55	<b>XP14610</b>	4.41
Model 150	<b>XN14542</b>	3.23	Model 65A	<b>XP14611</b>	4.41
Model 45	<b>XN14543</b>	2.65	Model 44	<b>XP14612</b>	4.41
Model 79			Model 44A	<b>XP14613</b>	3.23
Cailliet			Model S-5	<b>XP14614</b>	3.23
Model 672			Model -		
(Gen. Ser.)	<b>XN14544</b>	2.94	All 1594	<b>XP14615</b>	2.65
Model 672			Strimberg Carlson		
(Gen. Ser.)	<b>XN14545</b>	4.41	All 1592 & 1594	<b>XP14616</b>	4.41
Model 676			*Requires special cup adaptor.		
(Standard)	<b>XN14546</b>	4.41			
Model 676					
(Master)	<b>XN14547</b>	4.41			
Model 676					
(Standard)	<b>XN14548</b>	2.65			

### UTAH "B" Eliminator For Majestic 66



All exact duplicate replacement vibrator for the Majestic model 66 (Gen. Ed.). Contains transformer, vibrator, filter, condenser and rectifier tube. Uses the new type 6A rectifier tube. Detailed instructions give complete assembly of entire unit. In heavy metal enclosure, with parts mounted in "die-cast" proof aluminum. Ship. wt. 4 1/2 lbs.

**XN14222**  
Complete unit with tube. **\$5.25**  
Your Cost

### Vibrator Transformer

Construction power transformer and vibrator in one unit. Large Simpson contacts. Of ball wire type (no rotary). Mounted in steel case with extra rubber lining. Two taps; each delivers 250 volts at 50 M.A. Ship. wt. 2 1/2 lbs. Ship. wt. 6 lbs.

**XN14215**  
For 6-volt input. **\$4.75**  
Your Cost  
**XN14206** - For 12-volt input. **\$5.75**  
Your Cost



### GEN-E-MOTOR Replacement Motors



Adapted to practically any auto set by using a battery or vibrator type power supply. It is used in six distinct models. See description, page 11, 12.

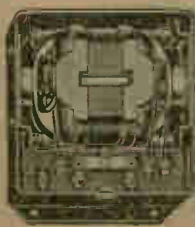
**XN14201** - Delivers 225 Volts at 50 M.A. from 6-volt source. Drain 3.5 amps.  
**XN14230** - Delivers 230 volts at 50 M.A. from 6-volt source. Battery drain 4.5 amps.  
Your Cost, **\$7.64**  
Either Type

**Motor for 32-Volt Power Supply**  
**XN14233** - Similar to above. Delivers 180 volts from a 32-volt input.  
Your Cost, **\$9.70**  
Each

### GEN-E-MOTOR Auto "B" Eliminators

Combined motor and generator operating from a 6-volt battery. Can mount in practically any chassis. Each model is with latest type of radio noise filter. Will carry up to 25% overload. In latest design. Employs auto type 100-ohm output. Ship. wt. 37 lbs.

Stock No.	Volts	M.A. Taps	Inter. Drain	Your Cost
<b>XN14209</b>	100	30	1.24	\$10.78
<b>XN14210</b>	100	30	None	2.70
<b>XN14228</b>	100	30	None	3.55
<b>XN14229</b>	100	30	None	4.21
<b>For Public Cars</b>				
<b>XN14245</b>	115	30	1.1	14.70
<b>For 8-164 Truck Equipment</b>				
<b>XN14211</b>	100	100	None	19.98
<b>For 32 Volt Lighting Plants</b>				
<b>XN14213</b>	115	30	1.1	13.52
<b>XN14212</b>	115	30	1.1	14.70



Taps can be provided to meet your specifications. Additional taps, **30¢**  
Your Cost Each Tap

### General Multi-Tap Auto "B" Power Supply

This Multi-Tap "B" power supply unit provides smooth, exact and constant 250-volt output with a 6-volt storage battery. The current drain is only 4.5 amperes at maximum output. Power for smaller loads. Taps are provided at 90, 100, 110 and 250 volts, as shown in illustration. Can utilize any type of vibrator to supply the necessary voltage. The vibrator is self-contained, has oil for 1 1/2 volt resistance non-magnetic metal case. Points are precision mounted on long life. Other features include: Electrostatic shielded transformer, both inside and out; high quality A and B tubes; electrolytic and by-pass condensers and voltage regulating resistor. Provided with relay which controls "B" mill from the set. All parts and wiring mounted directly on the chassis which is housed in a strong steel aluminum plated cabinet measuring 6 1/2" x 12 1/2" x 7 1/2".



**XN14252** Multi-Tap Tube Rectifier Unit, complete with Type 6A rectifier tube. **\$115.00**  
Your Cost Each **\$8.82**

### GENERAL Vibrator Units

Identical to those used in the above described units. Average ship. wt. 4 lbs.  
**Vibrators for Tube Rectifiers**  
**XN14254** - With leads. **\$2.35**  
**XN14255** - With plug-in leads. **\$2.35**  
Your Cost, **\$2.35**  
Either Type  
Synchronous Vibrators (Tubes)  
**XN14253** - With leads. **\$2.94**  
**XN14257** - With plug-in leads. **\$2.94**  
Your Cost, **\$2.94**  
Either Type





# ACCESSORIES

## Trutest Automatic Battery Charge Rate Regulator

This device automatically picks up the additional drain on the storage battery and generator caused by radios or electrical appliances. The Trutest Regulator advances the charging rate of the generator by approximately 5 amperes when the set or appliance is turned on, but automatically returns generator to the original charging rate when the equipment is not operating. Thus, generator and battery are saved from being overtaxed. Easily installed, without the need for any tools. Full instructions included. Shpg. wt. 2 lbs.

**XN14258**—Trutest Automatic Charge Rate Regulator.  
Your Cost.....



**\$2.25**

## New! SHERWOOD Master Filter

Eliminates Individual Suppressors

This filter is designed to replace all resistors, suppressors or filters as used in connection with auto radio installations. The Sherwood Master Filter is placed in the distributor head only, thus eliminating the necessity for using any type of suppression on the spark plugs. Consists of eight individual coils wound into a master coil, having an A.C. resistance of 420 ohms at 3400 R.P.M. motor speed. Its distributing capacity is held to a point of .00057, this being so low as to give complete suppression of motor noises, but resonating the circuit accurately at one given frequency which is held outside the broadcast band. Constructed with solid bakelite housing that will resist heat of 400° and is moisture proof. Will stand up under continuous excessive vibration. Stands up under 30,000-volt breakdown test. Shpg. wt. 8 oz.



**XN14135**—Sherwood Master Filter.  
Your Cost.....

**\$1.55**

## PHILCO Replacement Vibrator



Used in the Transitone models—6F, 9F, 5T, 10. Contained in a sponge rubber padded cylinder so that there is absolutely no noise pick-up. Vibrator is of the full wave type with points of pure silver. Unit is of the plug-in type, with standard four-prong base. Shpg. wt. 2 lbs.

**XN14274**—Your Cost Each.... **\$2.79**

## RCA Vibrator for M-34 Auto Set

The genuine RCA Part No. 7604 used in the popular M-34 auto set. Of the full-wave type. Has large copper contact arms with points of pure silver. The unit is mounted in a floating rubber base and is double shielded. It will pay you to keep one on hand for immediate service.

**XC2596**—Your Cost..... **\$3.00**



## Auto Radio Locks



Prevent the theft of auto sets. These units fit over one chassis mounting bolt, and prevent its removal until lock is opened by key. Yale locks are mounted in cast-steel casing. Black lacquer finish. Two keys provided. Fool proof. Instructions for mounting included. Shpg. wt. 2 lbs.

**XN14136**—Your Cost Each..... **89¢**

Similar to the above, but of one-piece bar steel. Black lacquer finish. Shpg. wt. 2 lbs.

**XN14137**—Your Cost Each..... **\$1.05**

**NOTE**  
A complete line of automobile antennas of all types, at lowest prices, will be found listed on page 23.

## BARGAIN Remote Control Cables

These cables, manufactured by the S. S. White Co., are the finest obtainable. Used by many well known set manufacturers as standard equipment on their auto sets. Ends cannot unravel. Both ends terminate in brass couplings 1/4" in diameter. Six sizes available. Shpg. wt. 3 lbs.



Stock No.	Lgth. Ins.	Your Cost	Stock No.	Lgth. Ins.	Your Cost
<b>XN14194</b>	14	\$0.25	<b>XN14197</b>	38	\$0.69
<b>XN14195</b>	20	.35	<b>XN14198</b>	47	.85
<b>XN14196</b>	29	.45	<b>XN14199</b>	72	.98

## Wire Wound Ignition Suppressors



The ideal suppressors for auto radio installations. They offer a high resistance to noise frequencies, yet permit ample flow of current for ignition purposes because of their low D.C. resistance (500 ohms). Will not cut down the speed of any car. Housed in non-hygroscopic bakelite casings; no leakage losses. Two types available: for spark plug and for the distributor. Shpg. wt. 8 oz.

**XE5296**—Spark Plug Type.  
**XE5297**—Distributor Type.  
Your Cost Each, Either Type..... **29¢**

## LYNCH Auto Noise Filter

Designed to do the same job for the auto radio that the line filter does for the home radio. For use in cars having one side of the battery and one side of the receiver grounded. Shpg. wt. 2 lbs.

**XE5255**—Your Cost Each..... **\$1.47**



## Generator Silencer

Both the generator commutator and cut-out are sources of noise. This noise can be eliminated by using our generator silencer.

**XP14215**—.5 mfd. Your Cost Each..... **22¢**  
**XP14216**—1 mfd. Your Cost Each..... **28¢**



## Distributor Silencer



A new and improved type which eliminates high frequency kick-backs and noise pick-up from the ignition coil. Has choke unit mounted inside the metal case, thus eliminating possibility of shorts to car frame. Shpg. wt. 3 lbs.

**XP14217**—Your Cost..... **75¢**

## Ammeter Condenser and Dome Light Filter

For eliminating noise originating in the wiring running to ammeter, dome light, horn, etc. Dome light eliminator contains choke and condenser. Ammeter condenser has no reactor.

**XN14218**—Ammeter Condenser. Your Cost..... **22¢**  
**XN14208**—Dome Light Filter. Your Cost..... **45¢**



## AMPERITE for Autos

In the event that battery connections on an auto become loose or corroded (which very often happens), the generator is capable of delivering up to 35 volts to anything connected across its terminals. This voltage remains high, and is liable to damage a radio set. An Amperite prevents this trouble. Shpg. wt. 2 lbs.

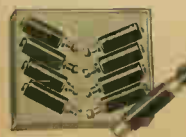
**XN14214**—Your Cost..... **\$1.25**



## Special Compact Suppressor Kits

These "Trutest" kits employ a new and simplified type of suppressor that will make the work of the auto radio installer much easier. The suppressors will fit any make car without the necessity for cutting any wires. Just unscrew spark plug cap, screw suppressor in its place and clip connecting wire to terminal provided on top of unit. Kits contain one spark plug suppressor for each cylinder and one distributor suppressor.

**XE5280**—Four Cylinders. Your Cost..... **72¢**  
**XE5281**—Six Cylinders. Your Cost..... **88¢**  
**XE5282**—Eight Cylinders. Your Cost..... **\$1.18**  
**XE5284**—Special Set of 8 Suppressors for Ford V8. Your Cost..... **\$1.25**



**XE5278**—Single Spark Plug Suppressor. Your Cost Each..... **14¢**  
**XE5279**—Single Distributor Suppressor. Your Cost Each..... **14¢**  
**XE5253**—Special Compact Type for Buick Cars. Your Cost Each..... **16¢**

## Trutest "Airplane Dial" Remote Control

Built of pressed steel, rust-proofed and finished in black lacquer. Dial, illuminated by a pilot bulb, has sweep hand indicator of the popular airplane type. Key is part of volume control knob. Entire unit clamps on steering column. Size: 3 1/2" high, 2 1/2" wide, 1" thick. Can be used as a replacement control in many standard sets. Shpg. wt. 3 lbs.

**XN14241**—Remote control with knobs and pilot light; less cables, couplers and clamps. Your Cost..... **\$2.25**

**XN14243**—18" Cables—Your Cost, Per Pair..... **\$0.95**  
**XN14246**—21" Cables—Your Cost, Per Pair..... **1.08**  
**XN14247**—30" Cables—Your Cost, Per Pair..... **1.25**  
**XN14242**—Connecting Couplers—Your Cost, Per Pair..... **.10**  
**XN14244**—Cable Clamps—Your Cost, Per Pair..... **.10**



We Will Not Knowingly Be Undersold



# These PRICES tell their OWN story!

## Jack Plane



Hand plane with extra smooth bottom. Double iron. Hand and foot. Perfectly polished hardwood. Sides highly polished. Cutting blade 2 1/2 in. Length of base 11 1/2. Will stand up under hard usage. Shpg. wt. 1 lb.

**XP15119 Your Cost \$1.55**

## Pocket Level



Guaranteed accurate. Non-rusting gold. Metal plated. Length 2 1/2. Shpg. wt. 8 oz.

**XP14981 Your Cost 10¢**

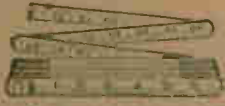
## Expansive Bits



A fine quality expansive bit made by C. E. Jennings & Co., Clark Park, complete with two cutters. Full polished. Hardly finished. Guaranteed. Shpg. wt. 1 lb.

**XP15116 Your Cost 95¢**  
**XP15117 1/2 to 3/4" \$1.05**  
 Your Cost

## 6 ft. Folding Rule



Made of beech wood, finished in white enamel. Metal bound. Length 6 ft. Shpg. wt. 6 oz.

**XP14975 Your Cost 15¢**

## Wood Chisel Set



Several sizes, hand ready to use. 1 1/2" blades. Leather tipped handle handles. Set of three blades. Size: 1 1/2, 1 3/4 and 2". Shpg. wt. 2 lbs.

**XP14982 Per Set of 3 89¢**  
 Your Cost

## Fine Quality Scratch Awls

These Awls have a hardened steel, needle pointed blade, passing through the entire length of the wooden handle and handle. Has nickel plated blade. Blade is 1 1/2" long and 6 1/2" overall. Shpg. wt. 1 lb.

**XP15068 Your Cost Each 15¢**

## Close-Cut Hack Saw



Whe where ordinary hack saw cannot be used. Frame contains a new old design wave set. 10 blades. Broken Hack Saw blades may also be used. Shpg. wt. 2 lbs.

**XP15093 Your Cost 59¢**  
**Extra Blades 30¢**  
**XP15094 Your Cost for Three**

## "Tom Thumb" Hack Saw Frame



For making in tight places. This frame cannot be pulled. Complete with blade. Shpg. wt. 1 lb.

**XP15136 Your Cost 20¢**

## ICA Soldering Iron Holder and Stand



Just the thing for the workman to use on service calls. Eliminates the need for waiting for the iron to cool. Just place the iron in this holder and place it just all the way up and place in holder. No heat of burning or scorching. None on the iron. Also acts as stand for it. The steel support hold flat against wall when not in use. All metal construction. Dressed with asbestos material. Saves time and money.

**Shpg. wt. 2 lbs.**  
**XP15231 Your Cost 73¢**

## Hand Drill

A quality hand drill every workman or mechanic needs. Constructed of high grade materials that resist rust, and last long. Drill easily. Drill iron, steel, zinc, brass, etc. to 1/2 in.

**Shpg. wt. 2 lbs.**  
**XP14747 Your Cost 39¢**

## Countersink



Has tapered steel blades set in ground wood handles. For stopping holes in panels of wood, metal, zinc, etc. A handy tool for the workman.

**XP14950 Your Cost 16¢**

## Crucible Steel Files

These files are made of best crucible steel and tempered. Same length listed.

<b>XP15036 Round Bastard Files</b>	Length 4 in.	6 in.	7 in.	10 in.
<b>Cost Each</b>	11c	12c	14c	17c
<b>Six For</b>	60c	65c	80c	\$1.19
<b>XP15038 Slim Taper Files</b>	Length 4 in.	6 in.	7 in.	10 in.
<b>Cost Each</b>	7c	8c	9c	11c
<b>Six For</b>	40c	45c	53c	60c
<b>XP15034 Flat Bastard Files</b>	Length 4 in.	6 in.	7 in.	10 in.
<b>Cost Each</b>	11c	12c	14c	17c
<b>Six For</b>	62c	90c	21c	\$1.20

## Offset Steel Scriber

This handy file is constructed of the best grade of tool steel and steel. Tapered to a fine point and ground points that will cut true for longer. Body of tool is made of easy grip. One end closed for easy work. 1/2" diameter.

**XP14952 Your Cost 19¢**

## Screw Drivers



Have fine steel blades set in insulated handles. Non-slip handles. Handles made of wood for better grip. The steel blades for set screws, small wood screws, etc. Adjustable to the workman's size. Three sizes.

**XP15234 5" Blade 7¢**  
**Your Cost Each**  
**XP15235 7" Blade 8¢**  
**Your Cost Each**  
**XP15236 4" Blade 9¢**  
**Your Cost Each**  
**Per Set of Three 21c**

## PACKARD Record Changer

An exceptional value in record changers. Simplified construction makes for extremely easy operation with that will give you many years and also makes possible an extremely low price for such high quality. Use a powerful dual speed motor that will play 78 and 45 P. M. records. Plays 16" records may be played automatically, stopping or repeating any record at will. Plays 10" records automatically. Last record automatically switches to turned on. Entire unit is built of heavy copper plated steel with all exposed parts finished in beautiful decorative bronze. Her important pick-ups of the most delicate type with automatic record adjustment. Very compact, only 17 1/2" long, 1 1/2" high and 1 1/2" wide, making it especially suitable for installation in 16" Owners of portable P. A. systems will find the extra space compartments of this unit makes it ideally suited for portable use. Can be built into a cabinet. For 110 volts A. C. or for plug-in operation on standard 110 and 120 volts outlets on request. Shpg. wt. 20 lb.

**XP19820 List \$45.00**  
**Your Cost \$26.45**

## Coping Saw Frame Adjustable Handle



Frame adjusted to meet blade in any direction. It is closed as it looks at any angle by turning handle. With one blade. Shpg. wt. 2 lbs.

**XP15091 Your Cost 33¢**  
**Steel Coping Saw Blades two per case the above; also standard frames. Shpg. wt. 2 lbs.**  
**XP15092 Your Cost per Dozen 15¢**  
**Steel plated steel with coping saw frame. Complete with blade. Shpg. wt. 2 lbs.**  
**XP15113 Your Cost 9¢**  
**Extra long blades for above. Shpg. wt. 2 lbs.**  
**XP15139 Your Cost per Dozen 9¢**

## Tap And Die Sets



A handy set for the mechanic or miller set. Includes 16 mm. in. in. containing three flat cutting M, S and W. 1/8, 1/4 and 3/8 in. to match. Also contains two wrench and die holder. Constructed of fine tool steel; will stand up under severe strain. U.S.S. or S.A.S. Ground. Blng. wt. 5 lbs.

**XP15229 S.A.S. Thread \$1.15**  
**XP15230 U.S.S. Thread**  
**Your Cost, Either Type**

## Pistol Grip Hack Saw Frame



Pistol Grip handle made of rubber. A very strong frame that is adjustable to various sizes blades. Complete with 1 blade. Shpg. wt. 2 1/2 lbs.

**XP15137 Your Cost 69¢**

## Hack Saw Blades

Made of Tom Thumb. Strictly functionality. Very flexible. Fast cutting and long lived. Fully guaranteed. Shpg. wt. 1 lb.

Size	Per Doz. Your Cost
1 1/2"	39c
1 3/4"	49c
2"	59c

## Hack Saws



Adjustable frame for 8 to 10" blades. Frame constructed of steel plate. Black hard wood handle. Complete with one blade. Shpg. wt. 2 lbs.

**XP14994 Your Cost 29¢**

## Pistol Grip



A real handy in our line. This is a new design. It is a 10" blade. It is built with one 10" blade. Shpg. wt. 2 lbs.

**XP14995 Your Cost 49¢**

# HARDWARE for EVERY PURPOSE



## Metal File Handle



Japanned. Will fit all sizes of files. Will take any type of tool with a shank less than 3/4". Set screw holds tools rigid. Shpg. wt. 1 lb. XP15042  
Your Cost Each ..... **10c**



## Wood File Handles

Polished hardwood, fitted with a brass ferrule. Shpg. wt. 1 lb. XP15043  
Your Cost Each ..... **5c**

## Caliper Rule



Measures inside and outside diameters up to 3 inches, calibrated in 1/16 and 1/32 part of an inch. Has knurled locknut. Shipping weight 8 oz. XP14891  
Your Cost ..... **10c**

## Holds, Starts, Sets any Size Screw



The most practical Screw Driver ever developed. Has gripper which automatically stays at any point on shank. May be used as screw gripping screw driver to drive screws in difficult places or as ordinary screw driver. Specially tempered blade, of tool steel, is of the slender type. Hard maple handle. Shpg. wt. 1 lb.

Stock No.	Blade Length	Your Cost
XP15114	1 7/8"	\$0.27
XP14721	4x3/4"	.35
XP14722	10x1/2"	.43

## Tool Steel Blade Long Maple Handle

## Circle Cutters



No. 1

Cut holes easily and quickly in metal, wood, bakelite, hard rubber, etc. Nos. 1 and 2 cut holes from 1 to 4" in diameter. No. 5 cuts holes from 1 to 5" in diameter. No. 1 cutter has an extra beading cutter attached. No. 5 cutter available with square or round shank. State type desired on order.



No. 5

XP14717—No. 1. XP14734—No. 5  
Your Cost, Either Type ..... **\$1.90**  
Shpg. wt. of Cutters 2 lbs.

XP14718—No. 2. **\$1.15**  
Your Cost, XP14716—Extra Blades ..... 24c  
Your Cost, Shpg. wt. of Blades 1 lb.

## Cold Chisel and Punch Set



1 1/2", 1 3/4" chisels, 3 punches. Shipping weight 2 lbs. XP15125  
**35c**

XP15179—1 3/4" chisel only. Shipping weight 2 lbs. Each ..... **10c**

## Block Plane



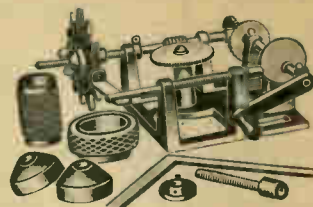
A 7" plane with a hardened and tempered steel blade 1 1/2" wide. Adjustable cutter. A handy tool around the shop for finishing radio baseboards, cabinets, etc. An excellent value. Shpg. wt. 3 lbs. XP14730  
List \$1.25  
Your Cost ..... **55c**

## Can't Rol Center Punch



Made of exceptionally tough, swaged Carbon Steel. Heads and points are polished and the grip is knurled. XP14959  
Your Cost Each ..... **10c**

## Universal Coil Winder



Will wind Honey Comb, Spiderweb, or Solenoid coils of various widths and diameters. Equal in appearance to factory made coils. Includes all accessories necessary for winding the various types. Has recorder and indicator that counts turns. Black enamel finish. Shpg. wt. 6 lbs. XP14725—List \$7.50  
Your Cost Each ..... **\$4.35**

## Screw Holding Screw Driver



For use in inaccessible places where the ordinary screw driver cannot be used effectively in inserting or extracting screws. Made of tempered tool steel. Some of its advantages are: It holds screw tight while using; prevents loss of screw; indispensable in assembling and is the only screw driver having the automatic release. Handle is insulated. Grippers are of blood spring steel. Shpg. wt. 2 lbs.

Stock No.	Blade Length	Your Cost
XP15061	8" long	\$0.69
XP15062	10" long	.89

## Quality Screw Drivers at BARGAIN PRICES!

### Service Screw Driver



A low priced and very popular Screw Driver, with polished blade and attractively finished red handle fastened with bead lock. Blade of forged steel. Shpg. wt. 1 lb. XP15056—Blade 3"  
XP15055—Blade 5"  
Either Type ..... **10c**

### Shockless Screw Driver



A popular priced insulated handle Screw Driver for electrical, household and automotive work. Handle and ferrule are moulded in one piece of Black and Red Composition. Blade is nickel plated and has straight side point. 6" long. Shpg. wt. 1 lb. XP15060—Your Cost ..... **12c**  
Per Dozen ..... \$1.20

### GOODELL-PRATT Radio Screw Driver



Long slender blade especially suitable for radio work. Small and so as to fit set screws in radio knobs. Hammer forged blade, nickel ferrule. Hardwood handle. 3" blade. Shpg. wt. 8 oz. XP14949  
Your Cost Each ..... **25c**

### Electrician's Screw Driver



Simply constructed, but strong and durable. This is an exceptionally good screw driver for the price quoted. Slender polished blade with forged point, hardened and tempered. Nickel plated ferrule; Electrician's style handle; length of blade 6". Shpg. wt. 1 lb. XP15059—Your Cost Each ..... **12c**  
Per Dozen ..... \$1.25

### 3 in 1 Screw Driver



Nesting type. Smallest nests in handle of next largest and the two together in the largest. Steel blades with brass handles. 4 1/2" long. Shpg. wt. 1 lb. XP15220—Your Cost ..... **10c**

### Insulated Screw Driver



Insulated shaft and handle. XP15225—4 1/2" ..... **16c**  
Each XP15226—6 1/4" ..... **24c**  
Each XP15227—8 1/2" ..... **28c**  
Each XP15228—Set of 3 ..... **60c**  
Your Cost

### Ratchet Screw Driver



Tool steel blade. Nickel plated ferrule, hardwood handle. Has 3 position ratchet adjustment that allows operation to right or left or holds blade rigid. Shpg. wt. 1 lb.

Stock No.	Blade Length	Your Cost
XP14969	3"	19c
XP14950	4"	21c
XP14970	5"	23c

### Pocket Ratchet Screw Driver



A handy pocket size ratchet screw driver with clip. Insulated case in handle. 6" long. Shpg. wt. 1 lb. XP15233  
Your Cost ..... **25c**

### GOODELL-PRATT Right Angle Ratchet Screw Driver



Enclosed ratchet mechanism. Removable bit 1 1/2" wide. 1 1/2" long. Tool is 4" long. Shpg. wt. 1 lb. XP15232—  
Your Cost ..... **75c**

## Rivet-O-Punch



Punches holes—fastens rivets in leather, fibre, paper or canvas. Can be used to make soldering lugs, etc. Complete with box of brass eyelets. Shpg. wt. 1 lb. XP15046—List \$2.00  
Your Cost ..... **59c**

## Platinum Point File



This is a special fine cut file designed for spark plugs or coils. Shpg. wt. 1 lb. XP15073  
Your Cost Each ..... **9c**

## Steel Letter and Figure Set



Marks metal, leather, wood, etc. Very handy for marking your tools. Complete alphabet and numerals 0 to 9. Shpg. wt. 7 lbs. XP14977  
Your Cost ..... **\$1.49**

To Speed Handling of YOUR Order -- Use Our Order Blank

# TOOLS and HARDWARE for

## Open End Wrench Set



Five open end set of open end wrenches with the following openings:

and 1". Bright cadmium plated with reaching screw and large knurled head to hold wrench together.

Shpg. wt. 2 lbs. **35¢**  
**XP15144 Your Cost.**

## Offset Box End Wrenches

Box end wrenches that will not slip off the nut or bolt head when using.



Set wrenches with the following features: hexagonal beveled openings.

and 1". Bright cadmium plated with stud and wing nut to hold wrench. Shpg. wt. 4 lbs. **65¢**  
**XP15145 Your Cost.**

## Open End Wrench Set



Every mechanic or amateur will want a set of wrenches that will stand a great deal of use and abuse with out breaking or bending.

Set of six open end wrenches with the following openings:

Bright cadmium plated. Red anodized holder. In metal case. An excellent value. Shpg. wt. 3 lbs. **75¢**  
**XP15143 Your Cost.**

## Socket Wrench Set



Set of cadmium plated steel. Contains one each of the following sockets:

Complete with wrench, and metal container. Shpg. wt. 2 1/2 lbs. **39¢**  
**XP15080 Your Cost.**

## Ratchet Brace and Bit Outfit



Steel brace fully nickel plated with wood knob and handle, finished in mahogany. Has 10" long, round knurled alligator chuck with ratchet. Equipped with ring ratchet adjustment. Complete set of 6 James Swan auger bits in convenient wooden carrying case. First quality steel bits in the following sizes:

and 1". Bright brass with olive set of bits. Shpg. wt. 6 lbs. **\$2.95**  
**XP14735 Your Cost**  
 Ratchet brace only. Shpg. wt. 4 lbs. **\$1.25**  
**XP14736 Your Cost**

## JAMES SWAN Auger Bits



Of high quality steel. Bore fast and clean without lifting. Double cutting deep spur. Six lines to cut. Sizes:

and 1". Wood knob. Shpg. wt. 4 lbs. **XP14737 Your Cost \$1.79**

## Wrench Set



Here's a handy little item for your tool kit. 10 1/2" - 1 1/2" lock wrench set that will take all medium size nuts in general use. Either square or hex. Wrench wrench is not in case they are locked in a compact bundle by the handy clip. Shpg. wt. 1 lb. **35¢**  
**XP14732 Last 70c Your Cost**

## End Wrench Set



A handy pocket set for repairmen, auto and radio mechanics, electricians, etc. Ideal for adjusting nuts in small cases. Set consists of a double end wrench and a genuine leather case. Sizes: 1/2", 3/4", and 1 1/4". Shpg. wt. 8 oz. **15¢**  
**XP15081 Your Cost.**

## Economy Brace



Although this item is inexpensive, it is made to withstand hard work over a long period of time. A worth while addition to any tool kit you may now be using. This is an exceptional value in a well made item. Round knurled alligator chuck, with heavy spring. Wooden knob and handle, finished in mahogany. All steel parts fully polished. Has 10" length. Shpg. wt. 3 lbs. **45¢**  
**XP14739 List \$1.00 Your Cost.**

## G. M. Co. Hand Drills



Finely machined hand drills with 3/8" diameter chuck jaws. Accurately machined gears. Polished hollow handle for strong drilling. A much needed tool in the radio work shop. Shpg. wt. 2 lbs. **79¢**  
**XP14723 - With side knob. 69¢**

List \$2.00 **Your Cost**  
**XP14724 With side knob. List \$1.50 Your Cost**

## Trustest Wrench Set and Screw Driver



A combination screw driver and wrench set. Consists of a screw driver with a 3" straight bit and a 3" E-shaped bit. A carrying case and the following sockets:

and 1 1/2". Small and internal hexagonal sockets to fit any 1/2", 3/4", or round nut. Shpg. wt. **95¢**  
**XP15159 Your Cost.**

## Angle Wrenches



A genuine angle wrenches of high quality drop forged steel. Full sized carbon steel. Shpg. wt. 2 lbs. **38¢**  
**XP15141 Your Cost**  
**XP15142 Your Cost 54¢**

## Radio Reamer



The handiest tool for enlarging holes in radio chassis, wood, light metal, etc. Length of handle 4". Will ream holes from 1/8" to 3/4". Shpg. wt. 8 oz. **17¢**  
**XP15065 Your Cost Each.**

## "Stix-on" Wrench



A patented wrench that fits all nuts from 1/2" to 1 1/2". Jaw springs open to take nut, pressure on handle produces the like grip. Tempered steel construction. Shpg. wt. 1 lb.

**XP14936 Your Cost 15¢**

## Tap Wrench



Highest quality carbon tool steel, oil tempered. The hardened, perfectly fitted jaws will take up to 1/2" tap. Meet properly; open freely. Shpg. wt. 2 lbs. **25¢**  
**XP14714 Your Cost.**

## Carbon Twist Drills



ASSORTMENT 9 Drills sizes 1/16" to 1/2". Good steel; fast cutting. Carefully ground and will hold their edge. In metal box. Handy for the serviceman's tool kit. Shpg. wt. 2 lbs. **35¢**  
**XX14709 Your Cost**

Same assortment paper wrapped. **32¢**  
**XP14710 Your Cost.**

## RADIO SOCKET WRENCHES

### All Steel Set



This set will stand the hardest usage. The interchangeable sockets are 1/2", 3/4", 1", and 1 1/4" sizes. Screw driver 1 1/2". Cadmium plated. Knurled handle. Sockets easy to remove, yet will not loosen while working. Shpg. wt. 1 lb. **43¢**  
**XP14749 Your Cost**

### Goodell-Pratt



Set consists of handle with polished steel parts and mahogany finished grip, 3 hex. sockets, sizes 1/2", 3/4", and 1"; and a four jaw socket for handling knurled nuts. Metal parts of case hardened steel. Sockets slip on easily and are held firm by means of an improved latch. Shpg. wt. 1 lb. **74¢**  
**XP15049 Your Cost Per Set**

## INDESTRO Socket Wrench Set

Heavily made wrench set neatly finished in bright chrome-plating with black wood handle. Complete with five hexagon sockets, one round nut socket and screw driver socket. Shpg. wt. 1 lb. **55¢**  
**XP15111 Your Cost**

## SPIN TYPE Socket Wrenches. Straight and Offset Types



Ribbed wooden handle and cadmium plated shank. Hex. plate in end of socket and will take a long screw up to No. 10. Two sizes in straight type - 6" and 9". Shpg. wt. 1 lb.

**6" Straight**  
**9" Straight**

**6" Straight**  
**9" Straight**

**XP15203** For 1/2" hex. nut  
**XP15051** For 3/4" hex. nut  
**XP15052** For 1" hex. nut  
**XP15053** For 1 1/4" hex. nut  
**XP15054** For 1 1/2" hex. nut  
**XP15204** For 2" hex. nut  
**Your Cost, Any Size**  
**XP15205** For set of 6. . . . . **65c**

**XP15209** For 1/2" hex. nut  
**XP15107** For 3/4" hex. nut  
**XP15109** For 1" hex. nut  
**XP15108** For 1 1/4" hex. nut  
**XP15110** For 1 1/2" hex. nut  
**XP15210** For 2" hex. nut  
**Your Cost, Any Size**  
**XP15211** For set of 6. . . . . **85c**

**7" Offset Type**  
**XP15206** For 1/2" hex. nut  
**XP15207** For 3/4" hex. nut  
**XP15208** For 1" hex. nut  
**Your Cost, Any Size**  
**16¢**

**XP15212** For 1 1/4" hex. nut  
**XP15213** For 1 1/2" hex. nut  
**XP15214** For 2" hex. nut  
**XP15215** For 2 1/2" hex. nut  
**Set of 6. . . . . 85¢**

# MECHANICS and SERVICEMEN



## Crescent Bent Nose Pliers

For hard-to-get-at places. Drop forged steel heavily nickel plated. Handle is knurled for steady gripping. Shpg. wt. 3 lbs. **XP15131—Your Cost..... 75<sup>c</sup>**



## Lineman's Pliers

A sturdy heavy tool. Sharp cutters with strong handles. 6 1/2" long. Shpg. wt. 3 lbs. **XP15128—Your Cost..... 35<sup>c</sup>**

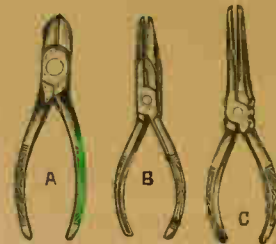


## Nickel Thin Nose Pliers

A special nickel plier with long nose. 6 1/2" long. Shpg. wt. 3 lbs. **XP15129—Your Cost..... 29<sup>c</sup>**



## Genuine KRAEUTER Pliers



You owe it to yourself to own at least two good pairs of pliers. Krauter pliers have been acknowledged for years as being the finest pliers made. The quality will be remembered long after the price has been forgotten. Shpg. wt. each 1 lb.

### Diagonal Cutting

A—Cutting jaws of this plier come together perfectly. "They cut the insulation as well as the wire." Length 5 1/4". **XP14944—Your Cost. \$1.20**

### Long Nose

B—A truly fine tool with a side cutting blade that is sharp, and will stay so. Gets into the places that are hard to get at. Length 6". **XP14945—6" long. \$1.05 Your Cost**

### Needle Nose Pliers

C—Furnished with an extra long finely tempered nose, for reaching into difficult places. Length, 6". **XP15076—Your Cost. \$1.20**

## Diagonal Cutting Pliers



A very popular plier with all servicemen. Sharp cutters. 5 3/4" long. Shpg. wt. 3 lbs. **XP15127—Your Cost..... 35<sup>c</sup>**

## Nickel Radio Pliers



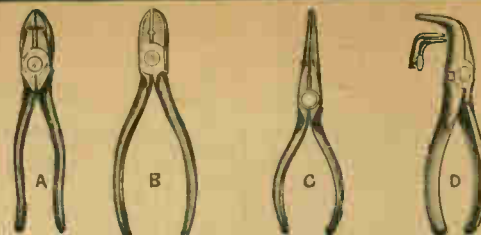
A handy all-around plier, neatly made. Shpg. wt. 3 lbs. 6" long. **XP15132—Your Cost..... 33<sup>c</sup>**

## Tinner's Snips



Finest grade drop-forged shears. 10" long with polished blades and red enameled handles. Shpg. wt. 2 lbs. **XP15118—54<sup>c</sup> Your Cost**

## KLEIN'S Pliers—the finest made



**A—Side Cutting Plier.** A sturdy lineman's plier for use on bare or insulated wire. Has rounded nose for use in tight quarters. Sharp perfectly fitted cutting knives. Full clearance back of knife permits use on insulated wire. Shpg. wt. 3 lbs. **XP15222—6" long. \$2.25 Your Cost**

**B—Oblique Cutting Pliers with Wire Stripping Notch.** Cutting pliers with the addition of a notch in the knives for use in stripping insulation. Lap joint. Narrow head. 6" long. Shpg. wt. 3 lbs. **XP15223—\$2.30 Your Cost**

**C—Long Nose Side Cutting Plier.** A real long nose plier that will stand the abuse you give it without complaint. Hardened and tempered to insure positive grip at the tip. Sharp carefully fitted cutting knives. Shpg. wt. 3 lbs. **XP15221—6" long. \$2.10 Your Cost**

**D—Long Curved Nose Plier.** A handy plier for working in close quarters around radio chassis, etc. Jaws will not lose their shape. 6" long. Shpg. wt. 2 lbs. **XP15224—\$2.25 Your Cost**

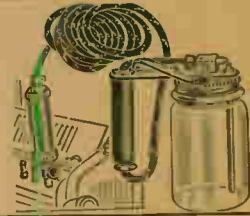
## "LAMCO" Work Bench Strongly Built for Garage, Shop or Home Use



An excellent bench for use by the radio serviceman. It is sturdily made and will not wobble. At this low price it does not pay to try to build your own bench. Sub-structure made of 1 1/2" x 1/2" Angle-Iron securely are welded for rigidity. Stringers are inverted to allow for nesting in of lower shelf. Fastener plates at corners for additional firmness. Slotted foot rest for anchoring to floor. Top made of 2" kiln-dried Douglas Fir, vertical grain. Size 24x60" top; 31" high. Delivered knocked down. Shpg. wt. 80 lbs. **XP14942—\$10.75 Your Cost Each**

## Power Sprayer

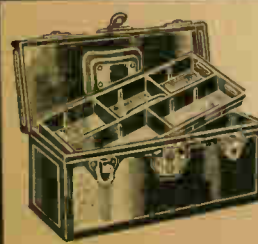
Made to operate from the spark plug of any automobile. It will spray lacquer, paint, varnish, shellac insecticide, in fact any other finely mixed freely flowing mixture or fluid. Is furnished complete with sprayer, pint jar container, spark plug air check valve, compression tank, a set of adapters for all sizes of sparkplugs, and 12 feet air hose. Shpg. wt. 11 lbs. **XP14704—List \$7.50 \$3.25 Your Cost Complete**



## Handy Sprayer



Air pressure supplied by any automobile tire. Complete with glass jar, 6 ft. of hose, and adjustable spray tip. Will spray approximately four jars from one tire containing 35 lbs. pressure. Shpg. wt. 5 lbs. **XP14705—Your Cost. 69<sup>c</sup>**



## Utilco

### Steel Tool Boxes The "Utility"

A mechanic's tool box, fishing tackle box, valuable paper box, for household tools and a dozen other purposes. Has loose tray with movable partitions. Heavy steel, beautifully finished in olive green. Matched hardware. Size 14x6 1/2 x 6". Shpg. wt. 6 lbs. **XP14870—Your Cost..... 79<sup>c</sup>**

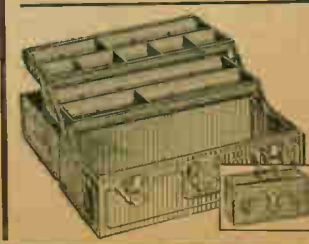
## The "Master"

Can be used as—Tool Box; Tackle Box or as a Cash and Bond Box. Special cantilever tray has rounded bottom and can be released from mechanism and be lifted out by hand or can be removed entirely and used separately. Size 13 1/2 x 4 1/2 x 6 1/4". Olive green finish. Shpg. wt. 3 lbs. **XP15154—59<sup>c</sup> Your Cost**



## The "Craftsman"

Has cantilever tray that pulls into position when box is opened—all contents handy to get at. Made of heavy gauge, cold rolled steel with electric welded flush seams. Finished in especially hard baked enamel, olive green in color. Has permanent embossed rule on cover. Movable tray partitions. Matched hardware with lock and key. Size 14x6 1/2 x 6". Shpg. wt. 7 lbs. **XP14871—Your Cost Each 89<sup>c</sup>**



## The "De Luxe"

TWO DOUBLE Trays with cantilever action. Particularly suited for use as tackle box or any outdoor use, it is carefully waterproofed. Embossed rule on cover to measure fish, etc. Removable tray partitions. Sturdy catches and lock with key. Size 13 1/2 x 6 1/4 x 6 1/4". Green finish. Shpg. wt. 4 lbs. **XP15153—\$1.15 Your Cost**

# AUTO RADIO

## MALLORY-ELKON Auto "B" Eliminators and Replacement Vibrators



Developed without unnecessary "B" power for all car sets. No rotary parts; no tubes used. Easily installed. Guaranteed. Size 1 1/2" x 2 1/2" x 1 1/2". Ship. wt. 1 1/2 lbs.  
**XN14223 List \$19.95 \$11.73**  
 Your Cost.....

### NOTE

When ordering eliminators for sets other than those listed, give make, model number, and type of tube and "B" voltage used.

### Approved for These Auto-Radio Sets

Make and Model No.	Approved Mallory-Elkon Eliminator	Make and Model No.	Approved Mallory-Elkon Eliminator
American Kent, 81	Type 211-CD	Majestic, 114	Type 211 C
American Kent, 91	210-CA	Motometer	212 C
Bench, 80	214	Motorola, 6-Tube	210
Bench, 84	214	Motorola, 7 T 33	210
Bench, 9:20	211 PC	Motorola, 2 T 4A	210
California, 7-Tube	211 C	Motorola, 2 T 71	211-M
Colonial, 54	213	Motorola, 3-Tube	211-M
Colonial, 53	211	Ohio, 6-Tube	210
Crosley, Roamin, 95 (38 Output Tube)	212 C	Philco, 3	213*
Crosley Roamin, 95 (41 Output Tube)	211 C	Philco, 6	211 C
Crosley Roamin, 96	211 C	Philco, 7 (41 Output Tube)	211 P
Crosley Roamin, 96	211 C	Philco, 7 (35 Output Tube)	212 P
Crosley Roamin, 92	211	Philco, 8	210 C
Crosley Roamin, 91	213*	RCA Victor, M 32	211 C
Emerson "Compact" 26A	214	Republic "Auradone"	210
Fox, 251	212 PC	Spartan, AR 19	212 PC
Gulhaugen, 6-Tube	211 C	Spartan, 34	210 ST
Gulhaugen, 7-Tube	211 C	Spartan, 49	213 S
International "Kalede"	214 C	Universal, 27	211
International "Kalede"	211	Universal, 39	211
International "Kalede"	211	Universal, 42	211
Majestic, 114	211	Wells-Gooder, 6-Tube	211 C
		Wells-Gooder, 7-Tube	211 C

Requires Mallory "A" choke. **\$2.06**  
 Mallory Replacement Eliminators, types 11, 12, 13, 14. **\$4.12**  
 Your Cost Each, Any Type



Mallory-Elkon Vibrators, due to their scientific design and careful assembly, have become the popular units in the auto radio field. They are used extensively by a great number of radio manufacturers in producing the finest auto radios in the market today. Each unit is guaranteed against defects under the I. M. A. standard warranty. In the listing below, a number of the most popular vibrators are shown. All are exact duplicates, and fit the chassis exactly with out any change.



Name and Model	Stock No.	Your Cost	Name and Model	Stock No.	Your Cost
Airlite Model 62	XN14533	\$2.94	Colonial Model 150	XN14549	\$3.23
Airlite Model 114	XN14534	2.65	General Electric Model B40*	XP14600	3.23
Audion Model 150, S7	XN14535	3.23	Model B41*	XP14601	3.23
Belmont 1932 Models	XN14536	3.23	Model B52*	XP14602	3.23
Bench Model 150 (1st Ed.)	XN14537	4.41	Model 130	XP14604	2.94
Bench Model 150 (2nd Ed.)	XN14538	3.23	Motorola Model 66	XP14605	2.94
Bench Model 150 (3rd Ed.)	XN14539	3.23	Model 88	XP14606	3.23
Bench Model 150 (4th Ed.)	XN14540	3.23	Model 61	XP14607	3.23
Bench Model 150	XN14541	3.23	Model 77	XP14608	4.41
Bench Model 145	XN14542	3.23	Model 77A	XP14609	3.23
Bench Model 179	XN14543	2.65	Model 55	XP14610	4.41
California Model 1072 (Std Ser.)	XN14544	2.94	Model 35A	XP14611	4.41
California Model 972 (Std Ser.)	XN14545	4.41	Model 44	XP14612	4.41
California Model 65W (Standard)	XN14546	4.41	Model 44A	XP14613	3.23
California Model 100W (Standard)	XN14547	4.41	Model S-6	XP14614	3.23
California Model 1502 (Standard)	XN14548	2.65	All 1934	XP14615	2.65

Requires special cup adapter. **XP14617 - Your Cost \$29.00**

### UTAH "B" Eliminator For Majestic 66



As exact duplicate replacement eliminator for the Majestic model 66 (W. 514). Contains transformer, vibrator, filter condenser and rectifier tube. Uses the best type 84 rectifier tube. Detailed instructions about possible modification of stock in wiring. In heavy metal enclosure, with parts mounted in "radiation proof" design. Ship. wt. 3 lbs.  
**XN14232 \$5.25**  
 Your Cost

### Vibrator Transformer

Combination power transformer and vibrator in one unit. Large magnet assembly. Of full wave type (see notes). Mounted in steel can with mounting tabs. Two pins; each deliver 250 volts at 50 M.A. Ship. wt. 1 1/2 lbs.  
**XN14235 \$4.75**  
**XN14236 \$5.75**  
 Your Cost



### GEN-E-MOTOR Replacement Motors



Adapted to practically any auto radio set using a vibrator or vibrator type power supply. Mounted in minimum spaced case 2 1/2" x 1 1/2" x 1 1/2".  
**XN14201 - Delivers 25 Volts at 50 M. A. from 6-volt source. Draw 3.5 amps.**  
**XN14210 - Delivers 250 volts at 50 M. A. from 6-volt source. Battery drain 4.5 amps.**  
 Your Cost, **\$7.64**  
 Either Type.....

Motor for 32-Volt Power Supply **\$9.70**  
 Your Cost, Each

### GEN-E-MOTOR Auto "B" Eliminators

Combined motor and generator operating from a 6-volt storage battery. Can mount in exceptionally small space. Will carry up to 25% overload. Is 6-volt. Employs latest type ball-bearing motor. Ship. wt. 17 lbs.

Stock No.	Volts	M. A.	Input	Output	Your Cost
XN14209	20	30	90	1.94	\$10.78
XN14210	200	40	None	2.75	10.58
XN14228	225	50	None	3.8	
XN14229	250	50	None	4.2	
For Police Cars					
XN14245	165	30	67	1.1	14.70
For Sound Truck Equipment					
XN14211	50	100	None	2.75	19.98
For 32 Volt Lighting Plants					
XN14213	195	..	67 1/2	..	13.52
XN14212	180	..	22 1/2	..	14.70



Taps can be provided to meet your specifications. Additional taps, **Your Cost Each Tap 30c**

### General Multi-Tap Auto "B" Power Supply

This Multi-Tap "B" power supply unit provides an efficient and constant B power output voltage from a 6-volt storage battery. The internal design is completely shielded to insure an output lower for smaller loads. Taps are provided at 155, 180 and 250 volts, as shown in illustration. Unit utilizes a type 84 rectifier to supply the necessary voltage. The vibrator is self-contained, housed in a low resistance non-magnetic metal case. Points are shielded leading long life. Other features include: Electrically shielded transformer, both inside and out; high quality A and B tubes, electrolytic and by-pass condensers and voltage regulating resistors. Provided with relay which controls "B" unit from the set. All parts and wiring mounted directly on the chassis which is housed in a strong steel enclosure plated cabinet measuring 6 1/2" x 6 1/2" x 2 1/2". Ship. wt. 1 1/2 lbs.



**XN14252 - Multi-Tap Tube Rectifier Unit, complete with Type 84 rectifier tube. List \$15.00**  
 Your Cost Each **\$8.82**

### GENERAL Vibrator Units



Identical to those used in the above described units. Average ship. wt. 4 lbs.  
**Vibrators for Tube Rectifiers**  
**XN14254 - With leads \$2.35**  
**XN14255 - With plug-in base \$2.94**  
 Your Cost, Either Type  
**Synchronous Vibrators (Tubeless)**  
**XN14256 - With leads \$2.94**  
**XN14257 - With plug-in base \$2.94**  
 Your Cost, Either Type

# ACCESSORIES

## Trutest Automatic Battery Charge Rate Regulator

This device automatically picks up the additional drain on the storage battery and generator caused by radios or electrical appliances. The Trutest Regulator advances the charging rate of the generator by approximately 5 amperes when the set or appliance is turned on, but automatically returns generator to the original charging rate when the equipment is not operating. Thus, generator and battery are saved from being overtaxed. Easily installed, without the need for any tools. Full instructions included. Shpg. wt. 2 lbs.

**XN14258**—Trutest Automatic Charge Rate Regulator.  
Your Cost.....



**\$2.25**

## New! SHERWOOD Master Filter

Eliminates Individual Suppressors

This filter is designed to replace all resistors, suppressors or filters as used in connection with auto radio installations. The Sherwood Master Filter is placed in the distributor head only, thus eliminating the necessity for using any type of suppression on the spark plugs. Consists of eight individual coils wound into a master coil, having an A.C. resistance of 420 ohms at 3400 R.P.M. motor speed. Its distributing capacity is held to a point of .00057, this being so low as to give complete suppression of motor noises, but resonating the circuit accurately at one given frequency which is held outside the broadcast band. Constructed with solid bakelite housing that will resist heat of 400° and is moisture proof. Will stand up under continuous excessive vibration. Stands up under 30,000-volt breakdown test. Shpg. wt. 8 oz.

**XN14135**—Sherwood Master Filter.  
Your Cost.....



**\$1.55**

## PHILCO Replacement Vibrator



Used in the Transitone models—6F, 9F, 5T, 10. Contained in a sponge rubber padded cylinder so that there is absolutely no noise pick-up. Vibrator is of the full wave type with points of pure silver. Unit is of the plug-in type, with standard four-prong base. Shpg. wt. 2 lbs.

**XN14274**—  
Your Cost Each... **\$2.79**

## RCA Vibrator for M-34 Auto Set

The genuine RCA Part No. 7604 used in the popular M-34 auto set. Of the full-wave type. Has large copper contact arma with points of pure silver. The unit is mounted in a floating rubber base and is double shielded. It will pay you to keep one on hand for immediate service.

**XC2596**—  
Your Cost..... **\$3.00**



## Auto Radio Locks



Prevent the theft of auto sets. These units fit over one chassis mounting bolt, and prevent its removal until lock is opened by key. Yale locks are mounted in cast-steel casing. Black lacquer finish. Two keys provided. Fool proof. Instructions for mounting included. Shpg. wt. 2 lbs.

**XN14136**—  
Your Cost Each..... **89¢**

Similar to the above, but of one-piece bar steel. Black lacquer finish. Shpg. wt. 2 lbs.

**XN14137**—  
Your Cost Each..... **\$1.05**

**NOTE**  
A complete line of automobile antennas of all types, at lowest prices, will be found listed on page 23.

## BARGAIN Remote Control Cables

These cables, manufactured by the S. S. White Co., are the finest obtainable. Used by many well known set manufacturers as standard equipment on their auto sets. Ends cannot unravel. Both ends terminate in brass couplings  $\frac{1}{4}$ " in diameter. Six sizes available. Shpg. wt. 3 lbs.



Stock No.	Lgth. Ins.	Your Cost	Stock No.	Lgth. Ins.	Your Cost
<b>XN14194</b>	14	\$0.25	<b>XN14197</b>	38	\$0.69
<b>XN14195</b>	20	.35	<b>XN14198</b>	47	.85
<b>XN14196</b>	29	.45	<b>XN14199</b>	72	.98

## Wire Wound Ignition Suppressors



The ideal suppressors for auto radio installations. They offer a high resistance to noise frequencies, yet permit ample flow of current for ignition purposes because of their low D.C. resistance (500 ohms). Will not cut down the speed of any car. Housed in non-hygroscopic bakelite casings; no leakage losses. Two types available; for spark plug and for the distributor. Shpg. wt. 8 oz.

**XE5296**—Spark Plug Type.  
**XE5297**—Distributor Type.  
Your Cost Each, Either Type..... **29¢**

## LYNCH Auto Noise Filter

Designed to do the same job for the auto radio that the line filter does for the home radio. For use in cars having one side of the battery and one side of the receiver grounded. Shpg. wt. 2 lbs.

**XE5255**—  
Each..... **\$1.47**



## Generator Silencer

Both the generator commutator and cut-out are sources of noise. This noise can be eliminated by using our generator silencer.

**XP14215**—5 mfd. Your Cost Each..... **22¢**  
**XP14216**—1 mfd. Your Cost Each..... **28¢**



## Distributor Silencer

A new and improved type which eliminates high frequency kick-backs and noise pick-up from the ignition coil. Has choke unit mounted inside the metal case, thus eliminating possibility of shorts to car frame. Shpg. wt. 3 lbs.



**XP14217**—  
Your Cost..... **75¢**

## Ammeter Condenser and Dome Light Filter

For eliminating noise originating in the wiring running to ammeter, dome light, horn, etc. Dome light eliminator contains choke and condenser. Ammeter condenser has no reactor.

**XN14218**—Ammeter Condenser. Your Cost..... **22¢**  
**XN14208**—Dome Light Filter. Your Cost..... **45¢**



## AMPERITE for Autos

In the event that battery connections on an auto become loose or corroded (which very often happens), the generator is capable of delivering up to 35 volts to anything connected across its terminals. This voltage remains high, and is liable to damage a radio set. An Amperite prevents this trouble. Shpg. wt. 2 lbs.



**XN14214**—  
Your Cost..... **\$1.25**

## Special Compact Suppressor Kits

These "Trutest" kits employ a new and simplified type of suppressor that will make the work of the auto radio installer much easier. These suppressors will fit any make car without the necessity for cutting any wires. Just unscrew spark plug cap, screw suppressor in its place and clip connecting wire to terminal provided on top of unit. Kits contain one spark plug suppressor for each cylinder and one distributor suppressor.

**XE5280**—Four Cylinders. Your Cost..... **72¢**  
**XE5281**—Six Cylinders. Your Cost..... **88¢**  
**XE5282**—Eight Cylinders. Your Cost..... **\$1.18**  
**XE5284**—Special Set of 8 Suppressors for Ford V8. Your Cost..... **\$1.25**

**XE5278**—Single Spark Plug Suppressor. Your Cost Each..... **14¢**  
**XE5279**—Single Distributor Suppressor. Your Cost Each..... **14¢**  
**XE5253**—Special Compact Type for Buick Cars. Your Cost Each..... **16¢**



## Trutest "Airplane Dial" Remote Control

Built of pressed steel, rust-proofed and finished in black lacquer. Dial, illuminated by a pilot bulb, has sweep hand indicator of the popular airplane type. Key is part of volume control knob. Entire unit clamps on steering column. Size: 3 1/2" high, 2 1/2" wide, 1 1/2" thick. Can be used as a replacement control in many standard sets. Shpg. wt. 3 lbs.

**XN14241**—Remote control with knobs and pilot light; less cables, couplers and clamps. Your Cost..... **\$2.25**  
**XN14243**—18" Cables—Your Cost, Per Pair..... **\$0.95**  
**XN14246**—21" Cables—Your Cost, Per Pair..... **1.08**  
**XN14247**—30" Cables—Your Cost, Per Pair..... **1.25**  
**XN14242**—Connecting Couplers—Your Cost, Per Pair..... **.10**  
**XN14244**—Cable Clamps—Your Cost, Per Pair..... **.10**



# These PRICES tell their OWN story!

## Jack Plane



Has adjustable cutter. Smooth bottom, double steel frame. Handle and knob selected polished hardwood. Brass lining polished. Cutting blade 2" wide. Length of plane 14". Must stand up under hard usage. Ship. wt. 2 lbs.

**XP15119 Your Cost \$1.55**

## Pocket Level



Convenient instrument. Non-ferrous. Nickel plated. Length 2 1/2". Ship. wt. 8 gm.

**XP14981 Your Cost 10¢**

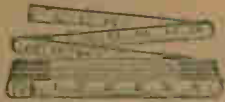
## Expansive Bits



A fine quality expansive bit made by C. E. Jennings & Co., Clark Field, Conn., complete with two cutters. Full polished. High finished. Guaranteed. Ship. wt. 1 lb.

**XP15116 Your Cost 95¢**  
**XP15117 Your Cost \$1.05**

## 6 ft. Folding Rule



Made of hardwood, finished in white enamel. Metal bound. Length 6 ft. Ship. wt. 8 oz.

**XP14975 Your Cost 15¢**

## ICA Soldering Iron Holder and Stand



Just the thing for the experimenter to use on service work. Eliminates the need for soldering for the iron to cool. Just place the iron in this holder. Tip and board heat all the way to end place in tool box. No fear of burning or scratching items used in. Also can be used for iron. The steel supports will that support when not in use. All metal construction, lined with asbestos material. Save time and money.

Ship. wt. 3 lbs.

**XP15231 Your Cost 73¢**

## Hand Drill

A quality tool that every experimenter or mechanic needs. Constructed of high grade materials that insure long-lasting service. Good fit to drill without slipping. Drilling from 1/8" to 1/2". Ship. wt. 2 lbs.



**XP14717 Your Cost 39¢**

## Countersink



Have tempered steel blades set in ground steel handle. For countersinking in wood or metal. Available in three sizes. A handy tool for the experimenter.

**XP14950 Your Cost 16¢**

## Crucible Steel Files

These files are made of best crucible steel and tempered. Save length ground.

**XP15036 Round Bastard Files**  
 Length 1 1/2". 6 in. 10 in. 12 in.  
 Cost Each 11c 12c 14c 17c  
 Six For 60c 65c 80c \$1.19

**XP15038 Slim Taper Files**  
 Length 1 1/2". 6 in. 10 in. 12 in.  
 Cost Each 7c 8c 9c  
 Six For 40c 45c 53c

**XP15034 Flat Bastard Files**  
 Length 1 1/2". 6 in. 10 in. 12 in.  
 Cost Each 11c 16c 23c  
 Six For 62c 90c \$1.20

## Offset Steel Scriber

This handy item is constructed of the finest grade of tempered steel. Taper to a finely ground round point that will cut down its round hole. Hole is 1/16" diameter for any pin. One end offset for use with 1/8" diameter.

**XP14952 Your Cost 19¢**

## Screw Drivers



Have fine steel blades set in tempered steel handles. Non-ferrous handles. Handles finely fluted to insure good grip. Three 1/2" blades for set screws, small wood screws, etc. Adjustable to the screwman's size. These sizes available.

**XP15234 2" Blade 7¢**  
**Your Cost Each** .....

**XP15235 3" Blade 8¢**  
**Your Cost Each** .....

**XP15236 4" Blade 9¢**  
**Your Cost Each** .....

**Per Set of Three 21c**

## PACKARD Record Changer

An exceptional value in record changers. Simplified construction makes for ready connection with that will give you the best service for many years and also makes possible an extremely low price for each individual. Use a powerful cast speed motor that will play 100 records in 15 to 18 minutes. Eight 10" records may be played automatically, starting or repeating any record at will. Four 12" records may be played. Last record repeated until switch is turned off. Entire unit is built of heavy copper plated steel with all essential parts finished in a beautiful stainless bronze. High precision slip rings of the new flat type with automatic contact adjustment. Very compact, only 17 1/2" long, 6 1/2" high and 1 1/2" wide, making it especially suitable for a small cabinet. Owners of portable A. C. systems will find the extreme compactness of this unit makes it ideally suited for portable use. Can be hung into a suitcase. For 110 volts A. C. start plug-in impedance or solid eye and voltage is quoted on request. Ship. wt. 30 lbs.

**XY19820 \$45.00**  
**Your Cost \$26.45**



## Wood Chisel Set



Beweled edges, hand ready to use. 3 1/2" blades. Leathery tipped heavy handles. Set of three blades. Sizes 1 1/2", 2" and 2 1/2". Ship. wt. 2 lbs.

**XP14982 Per Set of 3 89¢**  
**Your Cost**

## Fine Quality Scratch Awls

These Awls have a hardened steel, needle pointed blade, passing through the entire length of the selected hardwood handle. Has included ferrule. Blade is 1 1/2" long and 1/8" overall. Ship. wt. 1 lb.

**XP15068 Your Cost Each 15¢**

## Close-Cut Hack Saw



For where ordinary hack saws cannot be used. Frame contains a special design, 10" blade. By using Hack Saw Blades may also be used. Ship. wt. 2 lbs.

**XP15093 Your Cost 59¢**  
**Extra Blades for above 30¢**  
**XP15094 Your Cost for Three**

## "Tom Thumb" Hack Saw Frame



For using in "tight" places. This frame cannot be crushed. Complete with blade. Ship. wt. 2 lbs.

**XP15136 Your Cost 20¢**

## Coping Saw Frame Adjustable Handle



Fully adjusted to four blades in a sliding mechanism. Tightened and locked at any angle by turning handle. With one blade. Ship. wt. 1 lb.

**XP15091 Your Cost 33¢**  
**Steel Coping Saw Blades two per set in a slide; one standard frame. Ship. wt. 2 lbs**  
**XP15092 Your Cost per Dozen 15¢**  
**Special plated steel with coping saw frame. Complete with blade. Ship. wt. 2 lbs.**  
**XP15113 Your Cost 9¢**  
**Extra long blades for above. Ship. wt. 2 lbs**  
**XP15139 Your Cost per Dozen 9¢**

## Pistol Grip Hack Saw Frame



Pistol Grip handle made of rubber. A very strong frame that is adjustable to various size blades. Complete with 8" blade. Ship. wt. 2 1/2 lbs.

**XP15137 Your Cost 69¢**

## Hack Saw Blades

Made of Tom Thumb. Strictly first quality. Very flexible. Fast cutting and long lived. Four guarantee. 1. Ship. wt. 1 lb.

Size	Per Doz. Your Cost
8"	39c
10"	43c
12"	59c

## Tap And Die Sets



A handy set for the mechanic or radio set builder. It consists of a combination tap and die cutting 1/4" and 7/8" with ground dies to cut to match. Also contains tap wrench and die holder. Constructed of high speed steel, will stand up under severe strain. U.S.S. or S.A.E. thread. Ship. wt. 3 lbs.

**XP15229 S.A.P. Thread \$1.15**  
**XP15230 U.S.S. Thread**  
**Your Cost, Either Type**

## Hack Saws



Adjustable frame for 8 to 10" blades. Frame constructed of chrome-plated black hardwood handle. Complete with one 8" blade. Ship. wt. 2 lbs.

**XP14994 Your Cost 29¢**

## Pistol Grip



A real increasing cut price. Being adjusted to cut 10 to 20 in. 10" blade. Excellent with one 8" blade. Ship. wt. 2 1/2 lbs.

**XP14991 Your Cost 49¢**



# REFRIGERATOR REPAIRS

*Opens Up Great Money-Making*



## Opportunities for SERVICEMEN!

For years Wholesale Radio Service Company has made every endeavor to aid the Radio Serviceman. We have realized that his interests were our interests; that his success meant ours. For that reason we have always rendered the kind of service that meant increased profits for the serviceman.

Now after months of research and investigation in the field, we announce the creation of a Refrigerator Parts Department . . . a Department which will *double your profits!*

### *What Does This Mean To You?*

Our investigations have revealed that there are few men *better* qualified than the Radio Serviceman to render Refrigerator Repair Service. You have the ability. You have the skill.

You have the contacts. Perhaps you have already had requests for this kind of service in the past. Why not service the refrigerators in those same homes where you are making Radio Service Calls? Why not be a Refrigerator Specialist as well as a Radio Expert? Here is a year round business that will add tremendously to your profits. In summer when Radio "slows down" you'll get many calls. In winter when the refrigerator may be out of use, you'll get many overhaul and repair jobs to keep you busy. There are no slack times for the Serviceman who goes into this field!

## 5 Million Homes Are Waiting For RELIABLE REFRIGERATION SERVICE

The field is tremendous! 4,900,000 homes are waiting for reliable repair service; waiting to pay good money to the men who qualify! Get into this field. You are already well equipped to cash in big because of your past experience. A little study of this field plus the advice of our technical staff will go a long way toward setting you up in this profitable business!

Here at Wholesale Radio Service you will find all parts for practically every leading make of refrigerator at lowest WHOLESALE prices. You can be assured of the same high quality

of merchandise and service from this department as you have been accustomed to receiving on Radio Supplies.

*Do not delay!* Investigate the possibilities in this field at once. We have already done so and feel that if ever there was an opportunity for the Radio Serviceman to cash in and cash in BIG it is in the Field of Refrigeration Service.

The Pioneers in this field have made big profits. So can you! Again, WHOLESALE RADIO SERVICE COMPANY leads the way by helping the Radio Serviceman to increase his profits in 1935!

## *Everything At Wholesale Prices*

# REFRIGERATOR PARTS

2% Cash Discount on ALL orders



Tube Size	Flare Reducing Union		Female Flare To Male Flare Reducer		Flare Reducing Elbow		3-Way Flare Reducing Tee	
	Stock No.	Your Cost	Stock No.	Your Cost	Stock No.	Your Cost	Stock No.	Your Cost
1/4"			RE615	\$0.18				
1/4"			RE616	.18				
1/4"			RE617	.18				
1/4"			RE618	.24				
1/4"			RE619	.24	RES72	\$0.21	RE750	\$0.27
1/4"	RE532	\$0.16	RE620	.24			RE751	.36
1/4"	RE533	.16						
1/4"	RE534	.19			RES73	.29	RE752	.36
1/4"	RE535	.21	RE621	.31	RES74	.29	RE753	.36
1/4"	RE536	.21	RE622	.31				
1/4"	RE537	.21						

Prices include Annealed Copper Gaskets for female flares.



Tube Size	M.P.T. No.	Flare to M.P.T. Union		Flare to M.P.T. Elbow		3-Way Tee M.P.T. on End		3-Way Tee M.P.T. on Side	
		Stock No.	Your Cost	Stock No.	Your Cost	Stock No.	Your Cost	Stock No.	Your Cost
1/4"	RE550	\$0.05	RE685	\$0.07	RE795	\$0.12	RE765	\$0.12	
1/4"	RE551	.05	RE686	.07	RE796	.14	RE766	.14	
1/4"	RE552	.08	RE687	.13	RE797	.22	RE767	.22	
1/4"	RE553	.14	RE688	.21	RE798	.33	RE768	.43	
1/4"	RE555	.06	RE689	.09	RE799	.15	RE770	.15	
1/4"	RE556	.11	RE690	.16	RE800	.26	RE771	.26	
1/4"	RE557	.14	RE691	.21	RE801	.17	RE772	.26	
1/4"	RE558	.11	RE692	.13	RE802	.33	RE773	.17	
1/4"	RE559	.08	RE693	.10	RE803	.24	RE774	.34	
1/4"	RE560	.12	RE694	.21	RE804	.33	RE775	.24	
1/4"	RE562	.10	RE696	.15	RE805	.33	RE776	.34	
1/4"	RE563	.15	RE697	.21	RE806	.26	RE777	.34	
1/4"	RE564	.15	RE698	.21	RE807	.57	RE778	.24	
1/4"	RE565	.12	RE699	.16	RE808	.33	RE779	.57	
1/4"	RE566	.17	RE700	.39					

### Hexagon Brass Pipe Union

Stock No.	M.P.T.	Your Cost
RE640	1/2"	\$0.17
RE641	3/8"	.18
RE642	1/4"	.17
RE643	3/8"	.19
RE644	1/2"	.24

Stock No.	Bolt No.	Outlet M.P.T.	Your Cost
RE886	1 1/2"	1/2"	63¢ ea.
RE887	1 3/8"	3/8"	
RE888	1 1/4"	1/4"	
RE889	1 1/8"	3/8"	
RE890	1 1/4"	1/2"	
RE891	1 3/8"	3/8"	
RE892	2"	1/2"	
RE893	2"	3/8"	
RE894	1 3/8"	3/8"	
RE895	1 1/4"	3/8"	
RE896	1 1/8"	3/8"	

### Miscellaneous Unions

Stock No.	Description	Your Cost
RE647	1/4" M.P.T. x 1/4" F.P.T.	\$0.07
RE648	1/2" Female S.A.E. x 1/2" M.P.T.	.56



Tube Size	Stock No.	Your Cost	Stock No.	Your Cost
1/4"	RE840	\$0.01	RE865	\$0.04
1/4"	RE841	.01	RE866	.04
1/4"	RE842	.01	RE867	.05
1/4"	RE843	.01	RE868	.07
1/4"	RE844	.02	RE869	.08
1/4"	RE845	.02	RE870	.10



Stock No.	Bolt Centers	Your Cost
RE900	1 1/2"	\$0.01 1/2
RE901	1 3/8"	.01 1/2
RE902	1 3/4"	.03 1/2
RE903	2"	.05



Tube Size	F.P.T.	Male Flare to F.P.T. Elbow		F.P.T. to Male Flare Union	
		Stock No.	Your Cost	Stock No.	Your Cost
1/4"	1/4"	RE716	\$0.10	RE580	\$0.06
1/4"	1/4"	RE717	.11	RE581	.07
1/4"	1/4"	RE718	.21	RE582	.13
1/4"	1/4"	RE719	.11	RE583	.08
1/4"	1/4"	RE720	.21	RE584	.13
1/4"	1/4"	RE721	.21	RE585	.13
1/4"	1/4"	RE722	.16	RE586	.11
1/4"	1/4"	RE723	.29	RE587	.20
1/4"	1/4"	RE725	.21	RE588	.14
1/4"	1/4"	RE726	.29		
1/4"	1/4"	RE727	.29	RE589	.20
1/4"	1/4"	RE728	.24	RE590	.17
1/4"	1/4"	RE729	.45	RE591	.37



Tube Size	Heavy Forged Flare Nut		Flared Fitting Connector		Flared Fitting Cap	
	Stock No.	Your Cost	Stock No.	Your Cost	Stock No.	Your Cost
1/4"	RE500	\$0.07	RE600	\$0.12	RE852	\$0.03
1/4"	RE501	.07	RE601	.13	RE853	.03
1/4"	RE502	.08	RE602	.15	RE854	.04
1/4"	RE503	.08	RE603	.19	RE855	.06
1/4"	RE504	.10	RE604	.24	RE856	.08
1/4"	RE505	.11	RE605	.27	RE857	.07

Prices include Annealed copper gaskets for female flares.



Tube Size	Double End Flare Union		3-Way Flare Tee		Double Flare Tube Elbow	
	Stock No.	Your Cost	Stock No.	Your Cost	Stock No.	Your Cost
1/4"	RE520	.06	RE737	.12 1/2	RE660	.07 1/2
1/4"	RE521	.06	RE738	.14 1/2	RE661	.10
1/4"	RE522	.08	RE739	.15	RE662	.11
1/4"	RE523	.10	RE740	.18	RE663	.15
1/4"	RE524	.13	RE741	.25	RE664	.22
1/4"	RE525	.15	RE742	.28	RE665	.24

Copper Flare Gasket					
Stk. No.	Tube Size	Your Cost	Stock No.	Tube Size	Your Cost
RE905	1/4"	\$0.01 1/2	RE907	1/2"	\$0.02 1/2
RE906	3/8"	.02	RE908	3/8"	.03

Heavy Forged Reducing Flare Nut					
Stock No.	Tube Size	Your Cost	Per 100	Stock No.	Tube Size
RE510	1/2" S.A.E. drilled for 1/2" tube	\$0.11	\$9.60	RE511	3/8" S.A.E. drilled for 3/8" tube

The Mueller Brass Co. are recognized pioneers in the manufacture of high class valves and fittings. Valve bodies, tees, nuts and elbows are of forged brass. Union couplings, etc., are machined from drawn brass rod. Forgings are made of dies under terrific pressure for extremely dense non-porous structure, thus eliminating seepage and the dangerous results of refrigerant leakage. All fittings conform to the standards of the Refrigeration Valve and Fitting Association as to thread tolerance, material specification, length, and size. Although we have listed practically every fitting usually called for, we have available many other types. If you do not see it listed here, do not hesitate to call on us.

**15%** discount in assortments of 100 Standard or Stream-line Fittings. Group your orders and save.

## MUELLER Angle Valves

**Packed Type**

**Packed Type**

Flared tube side outlet angle valve with seal cap. Overall height 3".

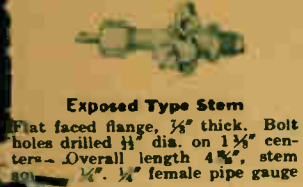
Stock No.	Side Outlet Tube Size	Bottom Inlet Male Pipe	Your Cost
RE1501	1/4"	1/4"	\$0.92
RE1503	3/8"	3/8"	.92
RE1505	1/2"	1/2"	1.08

# REFRIGERATOR PARTS

2% Cash Discount on All orders

## Compressor Valves

### MUELLER Back-Seating Compressor Valves



**Exposed Type Stem**  
Flat faced flange, 1/2" thick. Bolt holes drilled 1/2" dia. on 1 1/2" centers. Overall length 4 1/2". Stem square 1/2". 1/2" female pipe gauge tap.

Stock No.	Mueller No.	Flare Conn. Tube Size	Your Cost
RE1641	A-11034	1/2"	\$1.40
RE1603	A-11035	3/8"	
RE1605	A-11016	1/2"	

Any type—  
Your Cost, Each ...

Flat faced flange, 1/2" thick. Bolt holes drilled 1/2" dia. on 1 1/2" centers. Overall length 3 1/2". Stem square 1/2". 1/2" female pipe gauge tap.

Stock No.	Mueller No.	Flare Conn. Tube Size	Your Cost
RE1621	A-11143	1/2"	\$1.42
RE1623	A-11144	3/8"	

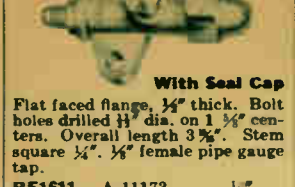
Either type—  
Your Cost, Each ...

Flat faced flange, 1/2" thick. Bolt holes drilled 1/2" dia. on 1 1/2" centers. Overall length 4 1/2". Stem square 1/2". 1/2" female pipe gauge tap.

Stock No.	Mueller No.	Flare Conn. Tube Size	Your Cost
RE1631	A-11032	1/2"	\$1.40
RE1633	A-11012	3/8"	
RE1635	A-11011	1/2"	

Any type—  
Your Cost, Each ...

RE1638 A-11033 3/8"  
Your Cost ... \$1.54



**With Seal Cap**  
Flat faced flange, 1/2" thick. Bolt holes drilled 1/2" dia. on 1 1/2" centers. Overall length 3 1/2". Stem square 1/2". 1/2" female pipe gauge tap.

Stock No.	Mueller No.	Flare Conn. Tube Size	Your Cost
RE1611	A-11173	1/2"	\$1.15
RE1613	A-11176	3/8"	

Either type—  
Your Cost, Each ...



**KEROTEST Compressor Valve with Exposed Type Stem**

Flat faced flange 1/2" thick. Bolt holes drilled 1/2" diameter on 1 1/2" centers. Overall length 4 1/2". Stem square 1/2". 1/2" female pipe gauge tap.

Stock No.	Kerotest No.	Flare Conn. Tube Size	Your Cost
RE2381	2291	1/2"	\$1.40
RE2383	2293	3/8"	
RE2385	2295	1/2"	

Any type—  
Your Cost, Each ...

Bolt holes drilled 1/2" diameter on 1 1/2" centers when specified, at no extra charge.

### KEROTEST Evaporator Valve



With Ammonia type gasket joint. Overall length 3 1/4"; stem square 1/2".

Stock No.	Kerotest No.	Flare Conn. Tube Size	Your Cost
RE2511	2201	1/2"	\$1.25
RE2513	2203	3/8"	
RE2515	2205	1/2"	

### 1/4" Male Pipe Side Outlet



Stock No.	Kerotest No.	Inlet	Your Cost
RE2521	2161	1/4" dia. 18 threads per"	\$1.03
RE2522	2162	1/4" F.P.T.	1.03

The above can be furnished electro-tin plated at .15 each additional.

### MUELLER Evaporator Valve Strainers



Keep evaporator valves free from foreign matter. The fine mesh phosphor bronze screens prevent all solid matter from passing thru the liquid line to the evaporator valve. These strainers are good insurance against clogged evaporators. The four types shown here are designed to fit most refrigerators.



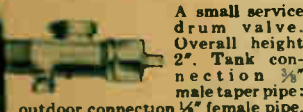
Internal screen; 1/4" S.A.E. x 1/4" diameter.  
RE950—Your Cost ... **31¢**

External screen; 1/4" S.A.E. x 1/4" M.P.T.  
RE952—Your Cost ... **27¢**

External—extra long strainer; 1/4" S.A.E. x 1/4" M.P.T.  
RE954—Your Cost ... **27¢**

External screen; 1/4" S.A.E. x 1/4" diameter.  
RE956—Your Cost ... **31¢**

### DRUM VALVES



A small service drum valve. Overall height 2". Tank connection 3/8" male taper pipe; outdoor connection 1/2" female pipe.

RE-3000—  
Your Cost ... **\$1.32**

### KEROTEST Small Service Drum Valve

Full open height 3 1/4". Stem square 1/2". Tank connection 3/8" male pipe. Outlet connection 1/2" female pipe. Type 812 is equipped with a fused metal safety plug which closes at 165°F.

Stock No.	Kero. No.	Safety	Your Cost
RE3003	811	None	\$1.32
RE3004	812	165°F.	1.50

fusible metal plug

### Tank Fitting

For adapting outlet connections of large gas drum valves for convenient use with copper tubing.

Stock No.	Kero. No.	Tube Size	Your Cost
RE3012	K1-1	1/2"	<b>58¢</b>
RE3013	K1-3	3/8"	
RE3014	K1-5	1/2"	
RE3014	K1-5	1/2"	

## MUELLER STREAMLINE FITTINGS

### Streamline Couplings



**Copper to Copper**

Stock No.	Tube Size	Your Cost
RE1100	1/4" x 1/4"	<b>8¢</b>
RE1101	1/4" x 1/2"	
RE1102	1/4" x 3/8"	
RE1103	1/4" x 1/2"	
RE1104	1/4" x 3/8"	
RE1105	1/4" x 1/2"	
RE1106	1/4" x 3/8"	
RE1107	1/4" x 1/2"	
RE1108	1/4" x 3/8"	
RE1109	1/4" x 1/2"	

### Copper to Outside I. P. S.

Stock No.	Tube Size	M.P.T.	Your Cost
RE1130	1/4"	1/8"	\$0.07
RE1131	1/4"	3/8"	.11
RE1132	1/4"	1/2"	.07
RE1133	1/4"	3/8"	.12
RE1134	3/8"	1/8"	.06
RE1135	3/8"	1/4"	.05
RE1136	3/8"	3/8"	.10
RE1137	1/2"	3/8"	.11

### Copper to Inside I. P. S.

Stock No.	Tube Size	F.P.T.	Your Cost
RE1150	1/4"	3/8"	\$0.11
RE1151	1/4"	1/2"	.11
RE1152	1/4"	3/8"	.12

**Left Hand Pipe Thread**

Stock No.	Tube Size	F.P.T.	Your Cost
RE1155	1/4"	3/8"	.11
RE1156	1/4"	1/2"	.13

MUELLER streamline fittings for refrigeration, gas, oil, air and vacuum lines are vibration proof, leak proof. Have sealed connections without nuts or flares. For further description see above.

### Streamline Tee



**Streamline 90° Elbows**

Stock No.	Tube Size	Your Cost
RE1222	1/4" x 1/4"	\$0.11
RE1223	1/4" x 1/2"	.13
RE1224	1/4" x 3/8"	.13
RE1225	1/4" x 1/2"	.13
RE1226	3/8" x 1/4"	.17
RE1227	3/8" x 3/8"	.17
RE1228	1/2" x 1/2"	.17

### Copper to Outside I. P. S.

Stock No.	Tube Size	M.P.T.	Your Cost
RE1245	1/4"	1/8"	\$0.08
RE1246	1/4"	3/8"	.08
RE1247	1/4"	1/2"	.09
RE1248	3/8"	1/8"	.10
RE1249	3/8"	1/4"	.10
RE1250	3/8"	3/8"	.10
RE1251	1/2"	3/8"	.14
RE1252	1/2"	1/2"	.14

### Copper to Inside I. P. S. Right Hand Thread

Stock No.	Tube Size	F.P.T.	Your Cost
RE1262	1/4"	3/8"	\$0.11
RE1263	1/4"	1/2"	.14

**Left Hand Thread**

Stock No.	Tube Size	F.P.T.	Your Cost
RE1268	1/4"	3/8"	.12



**Copper to Copper**

Stock No.	Tube Size	Your Cost
RE1170	1/4" x 1/4"	\$0.18
RE1171	1/4" x 1/2"	.21
RE1172	1/4" x 3/8"	.21
RE1173	3/8" x 1/4"	.17
RE1174	3/8" x 1/2"	.17
RE1175	3/8" x 3/8"	.17
RE1176	3/8" x 1/2"	.17
RE1177	1/2" x 1/2"	.17

**Copper to Outside I. P. S.**

Stock No.	Tube Size	M.P.T.	Your Cost
RE1178	1/4"	1/8"	\$0.08
RE1179	1/4"	3/8"	.08
RE1180	1/4"	1/2"	.09
RE1181	3/8"	1/8"	.10
RE1182	3/8"	1/4"	.10
RE1183	3/8"	3/8"	.10
RE1184	1/2"	3/8"	.10
RE1185	1/2"	1/2"	.10

**Copper to Copper to I. P. S.**

Stock No.	Tube Size	M.P.T.	Your Cost
RE1205	1/4"	3/8"	\$0.11

**Copper to Copper to I. P. S.**

Stock No.	Tube Size	F.P.T.	Your Cost
RE1206	1/4"	3/8"	\$0.11
RE1209	1/4"	1/2"	.14

# REFRIGERATOR PARTS

2% Cash Discount on ALL orders

## Rubberized Door Seals



Made of No. 1 cotton wick covered overall with a strong rubberized fabric cover. Especially developed for refrigeration work. Odorless, will not mould nor will it be a source for fungus growth common in the life of light weight seals. Concealed edge with double stitch.

Stock No.	White	Cush- ion	Per Flange Ft.	Per 100 Ft.
RE4231	RE4201		\$0.03	\$1.75
RE4232	RE4202		.03	1.85
RE4235	RE4205		.04	2.05
RE4233	RE4203		.04	2.15
RE4236	RE4206		.04	2.90
RE4237	RE4207		.05	3.15

Deduct 15% from 100 Ft. price when ordering 1000 feet or more.

### NOTE

We can supply double cushion, low temperature and all rubber door gasketing in numerous shapes and sizes. A sample or a sketch giving dimensions are all we need to be able to quote on. The saving in purchasing long lengths should be given consideration in view of the fact that so much of this material is being used.

## Rotary (COOKE) Replacement Seals



A standard replacement unit for the makes shown below. Consists of gland plate, gasket and rotary seal assembly. These units are exact replacements for the refrigerators specified.

Stock No.	Refrigerator Shaft Dia.	Shaft Dia.	Your Cost, Each
RE7250	Kelvinator and Copeland		\$3.50
RE7251	Frigidaire		
RE7252	Norge		
Lots of 12—Your Cost, Each			\$3.00
Servel 1" Bearing, 1" Shaft Dia.			
RE7253—Your Cost			\$4.90
Lots of 12—Your Cost, Each			4.20

## MAYSON Expansion Valves



A low priced expansion valve. Rugged and simple construction. Valve needle is stellite tip and seat made of stainless steel. For use with Sulphur Dioxide. The Methyl Chloride valves have Hastelloy Tip needles and Monel metal seats. Perfect alignment of the needle point at all times eliminates chatter or possibility of damage through rough or careless handling. Sensitive outside adjustment. Non-corrosive stainless steel springs contain in a forged brass body. The non-corrosive materials throughout assure tight shut off and last operation. Supplied with 1/4" S.A.E. flared tube inlet.

Stock No.	Outlet	Refrigerant	Your Cost, Each
REW100	1/2" Female I.P.T.	Sulphur Dioxide	\$3.20
REW101	1/2" Female I.P.T.	Methyl Chloride	
REW102	1/2" Flange	Sulphur Dioxide	
REW103	1/2" Flange	Methyl Chloride	
In lots of six, each			\$3.00

## FEDDERS Dehydrators



Consists of a brass cylinder with filter cells at each end and space between with a liberal charge of standard drying agent, if ordered charged. If supplied uncharged, one end cap is soldered to the body and the other end cap left unsoldered for easy insertion of drying agent. Uncharged dehydrators are supplied complete with filter cells. Both types can be easily disassembled for insertion of new drying agent.

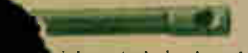
Small Size—Lgth. 4 1/4"	Overall	Your Cost
Stock No.	Tube Size	
RE3250	1/4" (charged)	\$1.75
RE3251	1/4" (uncharged)	1.43
Large Size—Lgth. 8 7/8"	Overall	Your Cost
RE3253	1/4" (charged)	2.48
RE3254	1/4" (uncharged)	1.71
Screen and filter pad for above dehydrators.		28¢
RE3255—Your Cost		

## Anhydrous Calcium Chloride

A high grade drying agent to be used in filling or refilling dehydrators. 1 lb. container.

RE3260—Your Cost	\$65¢
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## Float Valve Needle



Stainless steel shank and diamond point hard not subject to wear, corrosion.

Kelvinator units—	50¢
Frigidaire Unit.	50¢



needle seat as Fedders Float Valve. In Mullins, Norge and flooded evaporators. R-7875.

Your Cost.	\$1.25
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## FEDDERS Automatic Expansion Valve



For all refrigerants except ammonia, carbon dioxide, range 20 inches vacuum to 15 lbs. pressure. Moisture proof, forged brass body. Length overall 3 1/2". Standard inlet 1/4" S.A.E. on valves. With 1/2" and 3/4" F.P.T. outlet any standard fittings may be used.

Stock No.	Outlet	Your Cost
RE3325	1/2" F.P.T.	\$4.12
RE3326	3/4" F.P.T.	

### Replacement Parts for Fedders Automatic Valves

Needle and Collar Assembly	60¢
RE3370—Your Cost	
Needle Seat	35¢
RE3371—Your Cost	
Strainer	35¢
RE3372—Your Cost	

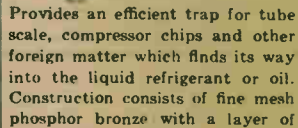
## "Genuine DETROIT" Automatic Expansion Valve No. 672



For sulphur dioxide, methyl chloride, ethyl chloride, freon or any refrigerant not detrimental to brass. Range: 25" vacuum to 15 lbs. pressure. Can be furnished with spring for higher pressure on special order. Soldered connections render valve gas tight. Moisture proof. Standard fittings may be used on valve with 1/4" F.P.T. to give other outlets.

Stock No.	Outlet	Your Cost, Each
RE3380	3/8" S.A.E.	\$4.50
RE3381	1/2" S.A.E.	
RE3382	1/2" F.P.T.	
RE3383	2" center crosswise flange	
RE3384	2" center lengthwise flange	
Any type—		
Your Cost, Each		\$4.50

## FEDDERS Line Filter



Provides an efficient trap for tube scale, compressor chips and other foreign matter which finds its way into the liquid refrigerant or oil. Construction consists of fine mesh phosphor bronze with a layer of heavy white felt between preventing solid matter from passing thru liquid line to float or expansion valve needles. Complete with forged flare nuts.

Stock No.	Tube Size	Your Cost
RE3200	1/2"	\$1.18
RE3201	3/4"	

Replacement filter pads for above.

RE3205—Your Cost	10¢
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Replacement filter screen for above filters.

RE3206—Your Cost	6¢
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## Liquid Line Scale Trap



Operating valve protection is assured by using this trap especially where maximum strainer area is required and where the refrigeration system contains an excessive quantity of chips and foreign matter. Supplied with heavy forged flared nuts and copper seal bonnets at no additional cost.

RE3218—Your Cost	84¢
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## UNITED Dehydrated and Deoxidized Seamless Refrigeration Copper Tubing



U. D. D. Copper tubing is made of the very highest quality by special manufacturing process to meet the strict requirements of the refrigeration trade. Do not confuse this tubing with the unknown and general usage tubing on the market at lower prices. Every consideration such as even temper, cleanliness and dryness have been given this tubing in the process of construction.

You probably know the drastic results which result in the use of inferior tubing. Made to A.S.T.M. specification No. B-68-30T. Ends are sealed, stamped and soldered. Wall thickness, .035 gauge.

Size O.D.	Wt. 20 Ft. Coils	Your Cost	Wt. 50 Ft. Coils	Your Cost
1 1/4"	76 lbs.	\$0.50	1 90 lbs.	\$1.20
1 3/8"	1 30 lbs.	.64	3 25 lbs.	1.56
1 1/2"	1 84 lbs.	.86	4 72 lbs.	2.15
1 5/8"	2 38 lbs.	1.08	5 45 lbs.	2.46
1 3/4"	2 90 lbs.	1.28	7 25 lbs.	3.17
1 7/8"	3 42 lbs.	1.50	8 53 lbs.	3.78
2"	3 96 lbs.	1.68	9 90 lbs.	3.79

Considerable savings are to be had in quantity purchases. Deduct: 10% in lots of 10-19 lbs.; 20% in lots of 20-49 lbs.; 25% in lots of 49-99 lbs.

### NOTE

Due to the fluctuation of the market in Copper Prices, prices on copper tubing are subject to change without notice. We can supply for immediate delivery electro-tin outside, pure tin inside and outside copper tubing. Prices will be furnished on request. Sealed ends stamped and soldered. Seamless construction.

# REFRIGERATOR PARTS

2% Cash Discount on All orders

## TYPE F



Type FH

With 9 point cold control, overload switch and integral face plate. Recommended for use with motor up to 1/2 H.P., 110-220 volts A.C. FH and FV thermostats have smaller bodies than FDH and FDV. All FDH and FDV Thermostats are interchangeable with D and FF types.

Any type—  
Your Cost Each **\$4.00**

Stock No.	Type	Use	Lgth. Tubing	Range
RE3472	FH	Household	42"	15° to 30°
RE3474	FDH	Household	14"	15° to 30°
RE3476	FDH	Household	24"	15° to 30°
RE3478	FDH	Household	42"	15° to 30°
RE3480	FDH	Water Cooler	14"	42° to 49°
RE3481	FDH	Water Cooler	24"	42° to 49°
RE3483	FV	Water Cooler	42"	42° to 49°
RE3485	FDV	Household	14"	15° to 30°
RE3487	FDV	Household	24"	15° to 30°
RE3488	FDV	Household	42"	15° to 30°

## Thermostats

Ranco Thermostats are the most widely used type of electric refrigeration control. All parts are corrosion proof. These units establish a new high in quality Thermostat controls. Ranco types R and RA—Electrical rating—up to 1/2 H.P. A.C. motors.

Type R (Non-adjustable)

Stock No.	Type	Range	Your Cost
RE3435	RO	28° 33°F.	<b>\$4.50</b>
RE3436	R-12	17 1/2° 24°	
RE3437	R-12	Same range with screw	

## Type RA

(Adjustable 5 point cold control)

Stock No.	Type	Range	Your Cost
RE3440	RA-3	1 27° 30°	<b>\$4.50</b>
		5 22° 29°	
		1 25° 29°	
RE3441	RA-5	5 20° 27°	<b>\$4.50</b>
RE3442	RA-5	Same range with Copeland attach.	
RE3443	RA-6	1 24° 28°	
		5 18 1/2° 25 1/2°	<b>\$4.50</b>
RE3444	RA-8	1 23° 27°	
		5 16° 34°	
RE3445	RA-10	1 20° 26°	<b>\$4.50</b>
		5 13° 23°	
RE3446	RA-12	1 17 1/2° 24°	
		5 -6 1/2° 20°	<b>\$4.50</b>
RE3447	RA-12	Same range with Copeland attach.	
RE3448	RA-16	1 14° 21°	
		5 4 1/2° 18°	

Clamps for above Thermostats for types R and RA. **RE3450—Your Cost 25¢**

## TYPE FF

With cold control, overload switch, semi-automatic defrosting switch, and semi-automatic, quick freeze adjustment. Interchangeable with types D and FD. Suitable for motors up to 1 H.P., 110-220 Volts A.C. **Your Cost Each, Any Type \$5.00**

Stock No.	Type	Use	Lgth. Tubing	Range
RE3494	FFV	Household	16"	14° to 28°F.
RE34500	FFH	Household	16"	14° to 28°F.

## NOTE

- Types D, F and FF type thermostats will be supplied in the ranges specified in the catalog. Special ranges are subject to shipment from factory.
  - All orders must specify amperage for overload coils, otherwise we will supply 6 amp.
  - Types D, F and FF controls can be sold for replacement purposes only. Specify "For replacement purposes."
- Here is an opportunity for the refrigerator serviceman to make an additional sale, in view of the fact that most of the older refrigerators do not come equipped with these up-to-date Thermostatic controls. Ease in installation is another factor which should not be overlooked.

## U. S. Compound Gauges



Can be used to indicate pressure and vacuum where the pressure medium is one that will not attack or corrode brass. The independent movement, free from the case is exposed to the circulation of cooling air, preventing heating and binding.

Stock No.	Dia.	Pressure Range	Connection	Your Cost
RE3835	2"	30"	60	\$1.00
RE3836	2"	30"	60	1.00
RE3837	2 1/2"	30"	60	<b>1.05</b>
RE3838	2 1/2"	30"	60	
RE3839	2 1/2"	30"	60	
RE3840	2 1/2"	30"	100	<b>1.05</b>
RE3841	2 1/2"	30"	100	
RE3842	2 1/2"	30"	150	
RE3843	2 1/2"	30"	150	<b>1.25</b>
RE3844	2 1/2"	30"	150	
RE3845	3"	30"	90	1.25

## Miscellaneous Parts

For Thermostats listed above.

RE3513—Soldering type clamp for Type F and FF. <b>Your Cost 25¢</b>
RE3514—Clamp-on type for F and FF. <b>Your Cost 25¢</b>
RE3517—Extra heating coil for Type F, specify amperage. <b>Your Cost 25¢</b>
RE3518—Extra Heating Coil for Type FF, specify amperage. <b>Your Cost 25¢</b>

## TAG Square-Case Dial Indicating Thermometer



Gives a quick accurate indication of temperature in food compartment or cooling unit. Holds its calibration under severe service conditions.

Can be checked at frequent intervals and adjusted easily.

Indicating pointer is actuated by the motion of a bellows. Black crystallized flat bottom case 4x4 1/2". Non-breakable transparent front protects 3 1/2" black dial laid out in single degree divisions. Complete with 5 ft. special flexible braided copper armored connecting tube with rubber sleeve and 3/32" nickel-white copper bulb.

RE3800—Tag No.—10050—0 to 50°F. range.  
RE3801—Tag No.—10151—20 to +40°F. range.  
**Your Cost Each Either Type \$15.00**



## U. S. Pressure Gauges

Widely used on refrigerators, oil burners, etc. Drawn steel case, celluloid crystal. Independent, non-corrosive movements, thoroughly seasoned springs. Has a range of 0-300 lbs.

Stock No.	Dia.	Connection	Your Cost
RE3825	2"	Female P.T.	\$0.75
RE3826	2"	Male P.T.	.75
RE3827	2 1/2"	Female P.T.	<b>85¢</b>
RE3828	2 1/2"	Male P.T.	
RE3829	2 1/2"	Male P.T.	

## TAG Miniature Size Recording Thermometer

Simple in design and compact in construction. Entire temperature actuating mechanism is mounted on a small bracket. Bellows retain their elasticity, enabling recorder to register tens of thousands of alternate high and low temperatures accurately. Fixed pivot and long pen arm pivot spindle minimize bending effects, assuring a record at the exact center of the "time" lines of the chart. The pen draws a sharp clean line inviting precise reading. The charts are 4 1/2" in diameter, laid out for a pen travel of 1 1/2". Size of case 5 1/2" square, 4 1/2" deep. Made of aluminum castings painted ivy green with Jack Frost finish. 100 charts and bottle of ink included. Leather handle is attached. Non-breakable front.

RE3805—Tag No. 10100 **\$25.00**  
Your Cost  
Same as above but with 5 ft. of special flexible braided copper armored connecting tubing and 3/32" nickel-white copper bulb.  
RE3806—Tag No. 10102 **\$26.00**  
Your Cost

## Celluloid Front

For Pressure and Compound

Stock No.	Diameter	Your Cost
RE3850	2"	3
RE3851	2 1/2"	3
RE3852	3"	3

**NOTE**  
Good refrigeration repair is the best kind of testing. For that reason, we show the highest grade instrument: Lack of space does not prevent our complete stock. We suggest that if what you want is shown here, drop us a line and quote you on your requirements.

## TAG Miniature Size Temperature and Time-Operation Recorder

Contained in a case the same size and finish as RE3805. Provided with two pens, one recording the running and idling time of the motor, the other recording temperature. Equipped with an electrically operated magnet suitable for 110 volts, 50 to 60 cycles continuous duty. Complete with 5 ft. of electric twin rubber covered cable and plugs, 100 charts and bottle of ink.

RE3808—Tag No. 10104 **\$45.00**  
Your Cost  
Same as above but with 5 ft. of special flexible braided copper armored connecting tubing and 3/32" nickel-white copper bulb.  
RE3809—Tag No. 10106 **\$46.00**  
Your Cost

# REFRIGERATOR PARTS

2% Cash Discount on ALL orders

## HORN'S Porcelain Patch

A white liquid cement which hardens with a body, color and lustre similar to porcelain or enameled iron. Repairs chipped parts like new, welds cracked seams in linings, cements name plates without drilling and when used as a gasket prevents rust runs. 2 oz. tubes.

RE3986—Tube of light white.  
RE3987—Tube of medium white.

RE3988—Tube of dark white.  
Your Cost, **25¢**

RE3985—Kit containing one tube each light, medium, and dark white.  
Your Cost **75¢**

## Seam Filler

RE3990—½ lb. package of Hydrolene. **25¢**

Your Cost  
RE3991—2 lb. package of Hydrolene. **50¢**  
Your Cost

## Litharge

Unequaled for making a tight, permanent joint as for fittings in manifold tube, etc. 1 lb. container.  
RE3965—Your Cost **22¢**

## All Metal Flexible Charging Hose



Suitable for use with all refrigerants which have no corrosive action on brass. Spiral coil type hose of continuous seamless brass tubing protected by double-braided copper on outside. Outlet connection made of copper tubing which can be refared several times. Also replaced when necessary by soldering in a new piece.

Stock No. Length Your Cost  
RE3910 1 ft. **\$2.00**  
RE3911 2 ft. **3.10**

## Valve Stem Key

Made from forged tool steel with a ¼" square drive at one end to fit the standard ¼" ratchet wrench.

Stock No. Size Square Opening Your Cost  
RE3730 1/8" **25¢**  
RE3731 3/16"  
RE3732 1/4"

## Packing Nut Key

Made from forged tool steel and provided with ¼" square drive at one end to fit standard ¼" ratchet wrench.  
RE3735—Your Cost **30¢**

## FREE

Ask for our **FRIGIDAIRE** Replacements parts Guide.

## HELLER Automatic Tacking Machine



For attaching gasket to refrigerator doors. Rust proof and guaranteed for one year if Heller staples are used.

RE3925—Your Cost **\$7.50**

Heller steel staples. Package of 5,000.

RE-3926—Your Cost **\$2.50**

Heller copper tin-plated, rust proof staples. Package of 5,000.

RE3927—Your Cost **\$3.00**

## Soldering Material

Solder flux brush. **15¢**

RE3955—Your Cost

Mueller No. 50 streamline solder 1 lb. spool. **65¢**

RE3956—Your Cost

Mueller No. 50 non-corrosive streamline solder flux.

Stock No. Size Your Cost  
RE3957 2 oz. can **\$0.15**  
RE3958 8 oz. can **.50**  
RE3959 1 lb. can **.85**

## Official Refrigeration Service Manual



Servicing an electric refrigerator is absurdly simple once you get the "hang" of it. In this Refrigeration Manual every part is carefully explained; diagrams are furnished of every known machine; special care given to the servicing end. The tools needed are illustrated and explained; there are trouble shooting charts, and other service data. Over 1,200 diagrams; 450 pages; 9x12", flexible loose leaf cover.

RE19504—Your Cost **\$4.00**

## Principles of Refrigeration

A Complete library on refrigeration. The work is in everyday language. With this book the practitioner is enabled to intelligently design or operate refrigerated machinery. The theoretical and fundamental operating principles are given attention first. This is followed by numerous practical considerations and the application of the fundamental principles to the economic production of ice and refrigeration for various purposes. Over 1,000 pages. Profusely illustrated in a cloth binding.

Your Cost **\$7.50**

## Household Refrigeration

An enlarged fourth edition of the only book published on Domestic Refrigeration. Covers in detail the principles, types, construction and operation of domestic refrigerators and refrigeration. Contents include chapters on Refrigeration Units and Theory—History and Principles of Refrigerating Systems; Domestic Ice Refrigerators—Refrigerators—Air Conditioning Commercial Systems—Miscellaneous Tables. This book is particularly suitable for students, engineers, and service men. Over 700 pages 6 1/4 x 9 1/4" in size, profusely illustrated.

Your Cost **\$4.00**

## NOTE

We carry a complete stock of standard parts and equipment for the Refrigeration industry, such as, Household Evaporators, Commercial Evaporators, Automatic Expansion Valves, Thermostatic Expansion Valves, Filters and Dehydrators, Packless Valves, Gaskets, Door Gaskets, Dehydrated and Plain Copper Tubing, Valves and Fittings, Water Valves, Controls, Gauges, Brushes, Belts, Thermostats, Tools.

# IMPERIAL TOOLS

## Tube Cutter



Hand tool for cutting tubing, making a clean, fast, right angle cut without burrs or chips. Leaves tubing round ready for flaring. Has reamer on bottom.

RE3640 for tubing 1/8" to and including 1/2" outside diameter.

Your Cost **\$2.50**

RE3641—Similar to above but without reamer. For tubing 1/8" to and including 1" outside diameter. **\$3.50**

RE3643—Extra cutting wheels for above tube cutters. **\$0.25**

Your Cost

RE3644—Extra reamer blades for RE3640. Your Cost **\$0.25**

RE3645—Extra cutting wheel screws for RE3640 and RE3641. **\$0.08**

Your Cost

## Refacing Tool

Refaces seats of fittings and assures a tight leak proof joint. Reamer has 5 flutes which assure smooth cut and eliminates chattering. Takes adaptors for 5 different sizes of couplings. 1/4", 3/8", 1/2", 3/4". Complete with adaptor.

RE3680 **\$4.50**

Your Cost

RE3681 **\$3.25**

Your Cost  
Adaptors only. Specify size.  
RE3682 **30¢**  
Your Cost

## Automatic Tube Cutter



Cuts copper, brass, block tin, and lead tubing. Makes right angle cut quickly and cleanly. By adjusting tension spring, cutter will feed automatically. For tubing 1/8" to and including 3/8" outside diameter.

RE3646 **\$2.25**

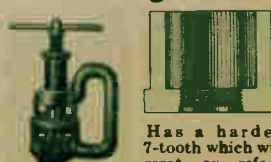
Your Cost

Extra cutting wheels for above. **\$0.25**

RE3647—Your Cost

RE3648—Your Cost **\$0.08**

## Reseating or Retacing Tool



Has a hardened 7-tooth which will reseat or reface flared fitting ends that have become marred or scratched. Complete with one bushing of the following sizes: 1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8". Specify size wanted.

RE3685—Your Cost **\$12.00**

Your Cost  
Bushing only. Specify size.  
RE3686—Your Cost **\$0.95**

## Pinch-Off Tool



Will quickly pinch copper, brass and aluminum tubing so that no gas or liquid will pass sealed part of tubing. Disconnects the liquid or gas line while making repairs or installations without losing any of the refrigerant. Opens up the tubing when the unit is ready to operate. For tubing 1/8" to and including 3/8" outside diameter.

RE3625 **\$1.85**

Your Cost

RE3626—Same as above but has hex head bolt instead of bolts with wing nuts. It does not have the extra extension of the bar. **\$1.25**

Your Cost

## Tube Bender



A specially prepared spring wire coil, cadmium plated to prevent rusting. With this it is a simple matter to bend tubing by hand to any desired shape without collapsing the tube. The belled end assures easy removal of tool after bend is made. Overall length of tube bender 7 1/2".

Stock No. Size Tubing Your Cost  
RE3651 1/8" **\$0.35**  
RE3652 3/16" **.40**  
RE3653 1/4" **.45**  
RE3654 5/16" **.50**  
RE3655 3/8" **.55**  
RE3656 1/2" **.60**

Set of Six, 1 each of the above.

RE3650—Your Cost **\$2.75**

# REFRIGERATOR PARTS

2% Cash Discount on All orders

## Reversible Ratchet



Made from chrome alloy steel with  $\frac{3}{8}$ " square drive. Light thumb pressure on easily accessible switch will instantly reverse ratchet action. Bright satin finish with polished head. Length 6". **\$1.35**  
RE3715—Your Cost

## Flare Nut Wrenches



Made from fine quality tool steel, chrome plated to a high permanent lustre.

RE3778—6" long with openings to accommodate  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{3}{4}$ ",  $\frac{7}{8}$ " and one  $\frac{1}{2}$ " flare nuts. **40¢**  
Your Cost

RE3779—7" long with openings to accommodate  $\frac{3}{8}$ " and  $\frac{1}{2}$ " flare nuts. **50¢**  
Your Cost

## Commutator Resurfacers



Made from an artificial abrasive block consisting of the hardest di-electric grain known, not the ordinary stone often used for this purpose.

RE3915—Size 6" x  $\frac{3}{8}$ " x  $\frac{3}{8}$ ".

Of medium hardness for removing mica or a small amount of copper from commutator.

RE3916—Size 6" x  $\frac{1}{4}$ " x  $\frac{3}{8}$ ".

With finer grain, recommended for general work on fractional h.p. motors. Can be used for cutting mica and cleaning and polishing commutator.

Your Cost Each— **75¢**  
Either Type

## NOTE

For a complete listing of tool chests, soldering irons and blow torches refer to the following pages: Soldering irons, page 167; Blow torches, page 167; Tool chests, page 173.

## TURNER Halide Refrigerant Leak Detector



Positively detects leaks of chlorinated hydro-carbon refrigerants including methyl chloride, ethyl chloride, trichloro-ethylene, methylene chloride, carene, and freon. The detector is an alcohol-burning blotorch with a special burner housing which syphons air through a rubber tube. When the end of the rubber tube is held near a leaky joint the gas is drawn into the burner. The flame instantly changes from blue to green. An efficient blotorch for general service work. Capacity one pint. **\$5.00**  
RE3950—Your Cost

## TURNER Handitorch

A real blow torch in miniature. This is an automatic pressure torch with a standard type flame control and shut-off valve, having a needle point which automatically clears the gas orifice each time the valve is closed. Develops a hot blue flame which fully meets the requirements of mechanical, bench and laboratory users.  $\frac{1}{2}$  pint capacity polished brass tank with bottom filler. **\$1.25**  
REW200—Your Cost



## TURNER Blotorches



Has a heavy improved burner which develops an extremely hot blue flame and will give highly efficient service without clogging. Pump unit is sturdy and brass tank has a polished finish. Capacity one quart.

RE3951—Your Cost **\$3.25**

## FEDDERS Special Wrenches



Used for inserting Fedders cartridge type metal seat assembly in the Fedders float header. Has a  $\frac{1}{2}$ " socket and outside diameter is specially ground to  $\frac{1}{8}$ " outside diameter for insertion in header, recess or well.

RE3780—Your Cost **\$1.20**

The T-handle hex. wrench has the ends of the handle adapted for opening and closing valve stem in liquid and suction valves on domestic and commercial flooded units. Hexagon opening in the end is used in removing and replacing bolts or detaching valves from header of cooling units and also removing header flange bolts.

RE3701—Your Cost **\$1.40**

## SHIMS

Fibre thrust washers or shims are used in all motors to control the end play of the rotor or armature. The proper size to fit Delco, Century, Wagner and Emerson as used on electric refrigerators is given below for your convenience.

1-64" Thick.	1/8" Thick.	I.D.	O.D.	Delco Fr.	Century H.P.	Wagner Fr.	Emerson H.P.
RE7660	RE7670	$\frac{1}{2}$ "	$\frac{1}{2}$ "		M-6 $\frac{1}{2}$		
RE7661	RE7671	$\frac{3}{8}$ "	$\frac{3}{8}$ "				$\frac{1}{2}$ - $\frac{1}{2}$
RE7662	RE7672	$\frac{1}{4}$ "	$\frac{1}{4}$ "	3140			
RE7663	RE7673	$\frac{1}{8}$ "	$\frac{1}{8}$ "				
RE7664	RE7674	$\frac{1}{4}$ "	$\frac{1}{4}$ "	3101	$\frac{1}{2}$ M-7 $\frac{1}{4}$	58W7RA $\frac{1}{8}$	
		3103	$\frac{1}{2}$ M-8 $\frac{1}{2}$	66X7RA $\frac{1}{4}$		66Y8RA $\frac{1}{4}$	
		3145		66Y8RA $\frac{1}{2}$		7Z9BA $\frac{1}{2}$	
		3150					
RE7665	RE7675	$\frac{3}{8}$ "	1"	3105			$\frac{1}{2}$
RE7666	RE7676	$\frac{1}{2}$ "	1 1/4"		R.M.10 $\frac{1}{2}$	76X6RA $\frac{1}{4}$	
						76Y8RA $\frac{3}{4}$	
						8Z8BA 1	
						76Z8RA 1	
						8Z8BA 1 1/2	
RE7667	RE7677	1 1/4"	1 1/2"				

RE7667 RE7677 1 1/4" 1 1/2"  
Your Cost per 100 **60¢**

## 12-Point Box Wrenches



Drop forged from Chrome Vanadium Steel, these wrenches combine lightness in weight with exceptional strength. Both ends are off-set and have different openings in each end. Heads are buffed and wrench is plated to a high permanent lustre. Oval handles, double hexagon openings.

Stock No.	Length	Openings	Your Cost
RE3750	4 1/2"	1/2" & 3/4"	\$0.35
RE3751	5 1/2"	3/4" & 1"	.40
RE3752	5 1/2"	3/4" & 1 1/4"	.50
RE3753	6"	3/4" & 1"	.45
RE3754	7 1/2"	3/4" & 1"	.40

Stock No.	Length	Openings	Your Cost
RE3756	8 3/8"	1/2" & 3/4"	\$0.45
RE3756	9 3/8"	3/4" & 1"	.50
RE3757	11 1/4"	3/4" & 1 1/4"	.55
RE3758	12 1/4"	3/4" & 1 1/2"	.70
RE3759	14 1/4"	3/4" & 1 1/2"	.80

## Set of Three 12-Point Box Wrenches



Consists of one each No. RE3750, RE3751, RE3753 Box Wrenches described above, packed in strong cardboard box.

RE3760—Your Cost **\$1.20**

## Set of Six 12-Point Box Wrenches



Consists of one each RE3754-RE3759 inclusive, Box Wrenches described above, packed in strong cardboard box.

RE3761—Your Cost **\$3.35**

## Straight Wrench



2 1/2" long with  $\frac{1}{4}$ " square opening with small refrigerant drum valve stems.

RE3785—Your Cost **10¢**

## Open End Wrenches



Chrome vanadium steel, switch adjusting wrench for Frigidaire. Heavily plated and polished. Length 4", openings  $\frac{1}{4}$ " and  $\frac{3}{8}$ ".

RE3768—Your Cost **35¢**

Open end wrenches manufactured from high quality tool steel, heavily plated to a high permanent lustre.

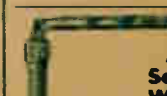
Stock No.	Lgth.	Openings	Your Cost
RE3770	3"	1/4" & 3/8"	\$0.30
RE3771	4 1/2"	3/8" & 1/2"	.35
RE3772	5 1/2"	1/2" & 3/4"	.45
RE3773	5 1/2"	1 1/2" & 1"	.45
RE3774	6 1/2"	1" & 3/4"	.55
RE3775	7 1/2"	3/4" & 1"	.70

## Ratchet Wrenches



Compact and light in weight. Overall length 6". In addition to the regular broached openings at each end of the  $\frac{1}{4}$ " and  $\frac{3}{8}$ " wrenches, an additional broached opening  $\frac{1}{2}$ " has been provided to accommodate the valve stem of small refrigerant cylinders. The  $\frac{1}{2}$ " hex on one end of the wrench will accommodate standard  $\frac{1}{2}$ " cap screw used to install shut-off valve compressors header valves on flooded type units, motors, etc. Ratchet is marked on and off.

Stock No.	Size	Your Cost
RE3785	$\frac{1}{4}$ "	\$1.15
RE3786	$\frac{3}{8}$ "	1.00
RE3787	1"	1.15



## ALLEN Set Screw Wrenches

Stock No.	Size	Hex	Your Cost
RE3788	$\frac{1}{8}$ "		\$0.04
REW201	$\frac{1}{16}$ "		.05
RE3789	$\frac{3}{16}$ "		.06
RE3790	$\frac{1}{4}$ "		.08
RE3791	$\frac{3}{8}$ "		.12

# REFRIGERATOR PARTS

2% Cash Discount on All orders

## Interstate Commerce Commission Regulations Regarding Refrigeration Cylinders

I.C.C. regulations specify that refrigerant cylinders must be officially tested every five years. If the test date on the drum (usually shown below serial number) is more than five years old, the drum must be tested by local authorities before being used for shipment. Cylinders will not be refilled if the test date is more than five years old.

## REFRIGERANTS

### "ANSUL" Methyl Chloride

Do not let price be your guide when purchasing refrigerants. Untold grief has very often been the result of using unknown makes. Ansul Methyl Chloride is stable and non-corrosive to most metals. Has low head pressure and high operating efficiency. Used in many types of units both commercial and domestic for almost all kinds of food and industrial refrigeration.

Stock No.	Quantity	Deposit	Your Cost
RE4130	5 lbs.	\$3.50	\$2.64
RE4131	6 lbs.	6.00	4.38
RE4132	10 lbs.	10.00	8.70
RE4133	35 lbs.	20.00	21.20
RE4134	60 lbs.	20.00	28.80

### Ethyl Chloride

Stock No.	Quantity	Deposit	Your Cost
RE4140	1-10 lbs.		\$0.75
RE4141	11-25 lbs.		.65
RE4142	100 lbs. Cylinder	\$30.00	.30

### "Ansul" Sulphur Dioxide

You cannot be careful enough in your choice of Sulphur Dioxide. This refrigerant which we supply is made by Ansul, one of the largest and oldest producers of the highest grade refrigerants. Do not be misled by lower priced, inferior products. Essentially dried through a four stage dehydrating system. An acid contains the minimum of moisture, is free of any impurities and can be charged directly into a refrigerant unit. Every cylinder is individually analyzed for dryness and purity. All valves are cleaned and tested before each filling.

Stock No.	Quantity	Deposit	Your Cost
RE4124	5 lbs.	\$3.50	\$2.00
RE4125	10 lbs.	6.00	3.00
RE4126	25 lbs.	10.00	4.25
RE4127	70 lbs.	20.00	9.45

Stock No.	Quantity	Deposit	Your Cost
RE4146	2 lbs.	\$3.50	\$2.25
RE4147	2 1/2 lbs.	17.50	2.00
RE4148	110 lb.	17.50	1.75

## Carbon Tetrachloride

Price slightly higher than the ordinary grade of cleaner but this is the highest grade available. Used for cleaning compressors, refrigerant fittings, tubing, gas tanks, etc. Dissolves grease and oil quickly and thoroughly. One gallon case.

RE3975—Your Cost **\$2.25**

## Refrigerant Cylinders

Seamless steel. Bears I.C.C. stamp. Diameter 4". Length 12". Capacity 3 lbs. Methyl Chloride or 5 lbs. Sulphur Dioxide. Price complete with valve.

RE4060—Your Cost **\$3.50**

## NOTE

Note: Cylinders are accepted for credit if returned within 90 days from date of sale in good condition. Charges must be prepaid. Cylinder caps and valve seals caps must be returned with empty cylinders. Charges to charge will be made for them.

## TAYLOR Pocket Thermometer and Refills



These Etched-stem Glass Thermometers are reliable. Heavy-wall glass stem gives strength, large diameter capillary gives high visibility, firmly fastened in metal screw caps. Strong metal case convenient to carry gives perfect protection. Red Spirit-filled expanding thermometer with stem scale minus 30° to plus 120° especially adapted for use where visibility is poor. Complete with single case.

RE3882—Your Cost **90¢**  
Extra Red Spirit Refills only.

RE3884—Your Cost **70¢**  
Magnifying lens front, red reading mercury, double case.

RE3887—Your Cost **\$1.35**  
Magnifying lens front, red reading mercury, refill only.

RE3888—Your Cost **90¢**

## Small Motor Bushings

The genuine phosphor bronze bushings listed here are far superior replacement on the electric motors most widely used for refrigeration, air heater, and appliance work. On grooves are added to these bushings for two purposes, either to direct or restrict the oil flow. Both results should be accomplished with an little grooving as possible, so that the oil film which is built up by motion is not broken. The grooving on these units exactly duplicates that of the original. 10% discounts in lots of 12 or more.



Stock No.	O.D.	I.D.	Length	H.F.	Type & Frame	Your Cost
REL6	1 1/2"	1 1/8"	1 1/2"	1/16"	RS, DM, MTK-MAA-L, SC SCS1-6, DM7-L	5.28
REL7	1 1/2"	1 1/8"	1 1/2"	1/16"	RS, DM, M5-6, DM8, SP S60	.24
REL11	1 1/2"	1 1/8"	2 1/2"	1/16"	RS, SC RS1, RM10LN, AS1, SC18	.36
REL22	1 1/2"	1 1/8"	2 1/2"	1/16"	RS P3-4, PS2, RS3B	.42
REL29	1 1/2"	1 1/8"	1 1/2"	1/16"	RS, DM M5-6, DM6	.30
REL30	1 1/2"	1 1/8"	2 1/2"	1/16"	RS, SC RM10LN	.53
REL32	1 1/2"	1 1/8"	2 1/2"	1/16"	RS RS2-3B P3-4	.60
REL33	1 1/2"	1 1/8"	3 1/2"	1/16"	SC, RS P6, PL6, SC3-4	.90
REL31	1 1/2"	1 1/8"	1 1/2"	1/16"	RS RT-R-RL	.38
REL37	1 1/2"	1 1/8"	2 1/2"	1/16"	RS RSAB	.53
REL56	1 1/2"	1 1/8"	1 1/2"	1/16"	SP S6C	.30

Stock No.	O.D.	I.D.	Length	H.F.	DAY FAN	Your Cost
REL24	1 1/2"	1 1/8"	1 1/2"	1/16"	BL447	.30
REL53	1 1/2"	1 1/8"	1 1/2"	1/16"	DA47	.40

Stock No.	O.D.	I.D.	Length	H.F.	DELCO	Your Cost
REL2	1 1/2"	1 1/8"	1 1/2"	1/16"	AC-DC 3105, 3168-9	.28
REL3	1 1/2"	1 1/8"	1 1/2"	1/16"	DC-AC 3103-01, 3-50, 60, 3411-12	.28
REL13	1 1/2"	1 1/8"	1 1/2"	1/16"	DC-AC 3116-3140	.26
REL17	1 1/2"	1 1/8"	1 1/2"	1/16"	DC-AC 3349-50, 2480, 3513-14, 3550, 3705, 4080, 0380, 4425, 4135, 278, 4291, 4570	.21

Stock No.	O.D.	I.D.	Length	H.F.	GENERAL ELECTRIC	Your Cost
REL5	1 1/2"	1 1/8"	1 1/2"	1/16"	SA, D 113, 114, 117, RSARKT 15-142, 11-4, SA 148, 17, 113, M, K 110-1-2, 21, RJ, RL 5-3, 1-2, 2-6, RSA, Foor D-13, 1430-2450, KT, KQ, 121-2, 3, 345, K, KL, R 49-64-70, I-T, T-3, 112, 122, REA, EA T, 80, 445, 65, 278	.60
REL12	1 1/2"	1 1/8"	1 1/2"	1/16"		.20
REL14	1 1/2"	1 1/8"	1 1/2"	1/16"		.20
REL38	1 1/2"	1 1/8"	1 1/2"	1/16"		.60
REL49	1 1/2"	1 1/8"	1 1/2"	1/16"		.34
REL52	1 1/2"	1 1/8"	1 1/2"	1/16"		1.20
REL48	1 1/2"	1 1/8"	1 1/2"	1/16"		1.00

## Portable Three Thermometer Panel



This device placed on top of refrigerator shows the temperature of cool box and room. No installation labor, no alteration to cabinet or drilling of holes.

RE3900—Your Cost **\$7.00**

## Gauge Testing Outfit KEROTEST type 413



This outfit has a wide variety of tests such as—Purging air or gas from High Side, Charging with Low Side, Testing Low Side for Leaks, Setting Low Side Controls, Charging liquid gas in High Side, Purging gas into Low Side, Setting Expansion Valves, Purging gas from gauge lines, etc. All hard components for 1/2" O.D. Copper Tube.

RE3880—Your Cost **\$3.12**

## "Freezene" Refrigerator Oils

Waterwhite oils refined until free from impurities. Will not react with the refrigerant (form gas, carbon or acids). Inure efficient operation when used with refrigerants such as sulphur dioxide, methyl chloride, and others. For small machines operating with output demands as refrigerant.

Stock No.	Medium	Quantity	Your Cost
RE4160	1 Qt.	1 Gal.	\$0.45
RE4162	1 Qt.	1 Gal.	1.45
RE4164	5 Gal.	5 Gal.	6.75
RE4161	1 Qt.	1 Gal.	.50
RE4163	1 Qt.	1 Gal.	1.55
RE4165	5 Gal.	5 Gal.	7.25

## Cartridge Type Gas Mask

Protection against organic and paint fumes, sulphur dioxide, methyl chloride, etc. Chemical cartridge with absorbents purifies incoming air. Flutter type exhalation valve permits natural easy breathing and will not fog or leak. Bands of brass and rubber painted. All parts of the mask can be dismounted for cleaning. Supplied without goggles or with air tight rubber goggles attached. Furnished with six extra cartridges. Complete in metal case.



REW—Low Goggles **\$5.00**  
Your Cost  
REW—With Goggles Each, **\$7.00**  
REW—Cartridges only, Each, **\$0.40**  
RE3939—Panel for cleaning lens. **Your Cost \$0.25**

When ordering Respirators or Cartridges, specify if for sulphur dioxide, methyl chloride or paint, organic or acid fumes.



# FRIGIDAIRE EXACT DUPLICATE REPLACEMENT PARTS!

At last it has been made possible for those actively engaged in the refrigeration trade to obtain complete and accurate listings of all compressor parts for *Frigidaire* refrigerators.

These parts include: pistons, piston pins, piston rings, piston valve discs, flapper valves, connecting rods, eccentrics, eccentric shafts, bellows seal assemblies, flapper valve reeds, flapper valve springs and buttons, float valve needles, water valve stems, filter pads and screens, line valve connections, woodruff keys and all types of gaskets.

To simplify selection of proper parts, all material is listed in a handy ten-page booklet, in catalog form. Representative parts of each type are clearly illustrated to make identification easy. We are indeed happy to state that this helpful booklet is being offered absolutely FREE. It is only necessary that you write for your copy, clearly indicating your return address, and a copy will be sent to you by return mail.

**FREE!**  
Valuable Booklet  
Listing Frigidaire  
Replacement  
Parts!

## NOTE

In addition to the Kelvina-tor and Copeland replacement gaskets shown above, we are also able to supply gaskets for the following: Refrigerators, Frigidaire, zero zone, Servel and Fedders.

## OHIO Refrigerator Brush Kit No. 45

The materials from which these brushes are made are especially selected for refrigerator duty only. An application chart is supplied with each kit. This kit contains a total of 160 brushes comprised of 64 single brushes and 48 pairs—replacements for Delco Motors, Century Motors, Dayfan Motors, G. E. Motors, Nizer Motors and Wagner Motors.

REW220—Your Cost

**\$25.00**

## NOTE

We regret that we cannot list all of the motor brushes which we have in stock due to the large amount of space required. We can however furnish for immediate delivery brushes for the following motors: Century, Frigidaire, Emerson, General Electric, Leland, Wagner and Westinghouse.

## Replacement Gaskets

The gaskets listed below for Copeland and Kelvinator refrigerators are made up to the exact specifications of the original manufacturer in every instance. This applies likewise to all of the gaskets which we stock for various makes of refrigerators. These unusually low prices are made possible by our tremendous quantity of purchases as well as the fact that we buy and sell only for cash. If your requirements call for quantities of over one hundred assorted gaskets of not more than ten different numbers, write in for special prices.

### Replacement Gaskets for KELVINATOR Units

Stock No.	Kelv. No.	Description	Your Cost	Stock No.	Kelv. No.	Description	Your Cost
RE6200	2044	Service Valve Fitting and Strainer Assembly Gasket	\$0.02	RE6355	9030	Discharge Valve Plate Gasket for Model D, S, F1 to 8, F10 on	\$0.01
RE6202	2046	Valve Spring Plug Gasket for Expansion Valve	.02	RE6358	9035	Base Gasket for Model S	.04
RE6210	2670	Cooling Unit Suction and Liquid Service Valve Gasket for No. 3046 Service Valve Assembly	.02	RE6361	9038	Cylinder Head Gasket for Model C10, 12	.03
RE6215	3073	Expansion Valve Cover Gasket	.03	RE6364	9041	Valve Plate Gasket for Model C10, 11	.03
RE6218	3096	Cylinder Head Gasket for Model S, F1-8, F10 on	.03	RE6370	9111	Compressor Seal Gasket for Model J, L, S, M, F1 to 8, F10 on	.02
RE6220	3140	Crankcase Cover Gasket for Model J, D2, S, F18, F10 on	.03	RE6400	12515	Compressor Base Gasket Model M (Midget)	.04
RE6224	3325	Crankcase Cover Gasket for all Model B, LB, R	.05	RE6435	13663	Cylinder Head Gasket	.04
RE6226	3332	Compressor Seal Gasket for all Model B, LB, R	.02	RE6453	13679	Gasket	.07
RE6228	3334	Compressor Base Gasket for Models BB, WB, F18, F10 on, all R	.05	RE6460	19030	Discharge Valve Plate and Cylinder Head Gasket for Model J, M (Midget)	.03
RE6230	3336	Discharge Valve Plate and Cylinder Head Gasket for all Model LB	.04	RE6465	19035	Base Gasket for Model J	.04
RE6231	3337	Cylinder Head Gasket for Model BB, WB, Z3 on	.04	RE6510	505139	Suction Service Valve Gasket for all Model N, I, Z, Float Valve Suction Tube Assembly Gasket for No. 578579	.02
RE6240	3622	Compressor Base Gasket for Model L20-21, LM20	.05	RE6515	505163	Discharge Valve Plate Gasket (.003" for all Model N, I	.03
RE6241	3623	Compressor Base Gasket for all Model C	.05				
RE6250	4381	Float Valve Gasket for No. 4390 Float Valve Assembly	.04				
RE6251	4382	Service Valve Gasket	.02				
RE6285	6111	Float Valve Gasket for Nos. 6118 and 6139 Float Valve Assembly	.06				
RE6300	7003	High and Low Pressure Line Adapter Gasket for Model J10, S9-10, S18, F1 to 3, Suction Service Valve Gasket for all Model R, LB, B, F1 to 9, F10 to 35, F37 to 55, F65, E3 on (Asbestos)	.01				
RE6301	7003	Same except material is lead	.03				
RE6315	7107	High Pressure Control Line Adapter Gasket and Discharge and Suction Service Valve Gasket for all Model LB, B, Z3 on	.02				

### Replacement Gaskets for COPELAND Units

Stock No.	Cope. No.	Description	Your Cost
RE6600	102	Cylinder Base Gasket for Model A, AM, A5, B, C, D, P, G, I, K, L, N, 1, 1L	\$0.04
RE6605	111	Crankcase Cover Gasket for Model A, AM, A5, B, C, D, F, G, H, I, IC-3, K, L, M, N, R, RW, 1, 1L, 2, 2L	.11
RE6610	118	Seal Cover Gasket for Model A, AM, A5, B, C, D, F, G, H, I, IC-3, IC-4, K, L, N, R, RW, 1, 1L, 2, 2L	.04
RE6615	147	Cylinder Head and Discharge Valve Plate Gasket for Model A, AM, A-5, B, C, D, F, G, I, K, L, N, 1L	.07
RE6640	1008	Gasket for use under Compressor Shut-off Valves having flat flange	.04
RE6645	1013	Gasket (Lead) for use under Compressor Shut-off Valves having grooved flange. Also for old style Expansion Valves	.04
RE6665	3642	Gasket	.04
RE6680	7072	Cylinder Head and Discharge Valve Plate Gasket for Model T, W, WA, X, XA	.07
RE6690	7556	Shut-off Valve Gasket for Model W, WA, X, XA	.03

# REFRIGERATOR PARTS

2% Cash Discount on ALL orders



## FEDDERS Type S Flooded Evaporators

Made entirely of brass and copper. All tubes are silver soldered to insure metal to metal contact. The float assembly is set at the factory for the refrigerant used. Provides positive oil return, foolproof refrigerant control and easy accessibility for adjustments or repairs. Silver satin

finish. Complete with Float Assembly and Trays. Does not include cold control. Specify for use Sulphur or Methyl.

Stock No.	I.M.E. Cu. Per 24 Hr. Box	Ft. No. Trays	Over-all Ht.	Your Cost Each
RES-21	30	3.5	2 9"	\$11.52
RES-25	36	4.5	3 10 1/2"	12.75
RES-29	40	3.5	4 12 1/2"	13.83
Trays, 9 3/4" x 1 1/2" x 1 1/2". Units with doors, 11 1/4" long, 6 3/8" wide.				
RES-22	36	4.5	2 8 1/2"	12.21
RES-27	44	6	3 10 1/2"	13.48
RES-32	48	6.5	4 12 1/2"	14.95
Trays, 11 1/4" x 1 1/2" x 1 1/2". Units with doors, 12 1/2" long, 6 3/8" wide.				
RES-31	54	7.5	3 10 1/2"	13.49
RES-36	56	10	5 13 1/2"	17.03
Trays, 13 1/4" x 1 1/2" x 1 1/2". Units without doors, 15 1/4" long, 6 3/8" wide.				

## FEDDERS Flooded Type L Series Evaporators

Equipped with flared tube suction line and 1/2" flare tube liquid line. Have non-removable header. All units have trays and grids as standard equipment with chrome plated tray fronts. Does not include cold control. Complete with float assembly. Specify for Sulphur or Methyl.



Stock No.	I.M.E. Cu. Per 24 Hr. Box	Ft. No. Trays	Overall Height	Your Cost
RE-L28	42	5	2 10 1/2"	\$14.85
RE-L31	46	6	2 11 1/2"	21.65
RE-L43	64	10 1/2	2 11 1/2"	22.14
RE-L38	56	9	3 13 1/2"	17.49

Hanger brackets furnished at extra charge.

## FEDDERS Type FF Evaporators



A fast freezing continuous tube dry expansion domestic evaporators. The use of one continuous tube prevents any possibility of the unit becoming oil bound. The continuous tube construction of this unit causes faster freezing because the trays are separated from the actual refrigerant only by the thickness of the copper tube and tray sleeves.

Prices include Fedders Automatic Expansion Valve.

Stock No.	No. Trays	High	Your Cost	
RE-FF2	1	7 1/2"	3 1/2	\$12.60
RE-FF3	2	10"	4 1/2	14.65
RE-FF4	3	12 1/2"	4 1/2	16.63
RE-FF5	4	14 1/2"	4 1/2	18.76
RE-FF6	5	16 1/2"	4 1/2	20.94

\*Freezing time based on test in 110°F. Room and Water poured in trays at 70°F. All trays at one time—Hours (All cubes in all trays completely frozen).

## FEDDERS Prestalloy Domestic Evaporators

These dry expansion evaporators are made of a double walled shell with a copper tube pressed between them. In silver satin finish with chrome front plate. Steam cleaned, dried and dehydrated. Supplied with Fedders Automatic Valve and trays to fit, but without cold controls. 11 1/4" long, 7" wide.



These dry expansion evaporators are made of a double walled shell with a copper tube pressed between them. In silver satin finish with chrome front plate. Steam cleaned, dried and dehydrated. Supplied with Fedders Automatic Valve and trays to fit, but without cold controls. 11 1/4" long, 7" wide.

Stock No.	Sq. Ft. No. Trays	I.M.E. Cu. No. Trays	Evap. Per 24 Hr. Box	Ft. High	Your Cost Each
RE228T	2	3.25	38.8	5 9"	\$14.39
RE328T	3	4.14	49.6	7 11 1/2"	16.30
RE428T	4	5.02	58.8	9 13 1/2"	18.34

Above prices include Fedders automatic expansion Valve and Trays but do not include a cold control.

## Flexotrays



Flexible rubber ice trays of pure, tasteless, amber-colored rubber, made to fit all makes and sizes of mechanical refrigerators. A Flexotray used to replace the grid in a metal tray makes possible quick and easy removal of ice cubes, as the ice will not stick to the rubber.

Measurements shown are the same, or slightly less, than inside top measurements of the metal tray.

Stock No.	No. Cubes	Size Lgth. Wth. Hght.	Your Cost
RE750897	12	9 1/2" x 2 1/2" x 1 1/2"	\$0.90
RE750898	15	7 1/2" x 4 1/2" x 1 1/2"	1.05
RE750899	18	9 1/2" x 4 1/2" x 1 1/2"	
RE750900	21	11 1/2" x 4 1/2" x 1 1/2"	
RE750901	24	12 1/2" x 4 1/2" x 1 1/2"	1.20
RE750903	28	9" x 5 1/2" x 1 1/2"	.90
RE750904	28	9" x 5 1/2" x 1 1/2"	
RE750937	24	8 1/2" x 3 1/2" x 2 1/2"	
RE750938	24	10 1/2" x 3 1/2" x 2 1/2"	
RE750939	21	10 1/2" x 4 1/2" x 1 1/2"	1.05
RE751042	21	8 1/2" x 4 1/2" x 1 1/2"	
RE751043	27	11 1/2" x 4 1/2" x 1 1/2"	.90
RE750905	9	5 1/2" x 3 1/2" x 1 1/2"	
RE750906	10	7 1/2" x 3 1/2" x 1 1/2"	1.05
RE750907	12	9 1/2" x 3 1/2" x 1 1/2"	
RE751604	12	9 1/2" x 3 1/2" x 1 1/2"	
RE751117	18	8 1/2" x 3 1/2" x 1 1/2"	
RE751118	21	10 1/2" x 3 1/2" x 1 1/2"	.90
RE751035	28	9 1/2" x 4 1/2" x 1 1/2"	
RE751037	21	10" x 4 1/2" x 1 1/2"	1.05
RE750921	18	9 1/2" x 4 1/2" x 1 1/2"	
RE751078	24	12 1/2" x 4 1/2" x 1 3/4"	.90
RE750908	21	9 1/2" x 3 1/2" x 1 1/2"	1.05
RE750909	27	12 1/2" x 3 1/2" x 1 1/2"	
RE750919	21	9 1/2" x 3 1/2" x 1 1/2"	.90
RE750915	12	9 1/2" x 2 1/2" x 1 1/2"	
RE750918	21	10 1/2" x 4 1/2" x 1 1/2"	1.05
RE750999	21	11 1/2" x 3 1/2" x 1 1/2"	
RE751416	21	12 1/2" x 3 1/2" x 1 1/2"	1.05
RE751607	21	11 1/2" x 4 1/2" x 1 1/2"	
RE750914	32	Rd. 9 1/2" dia. 1 1/2"	1.05

## GILMER MOULDED "V" BELTS

Gilmer refrigerator belts are built to fit. Their endless moulded rubber construction is a feature much to be desired. The sizes listed below have been selected inasmuch as they are standard for hundreds of refrigerator models on the market. By listing them in the manner below, we save you the trouble of going through long lists and specifications to find the belt you need. Simply check the size of your old belt and order from our listing. When ordering in lots of twenty-five or more, deduct 15%.

Stock No.	Size Inside Circumference	Your Cost	Stock No.	Size Inside Circumference	Your Cost
RE5905	47 1/2" x 1 1/2"	\$0.84	RE5691	54 1/2" x 1 1/2"	\$0.84
RE4365	34" x 1 1/2"	.61	RE5692	59 1/2" x 1 1/2"	.83
RE5976	44" x 1 1/2"	.88	RE5742	32 1/2" x 1 1/2"	.51
RE4340	31 1/2" x 1 1/2"	.58	RE5765	34 1/2" x 1 1/2"	.57
RE5990	46 1/2" x 1 1/2"	.83	RE5766	35 1/2" x 1 1/2"	.57
RE5114	42 1/2" x 1 1/2"	.49	RE5771	40 1/2" x 1 1/2"	.43
RE3380	36 1/2" x 1 1/2"	.91	RE5779	37 1/2" x 1 1/2"	.61
RE5148	48 1/2" x 1 1/2"	1.02	RE5781	39 1/2" x 1 1/2"	.64
RE5211	47 1/2" x 1 1/2"	.91	RE5747	43 1/2" x 1 1/2"	.81
RE5261	44 1/2" x 1 1/2"	.81	RE5802	34 1/2" x 1 1/2"	.48
RE5300	37 1/2" x 1 1/2"	.51	RE5804	36 1/2" x 1 1/2"	.49
RE5303	39 1/2" x 1 1/2"	.43	RE5808	37 1/2" x 1 1/2"	.59
RE5309	33 1/2" x 1 1/2"	.59	RE5811	32 1/2" x 1 1/2"	.39
RE5316	45 1/2" x 1 1/2"	.72	RE5837	53 1/2" x 1 1/2"	1.00
RE5390	74 1/2" x 1 1/2"	1.58	RE5843	31 1/2" x 1 1/2"	.32
RE5582	67 1/2" x 1 1/2"	1.11	RE5858	52 1/2" x 1 1/2"	.72
RE5650	57 1/2" x 1 1/2"	.79	RE5859	58 1/2" x 1 1/2"	.72
RE5412	63 1/2" x 1 1/2"	1.70	RE5860	44 1/2" x 1 1/2"	.43
RE5441	68 1/2" x 1 1/2"	.84	RE5863	43 1/2" x 1 1/2"	.43
RE5582	39 1/2" x 1 1/2"	1.11	RE5864	41 1/2" x 1 1/2"	.43
RE5683	65 1/2" x 1 1/2"	.98	RE5895	37 1/2" x 1 1/2"	.36
			RE5896	38 1/2" x 1 1/2"	.40

Chrome Plated Tray Fronts  
 RE8070—6 1/2" long, 2 1/2" wide, 3/8" bolt centers. Your Cost **43c**  
 RE8071—6 1/2" long, 2 1/2" wide, 3/4" bolt centers. Your Cost **35c**

## Aluminum Ice Cube Trays

New Aluminum Silver Satin Anodic finish all aluminum ice cube trays with grids. Numbers RE8037 and RE8040 are double depth and are supplied with two grids and a dividing plate. We have listed the sizes most commonly used.



Stock No.	No. Cubes	Overall Length	Width	Depth	Your Cost
RE8011	21	11 1/2"	4 1/2"	1 1/2"	\$0.60
RE8013	21	13 1/2"	4 1/2"	1 1/2"	.70
RE8004	18	9 1/2"	4 1/2"	1 1/2"	.55
RE8040	42	11 1/2"	4 1/2"	2 1/2"	1.65
RE8006	28	10 1/2"	5 1/2"	1 1/2"	.80
RE8037	56	10 1/2"	5 1/2"	3"	1.50

## Extra Special Heavy Copper Tinned Trays

RE8065	12	10"	3 1/2"	1 1/2"	.25
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## Enamel Defrosting Pans



Stainless white enamel finish. These sizes are most widely used for replacements.

Stock No.	Size	Your Cost
RE8080	10" x 8" x 2"	\$0.28
RE8081	12" x 7 1/2" x 2"	.41
RE8082	14 1/2" x 8 3/4" x 2 1/2"	.47
RE8083	16 1/2" x 9 1/2" x 2 1/2"	.54



# Household NEEDS!

## G. E. SIMPLEX COFFEE MAKER BREWS GOOD COFFEE

For a delicious cup of coffee use the Simplex Coffee Maker. No guessing, no maybe's. Employs the popular Vacuum Drip principle of brewing which brings out the rich flavor of the coffee, retaining the essential oils of the coffee bean. Just pour water in the lower container and coffee in the upper container, turn current on and when water begins to boil it is forced into the upper compartment. The brewed mixture then filters into the lower container, from which it is served. Bowls are made of high temperature glass, guaranteed against breakage from heat. Lower bowl furnished with black metal handle. Chromeplate fittings. Porcelain brick unit. Complete with silk cord and plug set. Shpg. wt., 5½ lbs.

XV18115—Six cup size.  
Your Cost.....**\$4.75**

XV18116—8 Cup Size.  
Your Cost.....**\$4.95**



## HANDY CLEANER AND DEODORIZER

For hard to get at places. Cleans mattresses, stair carpets, drapes, etc. Deodorizer Set repels insects and banishes odors. Shpg. wt., 9 lbs.

XS17780—Handy Cleaner, less Deodorizer Set.  
Your Cost.....**\$11.75**

XS17781—Deodorizer Set only. Your Cost.....**85¢**



## G. E. ELECTRIC RAZOR BLADE SHARPENER

Puts a keen new edge on used blades. Just place blade in position, close lid, and sharpener starts immediately and stops automatically when blade is sharpened. In black lacquered metal case. For 105-125 volts AC. Comes with 6-ft. cord and plug. Shpg. wt., 3 lbs.

XV18113—  
Your Cost.....**\$6.25**



## G. E. A-C-MATIC IRON

Fully automatic. Provides even ironing temperature rate for all types of material. Has Button Saving Naoks, Heel Stand, Thumb Rest and long life Calrod element. 6 lb. iron. Finished in Chromeplate. For 115-125 volts AC only. Shpg. wt., 9 lbs.

XV18110—Your Cost.....**\$3.85**

## G. E. VACUUM CLEANER

Just what the housewife needs—a cleaner that gets all the dirt, and is extremely simple to operate. The powerful motor driven brush brings deep lying dirt to the surface, combs and freshens the rug pile. Has beater front and rear wheels to facilitate operation. Air cooled motor requires no oiling. Adjustment screw provides correct nozzle height for all rugs. 7-blade fan provides powerful suction. Rubber bumpers protect furniture. Has pistol-grip handle with convenient switch. Shpg. wt., 30 lbs.

XS17782—  
Your Cost.....**\$22.45**



## G. E. HOTPOINT ELECTRIC MIXER

Mixes, beats, whips, stirs and chops foods. Has powerful 3-speed motor provided with tilt-back neck. Comes complete with two Pyrex bowls, double beater, drink mixer, juice extractor, extractor bowl and oil dropper. Finished in Green baked enamel. Easy to assemble. Shpg. wt., 18 lbs.

XV18342—  
Your Cost.....**\$16.45**



## G. E. NEW HOSTESS

Popular kitchen clock. Has self-starting synchronous motor, for use on 105-125 volts, 60 cycles AC current. Housed in attractive Beetleware case, finished in Ivory or Green. Size 7½" base, 2¼" deep. Specify color desired. Shpg. wt., 3 lbs.

XV18081—Your Cost.....**\$3.95**



## DETECTO "ACE" BATHROOM SCALE

Created in the modern manner—simple, dignified and beautiful. The "floating" rack brings the dial to a quick stop. Registers up to 300 lbs. Attractively finished in white, with black washable mat covering the platform. Guaranteed for five years. Shpg. wt., 10 lbs.

XS17745—Your Cost.....**\$3.45**



## COIFFURETTE HAIR DRYER

Dries your hair in a few minutes. Powerful motor-driven fan directs a current of warm or cold air. Motor weighs only 30 ozs. Finished in polished aluminum. Shpg. wt., 4 lbs.

XV18144—Your Cost.....**\$4.25**



## BOUDOIR IRON

For use when travelling. Made by Bersted. Weighs only 3 lbs. Has Nichrome long-life heating element. Complete with cord and plug. Shpg. wt., 4 lbs.

XV18145—  
Your Cost.....**\$1.49**

## ELECTRIC HEATING PAD

Provides even heat in three ranges—Low, Medium, High, governed by switch. Wet-proof eiderdown covering, linen sanitary cover. Shpg. wt., 3 lbs.

XV18345—  
Your Cost.....**\$2.85**



# HOUSEHOLD LABOR SAVERS!

## 1935 TOASTMASTER AND HOSPITALITY TRAY

Needs no watching—the Flexible Clock times the toasting automatically and pops up the finished toast as soon as it is finished.

The new Hospitality Tray is of wood, treated to resist acids and alkalis. Finished in mahogany, sycamore or walnut. The cutting block, with trimming and sizing knife, is finished the same as the Tray. Includes crystal clear glass dish with five compartments.

XV18117—Complete Outfit Two Slice Toastmaster and Hospitality Tray. Shpg. wt., 12 lbs.  
Your Cost **\$16.80**



### NATIONAL TOASTER

Turn-over type. Toasts two large slices at a time. Finished in bright chrome plate. Furnished complete with cord and plug set. Shpg. wt., 7 lbs.

XV18177—Your Cost **\$2.25**

### ELECTROMIX

#### A HOUSEHOLD NECESSITY

A combination Whipper and Mixer in one. Eliminates the tiresome task of beating or mixing by hand. Detachable stainless beater cleans instantly. Mixing unit plugs into any electric outlet. Shpg. wt., 8 lbs.

XV18124—Your Cost **\$1.15**



### THE ROYAL "CULINAIRE"

The most powerful Mixer-Chopper-Beater on the market today. Silent 1/2 H.P. motor is mounted in base—no oil or grease can drip into the bowl. All attachments fit directly on the main drive shaft. Comes complete with special Lynite bowl, 2 large beaters and one bowl cover. Motor for operation on 100 to 120

volts, AC or DC. Motor use on special voltages supplied at an additional \$1.50. Shpg. wt. 19 lbs.

XV18195—Your Cost **\$16.45**

XV18196—Grinder and Chopper—Your Cost **\$4.25**



### THE NEW GRILLETTE

A new and improved model of the famous Grillette that prepares your meal right at the table. Features include: Removable plates (makes for easy cleaning); a removable grease receptacle; new type cool handles. Unit is guaranteed for one year against burn-outs. Adjustable slide

with vertical catch permits toasting of "triple decker" sandwiches or thick steaks and chops. Available with either nickel plate or bright chromium finish. Size 10 1/2 x 5 1/2. Base 11 3/4 x 6 7/8. Shpg. wt., 8 lbs.

XV18126—Nickel Plated. Your Cost **\$1.59**

XV18127—Chrome Plated. Your Cost **\$1.89**



Two-Slice Toastmaster only. Shpg. wt., 7 lbs.  
XV18108—Your Cost **\$12.50**

One-Slice Toastmaster only. Shpg. wt., 7 lbs.  
XV18109—Your Cost **\$8.60**

### "MIRACLE" AUTOMATIC TOASTER

The last word in automatic toasters. Has only six working parts—no clockwork mechanism. Simply place two slices in compartment, turn dial, and "Miracle" does the rest. Makes any degree of toast, light, medium or dark. Finished in chrome plate and rich black enamel. Switch cord included. Shpg. wt., 6 lbs.

XV18176—Your Cost **\$6.95**



### HAMILTON BEACH ELECTRIC MIXER

A portable mixer that every woman will want. Motor tips back so that beaters drain into bowl. Beaters are easily removed. Finished in ivory and black baked-on enamel. Cost iron base, chrome plated beaters. Complete with opaque glass extractor bowl, two ivory mixing bowls, sanitary juice extractor and single agitator for mixing drinks in glass. Shpg. wt., 24 lbs.

XV18275—Your Cost **\$15.45**



### SUNBEAM MIXMASTER

The best known of all Kitchen Mixers. Has powerful multi-speed motor. Does everything in the line of mixing and beating. Shpg. wt., 26 lbs. XV18278—Your Cost **\$16.45**

XV18128—Food Chopper attachment. Complete with power unit, food chopper, 2 vegetable and 1 meat knife. Shpg. wt., 5 lbs. Your Cost **\$4.75**

### NATIONAL COFFEE-VAC COFFEE WITHOUT THAT METALLIC TASTE

The secret of the finest coffee that you can possibly make is the "controlled temperature" of the Coffee-Vac. It never boils... scientifically designed to brew coffee. Consists of six-cup Coffee-Vac with stove and cord set and chromium plated serving tray. Shpg. wt., 7 lbs.

XV18337—Your Cost **\$4.75**



Same as above, but with 10-cup Coffee-Vac.

XV18338—Your Cost **\$5.45**

6-Cup Coffee-Vac with Stove, but less tray.

XV18289—Your Cost **\$3.45**

10-Cup Coffee-Vac with Stove, but less tray.

XV18290—Your Cost **\$4.25**

### BERSTED WAFFLE IRON

A beautifully designed waffle iron finished in bright chrome plate. Has bakelite handles, fibre feet. Heat indicator mounted in front. Nichrome heating element, cast aluminum grids. Wide flaring base catches overflow. Grids 7 1/2. Shpg. wt., 7 lbs.

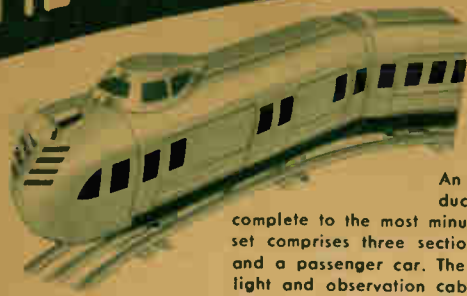
XV18175—Your Cost **\$3.25**



# MECHANICAL TOYS

# Hoge TOYS

# for GIRLS and BOYS!



### THE "STREAMLINE" TRAIN

An ultra-modern streamline train reproduced in beautiful chromium finish, and complete to the most minute detail. To see it is to want it. The set comprises three sections: a motor car, an observation car and a passenger car. The observation car has a built-in headlight and observation

cab. Newly designed couplers eliminate the usual space between the cars, and complete the streamline effect. A powerful motor operates the train and a 40-watt power transformer with a variable rheostat allows for absolute control at any speed. Each set is packed with eight pieces of curved and four pieces of regulation "0" gauge track (fits Lionel). Makes an oblong circuit 46" long and 26" wide with a circumference of 121 5/8". Length of train 29 1/2". Cars 3 1/8" high, 2 5/8" wide. Shpg. wt., 12 lbs. Complete "Streamline."

XV18399—Your Cost..... **\$6.75**



### AUTOMATIC BIRD TARGET

A popular shooting game for children or adults. Operated by a powerful spring motor. When bird is knocked down, another takes its place. Comes with 6 darts having rubber suction cups, and 2 steel guns. Target and motor of heavy steel. Shpg. wt., 5 lbs.

XS17349—Your Cost..... **98c**



### THE FIRE CHIEF

Has automatic fire siren, rubber tires, real headlights (bright and dim). Of heavy gauge steel with red enamel finish. Nickel plated trimmings. Size, 14 1/4 x 5 x 5 1/4". Shpg. wt., 6 lbs.

XS17355—Your Cost..... **\$1.25**



### THE POLICE CHIEF

Siren shrieks when car is pulled or pushed along. Real headlights controlled by switch. Four rubber tires. Finished in two-tone green with nickel plated trimmings. Size, 14 1/4 x 5 x 5 1/4". Shpg. wt., 4 lbs.

XS17354—Your Cost..... **98c**

### "POPULAR" SEWING MACHINE

Has every miniature feature necessary for a practical machine—mainly thread tension control, rotary shuttle and stitch adjuster. Takes Singer No. 14 needle. Sews chain stitch. Comes complete with table clamp. Shpg. wt., 3 1/2 lbs.

XS17392—Your Cost... **\$1.59**



### "STANDARD" MACHINE

Just the thing for the little Miss for making dolls' clothes and small repairs. Has same features as the above, but is more solidly constructed and mounted on a one-piece base. Shpg. wt., 6 lbs.

XS17391—Your Cost... **\$2.75**



### "BUSY BETTY" WASHING MACHINE

It actually washes. Grown ups can use it to wash handkerchiefs and other small articles. Has double agitation. All metal parts nickel plated. Ringer on swivel. Size, 10" high, 5" in diam. Shpg. wt., 7 lbs.

XS17353—Your Cost **\$1.59**



### STRUCTO TRUCK AND SHOVEL

Steam shovel can be turned to any position and set back or extended on truck platform or removed entirely. Solid rubber tires. Finished in red, green and orange. Size, 31 x 12 1/2 x 6". Shpg. wt., 12 lbs.

XS17587—Your Cost..... **\$1.75**



### STRUCTO DUMP TRUCK

Exact copy of a real dump truck. Dumping action controlled by lever. Entire load completely dumped. Heavy steel electrically welded. Light green finished. Size, 19 1/2 x 6 1/4 x 6 1/4". Shpg. wt., 6 lbs.

XS17585—Your Cost..... **98c**



### STRUCTO FARM WAGON

Heavy electrically welded steel construction. Will support 170 lbs. Swinging tail gate—removable sides. Green enamel body, white truck. Will last a lifetime. Size, 19 1/2 x 6 1/4 x 6 1/4". Shpg. wt., 9 lbs.

XS17586—Your Cost..... **98c**



### STRUCTO WRECKING AUTO

Crane can be detached from body, converting the wrecking auto into a merchandise truck. V type windshield and nickel plated radiator. Heavy gauge steel finished in white enamel. Equipped with headlights and one battery. Electrically welded. Size, 23 x 8 1/2 x 6 1/4". Shpg. wt., 7 lbs.

XS17584—Your Cost... **98c**

### STRUCTO PUMPING FIRE ENGINE

Squirts long stream of water. Has large water tank with rubber air compression bulb. 25 inch base has solid brass nozzle. Two extension ladders. Red and green headlights. Finished red and orange enamel. Size, 36 x 6 1/4 x 6 1/4". Shpg. wt., 6 1/2 lbs.

XS17576—Your Cost... **\$1.75**



# ERECTOR SETS for BOYS!



## No. 3 ERECTOR

Contains all parts necessary to build 75 models such as Ferris Wheel, Crane, etc. Instructor book included. Size, 18x10x3/4". Shpg. wt. 3 1/2 lbs. **XS17547—Your Cost \$1.50**

No. 4—Same as above, but with a powerful electric motor. Shpg. wt., 7 lbs. **XS17545—Your Cost \$2.95**

## No. 6 ERECTOR

This set can build boiler models. Contains powerful electric motor which operates on house current. No batteries or transformer to buy. Gear box fully controls the models. Provides fascinating entertainment. Shpg. wt., 15 lbs.

**XS17348—Your Cost \$4.45**

## No. 8 1/2 ERECTOR

The World's Champion. This model builds the giant 4 foot locomotive and tender, and 405 other models. Includes powerful electric motor. Instruction book included. Size, 29 1/4 x 10 1/4 x 5 1/2". Shpg. wt., 42 lbs. **XS17342—Your Cost \$18.75**

## GILBERT KASTER KIT

Any boy can cast his own soldiers, sailors, Indians and other toys. Just plug into any electric outlet and built-in heating unit does the rest. Equipped with one mould, 8 metal pipes, all necessary tools and instruction book. Shpg. wt., 12 lbs. **XS17330—Your Cost \$2.95**

## STEELBUILDER No. 1

For the little boy who shows mechanical inclination. This set contains girders, wheels and pulleys that can build over 100 different models such as Crane, Wagon, etc. Screw driver and all necessary nuts, bolts and washers included. Manual explains all operations in detail. Shpg. wt., 3 lbs. **XS17350—Your Cost 79¢**

## STEELBUILDER No. 5

For the older boys. Has four trays packed full of all the necessary shafts, pulleys, girders, mounting bases, etc., to build large working models of Steam Shovel, Ferris Wheel and other popular machines. All hardware and a serviceable screwdriver included. Book of Models shows how to carry out the design of an unlimited number of models. In box 17x13 1/4 x 2 1/4". Shpg. wt., 9 lbs. **XS17352—Your Cost \$3.75**

## STEELBUILDER No. 3

The Junior model. Has two trays packed with girders, shafts, wheels, pulleys, etc. Builds large models that work like the real machines. All necessary nuts, bolts, washers and screwdriver are included. Manual gives detailed description of each operation. Pack in cardboard box 15x10 3/4 x 1 1/4". Shpg. wt., 5 lbs. **XS17351—Your Cost \$2.25**



## OFFICE CLOCK

For stores, schools, offices, etc. Without wood case. Numerals can be seen at a distance. Guaranteed for one year. For use on 110 volts, 60 cycles A.C. 1 1/2" square. Shpg. wt., 12 lbs.

**XY18076—Your Cost \$3.95**

# ELECTRIC CLOCKS



## TIMEMETER KITCHEN MODEL

This shutter type model replaces the old dial and hands with large numerals which record time at a glance. Improved silent motor. In Ivory or Green wood case. 6 1/2" square. Shpg. wt., 4 lbs.

**XY18029—Your Cost \$2.49**

## GOTHIC BOUDOIR CLOCK

Style plus quality at a low price! Finished in striking combination of black and nickel. Guaranteed De Luxe motor, for 110 volts, 60 cycles A.C. Size 3 3/4 x 3". Shpg. wt., 3 lbs.

**XY18071—Your Cost \$1.20**



## "SUPERSTAR" IRON

A beautiful six pound stream line iron with tapered point. Two tone enameled handle. Finished in bright chrome plate. Terminals fit all standard cord sets. Shpg. wt., 8 lbs. Less cord.

**XY18167—Your Cost \$1.28**



## STA-LITE AUTOMATIC LIGHTER

Just unscrew the cap, and when air strikes the element a flame arises. Works outdoors as well as indoors. For cigarettes, pipes and cigars. In metal case finished in Black, Green, Red or natural chrome.

**XY18018—Your Cost**

**79¢**

Sta-Lite Fluid, per con

25c



## "GOLDYLOCKS" TALKING DOLL

Little Miss Goldylocks is almost human. She stands 28" high, and is all dressed up in "party" clothes—socks, shoes, panties, slip, dress with lace collar, pink hair ribbon and gold hair pins. She says "Mama" when she bends. Eyes close when she reclines. This little Miss will stand a lot of abuse without breaking. Shpg. wt., 10 lbs.

**XS17373—Your Cost**

**\$3.25**



## TOT BEAR

The little bear of the Three Little Bears. All Brown, with black nose and black eyes. Has soft plush hide. Mounted on steel chassis with four rubber lined wheels. Comes complete with leatherette leash. Shpg. wt., 9 lbs.

**XS17393—Your Cost**

**\$2.98**



## "FUZZY-WUZZY" DOG

So natural you expect it to bark. It is life size, measuring 12" high and 20" long. Brown with white face. Natural bred eyes. Mounted on steel chassis with four rubber lined wheels. Complete with leash. Shpg. wt., 9 lbs.

**XS17394—Your Cost**

**\$2.98**



# TOYS for BOYS!

## CHEMCRAFT THE CHEMICAL OUTFIT



### CHEMCRAFT No. 18 MICROSCOPE OUTFIT

This outfit contains an assortment of 16 different chemicals specially selected for use with the microscope. Also contains slides, cover glasses, dehydrated specimens, watch glasses, dissecting instruments, magnifying glass, and a powerful Microscope that magnifies 150 diameters. Objects are seen clearly, without distortion or eyestrain. Packed in mahogany finished wood cabinet with complete instructions for observation and much interesting information.

18x12x3 3/4". Shpg. wt., 10 lbs.  
XS17389—Your Cost.....**\$7.95**



### CHEMCRAFT No. 2

31 different chemicals and apparatus. Manual explains over 180 experiments. Shpg. wt., 3 lbs.  
XS17358—Your Cost.....**\$1.59**

### CHEMCRAFT No. 3 1/2

41 chemicals and apparatus. Manual explains over 265 scientific experiments. Shpg. wt., 4 1/2 lbs.  
XS17359—Your Cost.....**\$2.75**

### MICROSCOPE SET No. 6

Contains assortment of 16 chemicals and necessary slides, cover glasses, etc. Microscope magnifies 118 diameters without distortion. Book of instructions. Shpg. wt., 8 lbs.

XS17390—Your Cost.....**\$4.75**



### CHEMCRAFT No. 7 1/2

77 different chemicals packed in a leatherette case. Manual of instructions included. Shpg. wt., 9 lbs.  
XS17341—Your Cost.....**\$6.25**

### CHEMCRAFT No. 10

Contains 105 different chemicals in mahogany finished wood cabinet. Manual included. Shpg. wt., 11 lbs.

XS17362—Your Cost.....**\$7.95**

### CHEMCRAFT No. 5

Practically an entire chemical laboratory. 68 different chemicals in sturdy wood cabinet. Manual explains use. Size 19 1/4 x 11 1/2 x 2 1/2". Shpg. wt., 7 lbs.

XS17360—Your Cost.....**\$3.95**



### CONNECTICUT DUPLX DELUXE WALL PHONES

Very easily installed. Will operate efficiently up to 1000 feet. Signals are loud and clear. Two, three or four phones may

be connected in a circuit. Requires two No. 6 dry cells at each phone, or batteries may be located at one central point. Of heavy gauge metal finished in light green with nickel trim. Packed two in box with 100 feet of wire, staples and complete instructions. Shpg. wt., 6 lbs.

XM13565—Your Cost, per pair.....**\$5.95**

### DUPLX JUNIOR WALL PHONES

Similar to the DeLuxe model, but with single bell. Finished in a light brown. Packed two in a box, with wire, staples and instructions. Shpg. wt., 5 lbs.

XM13546—Your Cost, per pair.....**\$4.95**

### FRENCH DUPLX CRADLE PHONES

These popular cradle type French phones have the same characteristics as the DeLuxe wall phones. Of heavy metal, finished in light green. Full instructions included. Shpg. wt., 8 lbs. List \$8.50.

XM13440—Your Cost.....**\$5.95**



### CATAPULT, AEROPLANE AND HANGAR

When lever is depressed, plane is shot out from 15 to 20 feet. Hangar grey with red and black trim; plane yellow with red wings. Size 12x6x8". Shpg. wt., 7 lbs.

XS17382—Your Cost.....**\$2.10**



### AMERICAN FLYER TYPEWRITER

Operates like a real one. Has movable carriage, standard keyboard, and takes standard size paper. Shpg. wt., 4 lbs.

XS17388—Your Cost.....**\$1.89**



### ELECTRIC EXPRESS CRUISER

All metal, electrically driven and lighted. Four dry cells drive the boat for 15 miles and speed lever allows for 2 speeds forward, 2 reverse and neutral position. Enameled in ivory and green. With 4 batteries and bulb. Length 18". Shpg. wt., 9 lbs.

XS17322—Your Cost.....**\$1.79**

### "MICROPHONE SAM" THE DANCING ROBOT

Get acquainted with "Microphone Sam". He performs an appropriate jig in time with speech or music, and cannot fail to amuse and entertain. Outfit consists of a microphone, a vibrating unit with an "on-off" switch, four standard Eveready flashlight cells, and, of course, "Dancing Sam". You can talk, sing or whistle into the microphone, or you can place it near the radio loudspeaker. You can conceal the microphone and activate the dancer so that he appears to be able to think and obey orders. Can be assembled in a few minutes time without the need for any tools. Full instructions for use are included. Comes complete with four batteries. Shpg. wt., 4 lbs.

XM14504—Your Cost.....**\$3.75**



### BUILD-A-MOTOR

Every boy will enjoy building and using this powerful electric motor. Comes with pulley for driving toys, a grinding wheel and a buffer. Blueprint diagram furnished. Works on house current. Shpg. wt., 6 lbs.

XS17399—Your Cost.....**\$1.49**



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Hold your job until you're ready for another. Give me only part of your spare time. You do not need a high school or college education. Hundreds with only a common school education have won bigger pay through N. R. I. J. A. Vaughn jumped from \$35 to \$100 a week. J. E. McLaurine increased his earnings 100 per cent. The National Radio Institute is the Pioneer and World's Largest organization devoted exclusively to training men and young men by Home Study for good jobs in the Radio industry.

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Before taking your Radio Course I was making \$18 a week. I came here three years ago. In about 18 months I made about \$4500 in Radio. I cannot say too much for the wonderful help I have received from N. R. I.

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My Course is not all theory. I'll show you how to use my special Radio equipment for conducting experiments and building circuits which illustrate important principles used in such well-known sets as Westinghouse, General Electric, Philco, RCA, Victor, Marconi, and others. You work out with your own hands many of the things you read in our lesson books. This 50-50 method of training makes learning at home easy, interesting, fascinating, intensely practical. You learn how sets work, why they work, how to make them work when they are out of order.



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I will give you an agreement to refund every penny of your money if you are not satisfied with my Lesson and Instruction Service when you complete my Training. And I'll not only give you thorough training in Radio principles, practical experience in building and servicing sets, but also Advanced Specialized Training in the type of Radio work you choose.

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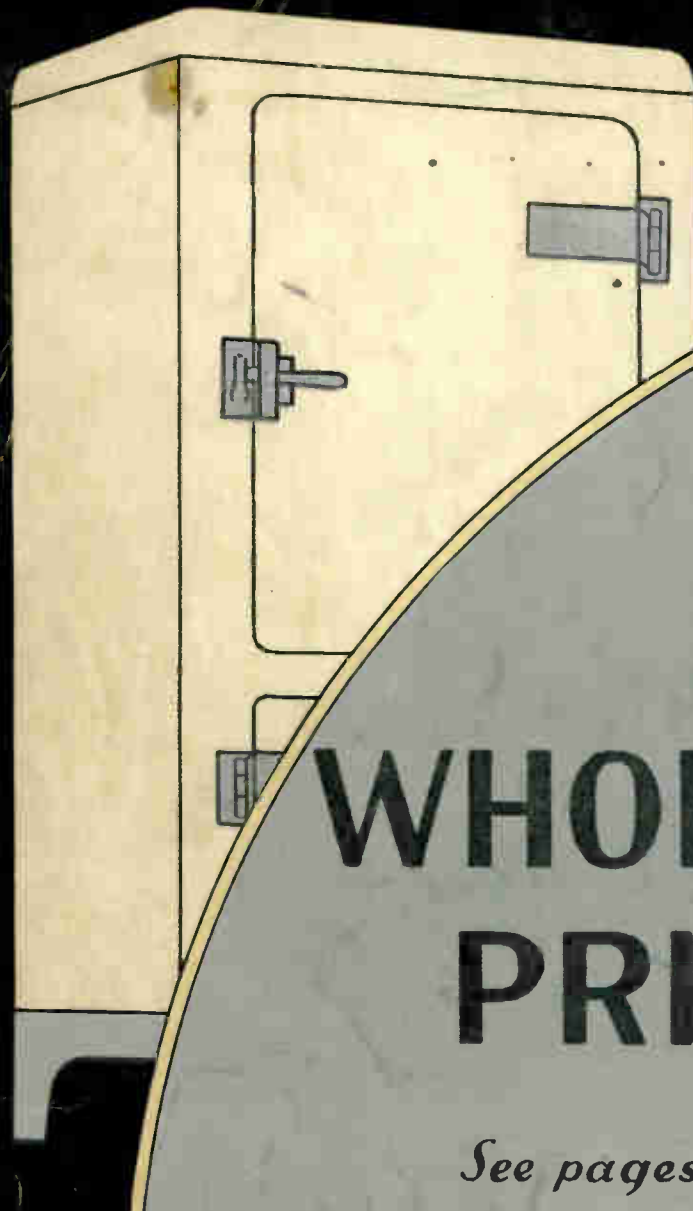
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