

LAFAYETTE THE RADIO



**MONEY-SAVING  
RADIO VALUES**

- Public Address Equipment ·
- Radio Sets · Refrigerators
- Replacement Parts · Tubes
- Electrical Appliances, Etc.

**1936**

CATALOG No. 63 . . . another milestone in 15 long years of dependable service! Offering consistently since 1921 the greatest values in radio — public address — refrigeration — and electrical appliances.

Large clean stocks of merchandise . . . an organization keyed for fast accurate service . . . and a warm personal interest in serving you to the best of our ability . . . explain our consistently superior service.

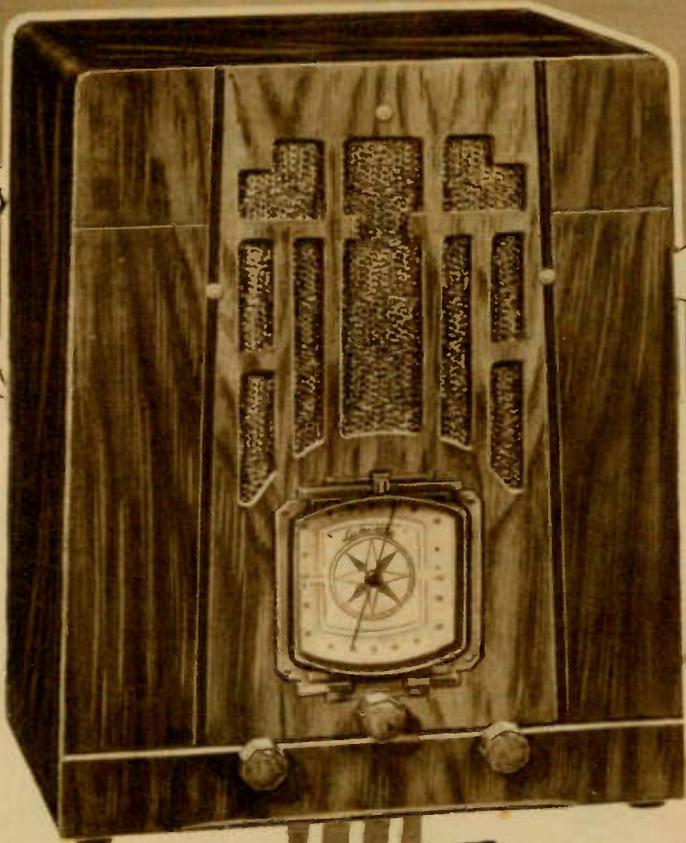
**WHOLESALE RADIO SERVICE CO. INC.**

- CHICAGO, ILL. • NEW YORK, N.Y. • ATLANTA, GA.
- 901 W. JACKSON BLVD. • 100 SIXTH AVE. • 430 W. PEACHTREE ST. N.W.
- BRONX, N.Y. • NEWARK, N.J.
- 542 FORDHAM RD. • 219 CENTRAL AVE.

# 5 Tube A.C. SUPERHET

3 Bands

An Outstanding VALUE



**BROADCAST**  
200 TO 560 METERS  
**POLICE**  
66 TO 187 METERS  
**FOREIGN**  
16 TO 50 METERS

BY  
*Lafayette*

REAL A. V. C.

FULL TONE

3 WATTS OUTPUT

WITH ELECTRO-

USES HIGH-GAIN,

DYNAMIC SPEAKER;

MULTI-PURPOSE TUBES

30-DAY FREE TRIAL OFFER.

\$15<sup>75</sup>

In keeping with our policy of offering the greatest value at the lowest possible price, we are presenting this phenomenal buy as the outstanding receiver value for 1936. The technical features of this set represent the latest developments in the radio field—compare them on a dollar-for-dollar basis.

The circuit is a powerful, modern 3-band superheterodyne employing five high-gain, multi-purpose tubes of the very latest design; they function as follows: a 6A7 detector-oscillator, a 6D6 i.f. amplifier, a 75 2nd detector-automatic volume-control-1st audio amplifier, a 42 as a pentode power amplifier, and an 80 as a rectifier.

Three individual coils, controlled by a trouble-proof switch on the front panel, cover these bands: 8 to 18.8 megacycles (16 to 50 meters), 1.6 to 4.5 mc. (66 to 187 meters), and 535 to 1500 kilocycles (200 to 560 meters). A scientifically calibrated, full-vision, illuminated airplane dial is so marked as to permit anyone to tune this receiver. Three scales in black, red and green read in meters, kilocycles and megacycles with special areas clearly indicated for the more widely used foreign bands. Vernier control is provided for critical tuning and a double knife-edge pointer adds to tuning ease.

The use of the powerful 42 pentode amplifier in the last stage produces 3 watts of undistorted energy for the high-quality 6" electro-dynamic loud speaker. You can listen to a program reproduced with all its original beauty, and with every orchestral instrument contributing its share to your pleasure.

Automatic volume control, a feature found only in high-priced receivers, keeps fading at a minimum, prevents blasting and insures uniform volume. Other features include a cushion-mounted tuning condenser and a completely shielded chassis.

The entire unit is housed in a handsome cabinet of selected hardwood, beautifully grained and finished; its dimensions are 14" high, 11 1/8" wide and 7 7/8" deep. A complete circuit diagram is furnished with each receiver. Designed for 110-125 volts, 60 cycle a.c. operation only.

**Model C-25** — Lafayette 5-tube, 3-band receiver complete with all tubes and full operating instructions. Shpg. wt. 21 lbs. Code, WAFAR.

List Price, \$33.90

Your Cost

**\$15.75**

Add \$2.00 For 220-Volt Operation

# 5 TUBE A.C. Superhet

# Lafayette

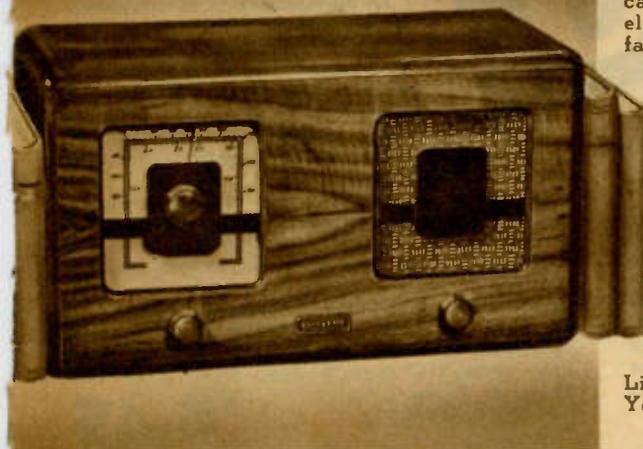
An Excellent Book Case Model

## 2 Wave Bands

**BROADCAST**  
200 to 550 METERS

**AMATEUR & POLICE**  
75 to 200 METERS

\$14.95



**T**HE Lafayette 5 Tube A.C. Superheterodyne is an amazingly powerful receiver that provides both short wave and standard American broadcast entertainment. The short waves are covered by a range from 75 to 200 meters (4000 to 1500 kc.), bringing in a multitude of amateur call, police broadcasts, etc.; the broadcast band, covering from 200 to 550 meters (1500 to 550 kc.), brings in the standard American programs—the finest radio entertainment available. Reproduction is lifelike in quality—you can listen for hours with utmost enjoyment.

The advanced superheterodyne circuit, incorporating a total of six tuned circuits, makes use of the following five tubes: one 6A7 1st detector and oscillator; one 78 i.f. amplifier, one 76 2nd detector, one 42 output tube and one 80 rectifier.

For simplified tuning, a giant full vision dial with a knife blade pointer is used. The dial has each band individually calibrated. Other features include the use of a matched electro-dynamic speaker; a powerful circuit to minimize fading and "blasting" between stations; a three gang variable tuning condenser; a two-position band switch. Three knobs control all receiver operations. The power output of approximately 3 watts is more than sufficient for all household needs.

### "BOOK CASE" CABINET DESIGN

The handsome mantel cabinet used to house the chassis and speaker is constructed using a fine quality hardwood, and has the modern rounded corners. The size makes it ideal for placing in one of the shelves of a bookcase, as indicated by the illustration above.

The cabinet measures 14 1/4" wide, 8" high and 7" deep.

**Model A-41—Lafayette 5 Tube A.C. Superheterodyne receiver complete with tubes in cabinet. For 110 volts, 60 cycles a.c. Shpg wt 16 lbs. Code WURTE**

List \$29.90  
Your Cost

**\$14.95**

Model for 220 volts at an additional \$1.75

**T**HE Lafayette 6 Tube A.C.-D.C. Superheterodyne is a modern receiver combining a powerful, high quality receiver with a cabinet that cannot fail to please the most critical taste. And, it is offered at a price that makes it the outstanding value today—there is no finer receiver in its price class available on the market.

### POWERFUL SUPERHETERODYNE CIRCUIT

Six of the latest type high gain tubes are employed in a modern superheterodyne circuit. These include one 6C6, one 6D6, one 6A7, one 43, one 25Z5 and one 50B2 ballast. The use of a ballast tube eliminates the annoying "hot line cord." A power output of approximately 2.5 watts, more than enough for any home, is handled by a matched electro-dynamic speaker.

### WORKS ON EITHER A.C. OR D.C.

Regardless of what type of voltage is available in your locality, you need have no fear of plugging this set in. It operates equally well on d.c. or a.c., 110 volts. This feature is also valuable to the traveler, since the set can be used in practically every place supplied with electric power.

In addition to covering the standard American broadcast band from 200 to 550 meters (1500-550 kc.), the receiver brings in short wave stations in the 75 to 200 meter range (4000 to 1500 kc.). This short wave band brings in any number of interesting and entertaining amateurs, police calls, etc.

Features include: an airplane type dial with both bands calibrated; a band switch on the back of the chassis; built-in aerial; cushion mounted condenser.

The cabinet employed to house the receiver presents a striking picture. The inclined center panel houses all controls, and gives the effect of a keyboard organ—neat and distinctive.

**Model AS-6—Lafayette 6 Tube A.C.—D.C. Superhet complete with tubes in cabinet. Size 8 1/2 x 12 x 6". Shpg. wt. 14 lbs. Code CIVES**

**\$16.45**

Your Cost

220 Volt adapter for above \$1.00 additional

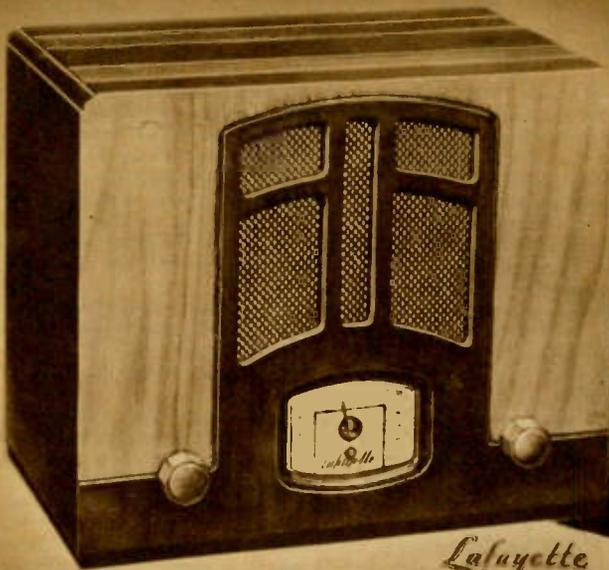
## New ORGAN TYPE CABINET

\$16.45 **2 Wave Bands**  
200 to 550 METERS  
75 to 175 METERS



## 6 TUBE A.C.-D.C. Superhet

# Lafayette



Lafayette

# 4 TUBE AC-DC with Dynamic Speaker

Built-In Aerial—Two-Tone Cabinet  
Pentode Power Output  
New Airplane Dial with Unbreakable Lens

\$8.45

Covers the broadcast band completely from 200 to 550 meters, (545-1500 kc.).

Tuning is accomplished with a new type full-vision, illuminated airplane dial equipped with a non-shatterable lens.

In appearance it is extremely attractive; the cabinet is finished in two-tone, knobs are of mahogany finished Bakelite, grille is of brown semi-silk and cabinet top is fluted.

The complete unit presents a simple design and one that will blend pleasantly with any home.

We know of nothing that will furnish as many hours of pleasurable entertainment for the investment as this Lafayette receiver—you will find it a worthy member of our quality family.

**Model J-11**—Lafayette 4-tube, tuned radio-frequency receiver, complete with tubes. For operation on 110 volts, a.c. or d.c. Dimensions: 10 5/8" wide, 8 1/2" high, 6" deep. Code, TRAVES. Shpg. wt. 10 lbs.

List Price, \$14.90

Your Cost

**\$8.45**

**A**DVANCED radio engineering principles and production methods make possible this phenomenal value. Nothing within its price range can touch it for tone quality, sensitivity and selectivity.

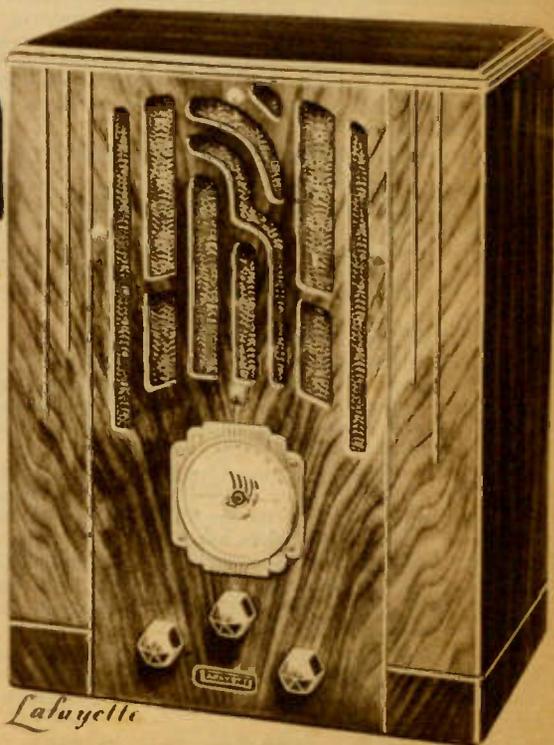
It employs four of the latest type tubes in a stable tuned radio-frequency circuit: 1-6D6, 1-6C6, 1-2SZ5 rectifier and a 43 power pentode amplifier tube. This tube in conjunction with a matched dynamic speaker is responsible for the excellent tone quality obtainable from this little wonder. A built-in aerial permits this set to be taken anywhere wherever there is a 110-volt source of current, either d.c. or a.c. This makes it an ideal set for the traveler, tourist, or for the kitchen, den or bedroom.

# 4 TUBE AC DUAL WAVE RECEIVER

75 to 550 Meters

\$10.75

New Illuminated Airplane Dial



Lafayette

**T**HIS new Lafayette 4-tube a.c. receiver has been designed for short and standard-wave reception and offers complete coverage from 75 to 550 meters, (545 kc.-4 mc.). This remarkable little receiver brings in many dozens of stations on the short waves covering police, amateur, aircraft and commercial stations.

It employs an advanced tuned radio frequency circuit using 1-6C6, 1-6D6, 1-42 pentode power output and a 80 rectifier. Tuning is simplified by the use of a full-vision, illuminated airplane dial.

Quality of reproduction is excellent. A matched electro-dynamic speaker produces more than enough volume with the utmost fidelity. Tones are round and brilliant rather than flat and lifeless. You will be delighted by the increased pleasure to be derived from this receiver; DX'ing still holds innumerable hours of thrills.

Construction and appearance are typically Lafayette throughout—technically up-to-the-minute, sturdy, built for long-life and quality performance. Housed in a beautiful hardwood cabinet with knobs to match.

**Model J-85**—Lafayette 4-tube, dual-wave, tuned radio frequency receiver, complete with tubes. For 110 volts, 50-60 cycles a.c., only. Dimensions: 10" wide, 13" high, 6 1/2" deep. Code, KOBAS. Shpg. wt. 14 lbs.

List Price, \$21.50

Your Cost

**\$10.75**

Tone quality that makes hours of listening a delight—sensitivity and selectivity that result from character design and workmanship.

**T**HE Lafayette 5 tube a.c.-d.c. receiver is a compact set that really does a big job. The low price quoted gives no indication of the entirely satisfactory performance of which it is capable—we can only say, when you own one, you will be sure to take pride in its possession.

**TIME TRIED T.R.F. CIRCUIT**

The circuit employed is the "old reliable", time tried t.r.f., and it provides exceptionally fine tone quality. Five tubes are used, including one 6C6, one 6D6, one 43, one 25Z5 and one 50B2 ballast. The use of a ballast tube eliminates the "hot" line cord. The set output is efficiently handled by the matched electro-dynamic speaker, and will fill large rooms with clear, lifelike tones. The frequency range of the receiver covers the standard American broadcast band from 200 to 550 meters (1500 to 550 kc.). The set aerial is built-in.

**OPERATES ON A.C. OR D.C.**

The power supply of the receiver is such that it will operate equally well on either 110 volts 60 cycles a.c. or 110 volts d.c. This feature is important to those who take radio receivers on their travels, since this set will operate in all but a few rare cases where special voltages are found.

The cabinet and accessories make a fit setting for this remarkable receiver. A square type, full vision dial with a knife edge pointer makes tuning simple. The cabinet is constructed in a modernistic manner with pleasing rounded edges. Fine quality hardwood veneers, rubbed to a high polish, are used. Matched knobs and a decorative grille enhance the overall appearance. The entire assembly is small enough to be carried around in a grip or carrying bag.

**Model J-17**—Lafayette 5 Tube a.c.-d.c. receiver complete with tubes, in cabinet. Operates on 110 volts a.c. or d.c. Size 11" wide, 8 3/4" high, 6" deep. Shpg. wt. 11 lbs. Code EDEDE. Your Cost **\$9.95**

220 Volt Adapter \$1.00 additional.

New Square Dial  
Fine Tone Quality  
Dynamic Speaker



**9.95**

**5 TUBE AC-DC**  
MODERNISTIC CABINET  
NEW SQUARE TYPE DIAL

LAFAYETTE

**6 TUBE AC-DC SUPERHET**

**\$13.75**



Models for 220 volts available at \$1.00 additional.

**EUROPEAN MODEL**

**Model J-40**—Same as model J-38, but with 186 to 555 and 750 to 2000 meter ranges. No short wave band. With tubes. Code ELMAN. Your Cost **\$17.95**

**SHORT AND LONG WAVE RANGES AVAILABLE**

**O**NE of the most popular in the line of Lafayette midget receivers, this 6 tube a.c.-d.c. set incorporates many modern circuit features that make it an exceptional buy. It brings in stations as clearly and with as much fidelity as many of the larger sets offered on the market today.

Two of the latest types of metal jacket tubes are used in the powerful superheterodyne circuit. These are: one 6A7 as mixer-oscillator and one 6D6 as i.f. amplifier. The other tubes consist of one 6J7 second detector, one 43 output tube, one 25Z5 rectifier and one 50B2 ballast tube. A matched dynamic speaker handles the output. The latest square type full vision dial is used to make tuning easy. The cabinet, constructed of fine hardwood veneers, features the popular and pleasing round effect.

Three models are made, to meet every possible requirement. The broadcast model covers the standard American broadcast band from 186 to 555 meters (1610-540 kc.). A short wave model incorporates a range from 16.6 to 52.7 meters (1800 to 5700 kc.), bringing in the popular European broadcasts, in addition to the standard American broadcast band. The third model covers both the American broadcast and the standard European broadcast wavelengths from 186 to 555 and from 750 to 2000 meters.

**Model J-38**—Lafayette 6 Tube a.c.-d.c. superhet complete with tubes in cabinet. American broadcast range, 200-550 meters. For 110 volts a.c. or d.c. Size 11 x 8 1/2 x 6". Shpg. wt. 15 lbs. Code EFATE. Your Cost **\$13.75**

**SHORT-WAVE MODEL**

**Model J-39**—Same as model J-38, but with 16.6 to 52.7 and 186 to 555 meter ranges. Complete with tubes. Code EKIRE. Your Cost **\$17.45**



*Lafayette*

## 7 TUBE AC-DC SUPERHET DOMESTIC AND FOREIGN RECEPTION

**\$19<sup>25</sup>** Uses Two Dual Output  
Pentodes and  
Electro-Dynamic Speaker

WHEN we say that this set is phenomenal value for the money as well as an outstanding technical product, we back up our statement with the following evidence: 7 modern, high-gain tubes—1-6A7, 1-6D6, 1-76, 2-43's, 1-25Z5, 1-R4 in a powerful superheterodyne circuit; 2 tuning bands, 5.5 to 16.5 mc., (19.4 to 54.5 meters), and 550 to 1600 kc., (188 to 545 meters); large crystal enclosed illuminated airplane dial with vernier drive; ball-bearing condenser, powerful 5" dynamic speaker, and other features too numerous to list here.

The cabinet is of American walnut with band inlay of oriental crossfire walnut; it measures 12½" high, 11¾" wide, 6¼" deep, and is beautifully finished. For 110 v. only. **Model JB-3**—Lafayette 7-tube a.c.-d.c. superhet, with tubes. Shpg. wt. 16 lbs. Code, INVET. **\$19.25**  
Your Cost.....

220 volt adapter at \$1.00 additional.

## AC-DC PORTABLE

*Lafayette*

FIVE Tubes  
Built-In Aerial  
Dynamic Speaker **\$10<sup>95</sup>**

A SMART item of gray airplane cloth luggage, as well as a highly efficient receiver for the traveler or tourist. It utilizes a high-gain, t.r.f. circuit using 5 modern tubes: 1-6D6 1-6C6, 1-25Z5, a 43 power pentode and a 50B2 ballast. The latter eliminates the troublesome "hot" line cord. Excellent reproduction is obtained from a matched dynamic speaker, and the selectivity and sensitivity will satisfy the most critical. A built-in aerial permits this set to be placed in operation in a few moments wherever there is a 110-volt outlet—a.c. or d.c. A leather carrying handle and a nicked snap-lock complete the picture. Wavelength range, 200-550 meters (550-1500 kilocycles). Weighs only 6½ lbs. complete.

**Model J-16**—Lafayette a.c.-d.c. portable 5-tube t.r.f. Size: 6¾" high, 8¾" wide, 6¼" deep. With tubes. Code, ECANT. Shpg. wt. 12 lbs. **\$10.95**  
Your Cost.....

220 v. adapter at \$1.00 additional



*Lafayette*

## 5 TUBE AC-DC Compact

**\$8<sup>95</sup>** Built-In Flexible Antenna  
RCA Licensed Dynamic Speaker

THE Lafayette Compact is a 5-tube, a.c.-d.c. receiver employing a high-gain tuned radio-frequency circuit licensed by RCA and Hazeltine.

The tube complement, which includes one of the metal-jacket type, consists of 1-6D6, 1-6C6, 1-12Z3, 1-50B2 and a 43 pentode power amplifier. The performance of this little fellow will surprise and delight you.

Tone quality is excellent due to the use of an electro-dynamic loud speaker; and its sensitivity and selectivity are remarkably effective.

A full-vision airplane dial is calibrated in kilocycles and tenths. The set's size, 9¾" high, 5⅝" deep, 6¾" wide, and its built-in aerial make it ideal for the traveler or wherever there is a 110-volt source of current. Its neat cabinet will harmonize with any furnishing.

**Model AS-5**—Lafayette 5-tube a.c.-d.c., t.r.f. broadcast receiver. For 110 volts a.c. or d.c. Shpg. wt. 12 lbs. Complete with tubes. Code, CIMAS. List Price, \$17.90 **\$8.95**  
Your Cost.....

Available for 220-volt operation—add \$2.00



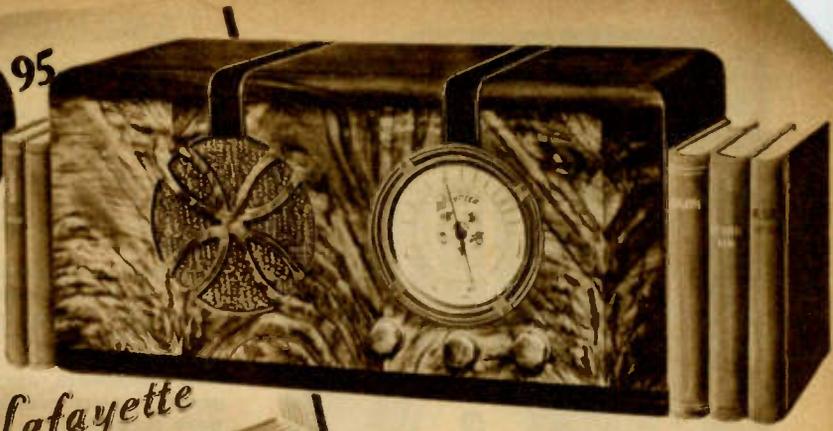
**6 TUBE AC Superhet** \$19<sup>95</sup>

MODERN Bookcase MODEL

**3 BANDS**

BROADCAST 200-560 METERS  
 AMATEUR AND POLICE } 66-187 METERS  
 FOREIGN } 18-50 METERS

*Lafayette*



LAFAYETTE presents, in this model, technical achievement, a beautiful product of the better school of modern cabinet design finished to blend with the surroundings in the finest home, and certified-quality to suit the musically fastidious—plus utility.

Its dimensions, 19 1/4" long, 9 3/8" high, 3 3/4" deep, permit it to be placed in the average book-case, yet, technically, it is a highly efficient superheterodyne with 6 modern high-gain tubes. They consist of: 2-6D6's, 1-75, 1-76, 1-6B5 and an 80. A full 6" dynamic speaker is capable of full-range reproduction. The three bands listed above are tuned by a handsome, fully illuminated, 4 1/2" airplane dial which controls a three-gang tuning condenser—sensitivity and selectivity for the most ardent DX fan. Automatic volume control reduces fading to a minimum and prevents blasting. Reception on any of the three bands is controlled by a simple control-knob on the front panel which offers the thrill of nation-hopping at the twist of your hand.

Full-range reproduction—European reception with room-filling volume hand-finished, mirror-like, exquisitely grained cabinet—Lafayette long-life quality—at a price for all. **Model D-8**—Lafayette 6-tube, 3-band superheterodyne, for 110 volts, 50-60 cycles a.c., only Complete with all tubes and full operating instructions. Code WOLVE. Shpg wt 23 lbs. **\$19.95**  
 Your Cost add \$2 (U)  
 For 220-volt

*Lafayette* **6 TUBE Superhet**  
**5 BANDS** *Tunes in the World!*

**T**HIS new 1936 five-band a.c.-d.c. superheterodyne by Lafayette is a masterpiece of modern receiver development and an object of eye-arresting beauty. Here is truly a superb achievement which will thrill the music-lover and delight the seeker of dependable world-wide reception.

It includes within its tuning range every short, standard and long-wave broadcast station in the world, in addition to aircraft, amateur, ship-to-shore, police and other fascinating fields. It has continuous coverage from 13 to 550 meters, (545 kc.-23 mc.), and covers the 850-2000 meter (150-355 kc.) band—five bands that will take you to the corners of the globe.

**METAL TUBES USED**

Technically, six modern high-gain tubes, including all-metal types, have been incorporated in a new superheterodyne circuit: 2-6K7's, 1-6A7, 1-75, 1-43 and a 25Z5 rectifier. A high-quality amplifier is capable of feeding a full 8" dynamic speaker with sufficient power for thrilling reproduction. Other features are: illuminated, reduction-drive, vernier airplane dial, wide-range tone control, phonograph jack, automatic volume control and seven tuned circuits.

This receiver is not to be confused with so-called midgets that sell at "bargain" prices. This is a REAL receiver, engineered by Lafayette with a view toward providing you innumerable pleasure-filled, trouble-free hours of reception.

**Model A-18**—Lafayette 6-tube, 5-band superheterodyne complete with tubes in mantel cabinet illustrated at right. Dimensions: 13" wide, 8" deep, 16 1/2" high. For 110 volts a.c. or d.c. Code, WERGA. Shpg. wt. 23 lbs. List Price, \$59.90 **\$29.95**  
 Your Cost

For 220 or 250-volt operation add \$1.00

110 VOLT AC - DC



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

Including:  
**THE NEW  
 Metal TYPE  
 TUBES**

## AMERICAN and EUROPEAN Models Available

**N**OW, whether you live in Europe or America, you can enjoy world-wide radio reception through the medium of this remarkable Lafayette 7 tube a.c.-d.c. superheterodyne. Two separate models of this receiver, one for American and one for European use, are available, and both provide the ultimate in enjoyable and powerful reception.

Three tuning bands are provided in each model, so that world-wide coverage is obtained. The American model covers the following wave lengths: 18.7 to 56.5 meters (16000-5300 kc.); 67.5 to 193.5 meters (4450-1550 kc.); 186 to 560 meters (1610-535 kc.). Thus, all short waves, police calls, amateurs, etc., plus the American broadcast programs, are available. The European model cover the wave lengths from 18.7 to 56.5 meters (16000-5300 kc.); 186 to 560 meters (1610-535 kc.); 793 to 2110 meters (378-142 kc.). This range covers the popular short wave band, the standard American broadcast band and the European broadcast band

### USES SEVERAL METAL TUBES

Seven of the latest dual purpose tubes, including two of the all-metal types, are used. These include: 1-6A8 dual purpose oscillator and mixer, 1-6K7 i.f. amplifier, 1-75 dual purpose 2nd detector, a.v.c. and audio amplifier, 1-43 output tube, 1-2S25 rectifier, 1-2Z3 speaker field exciter, 1-50A2MG ballast.

**\$25.95**

COMPLETE WITH TUBES

**7 TUBE AC·DC**

*All Wave* **RECEPTION**  
with  
**METAL TUBES**

Notable among the features of this set are: powerful a.v.c.c circuit; matched 6" dynamic speaker; large airplane dial with each band individually calibrated; highly polished modern type cabinet of distinctive design.

**Model J-79**—Lafayette American model 7-tube compact receiver, complete with tubes. For 110 volts a.c. or d.c. Dimensions: 12 $\frac{1}{4}$ " wide, 7 $\frac{3}{4}$ " deep, 12 $\frac{3}{4}$ " high. Shpg. wt. 21 lbs. Code EKOSA.

List \$51.90

**YOUR COST**

**\$25.95**

**Model J-80**—Lafayette European model 7-tube compact, complete with tubes. For 110 volts a.c. or d.c. Code EMROB.

List \$51.90. **YOUR COST**

**\$25.95**

Both available for 220 volt at \$1.00 extra.

### COMBINATION PHONO-RADIO MODELS

Radio reception, of course, is not the only form of entertainment available, and for this reason, combination radio-phonograph models using the above 7-tube a.c.-d.c. receiver have been designed by Lafayette engineers. Now, recordings of all the famous artists of present and past can be brought into your homes with the same high degree of fidelity provided by the radio.

A universal phonograph motor, operating on 110 volts a.c. or d.c., is used in conjunction with a new type electro-magnetic pick up. Any 78 r.p.m. record, either 10" or 12", can be played. The phono-compartment cover houses a record carrying case that holds at least a dozen large records. The entire instrument is housed in a Fabricoid carrying case with special drop front panel over the speaker grille; so that it is unnecessary to remove any part of the case when using either radio or phonograph.

**Model J-81**—Lafayette American model 7-tube a.c.-d.c. phono-radio combination complete with tubes. For 110 volts a.c. or d.c. In Fabricoid case 27 $\frac{1}{2}$ " long, 13 $\frac{1}{2}$ " wide, 10 $\frac{3}{8}$ " deep. Shpg. wt. 45 lbs. Code ETAIE. List \$105.00

**YOUR COST**

**\$52.50**

**Model J-82**—Lafayette European model 7-tube a.c. or d.c. phono-radio combination complete with tubes. For 110 volts a.c. or d.c. Shpg. wt. 45 lbs. Code EUVUS. List \$105.00

**YOUR COST**

**\$52.50**



**AC·DC**  
**Portable Phono-Radio**  
*Combination*

### IN MODERN LUGGAGE CASE

Either of the phono-radio combination models can be purchased housed in a beautiful case constructed in the modern manner. These cases are in mottled brown leatherette with contrasting lines of deep brown. Either model in "modern luggage" case at an additional \$2.50.

If desired with high fidelity crystal pick-up add \$3.50. 220 volts models (for all models) additional \$3.00.

# LAFAYETTE *Mantel*

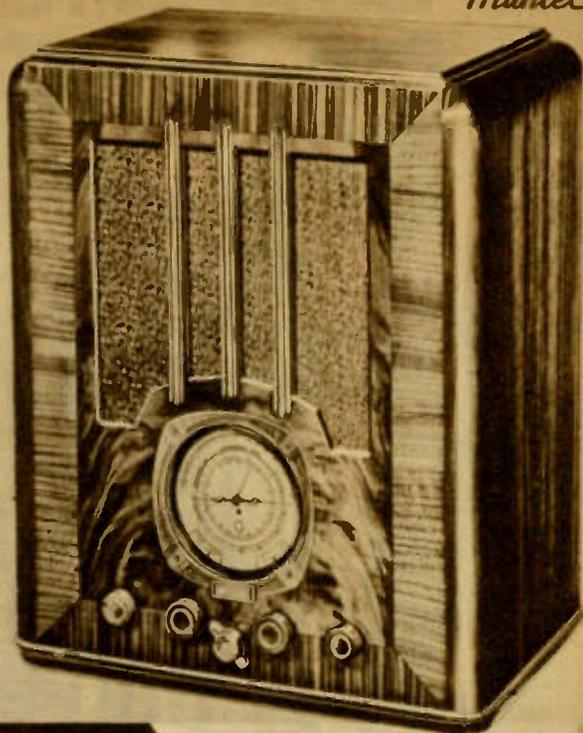
HERE is a new 7-tube high-fidelity all-wave receiver that is truly a "Radio Robot". It practically thinks for itself—sees for itself—acts for itself! Its beautifully grained, hardwood, hand-finished cabinet will add to the appearance of any home, and its mechanical and electrical construction is the last word in the field of radio research and design.

Space limitations permit only a brief outline of its many modern features: Seven tubes (4 all-metal type), are incorporated in the very latest superheterodyne circuit which employs a stage of r.f. amplification, automatic volume control, high-fidelity band-width control, micrometer band-spread on all bands and the cathode-ray tuning eye (optional).

Continuous all-wave coverage from 16.4 meters, (18.3 mc.), to 560 meters, (535 kc.). This range covers American broadcasts, foreign broadcasts, and amateur, aircraft, commercial and police reception. The world is at your finger-tips with this receiver.

An undistorted output of 3 watts is obtained into an improved 8" dynamic speaker. Fidelity is excellent—100 to 5,500 cycles within 6 db.

A three-color illuminated micrometer dial equipped with a second hand provides the precision control so necessary for short-wave tuning—a vernier ratio of 480 to 1! Tone control allows full graduation of tone and is indicated on the dial.



## LAFAYETTE

HIGH-FIDELITY

CONTINUOUS ALL-WAVE

7

**TUBE a.c.  
SUPERHET  
BROADCAST  
560 TO 173 METERS  
FOREIGN  
52.2 TO 16.4 METERS  
POLICE  
175 TO 51.8 METERS**

CATHODE RAY



TUNING

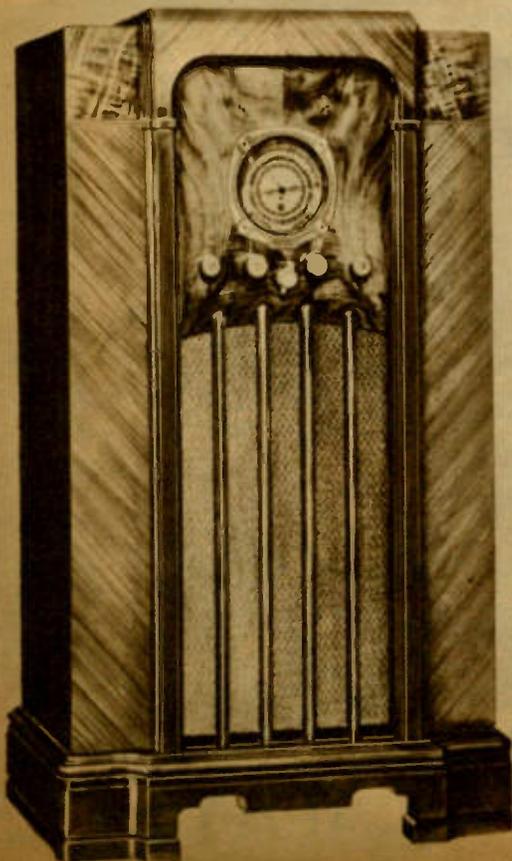
SEND FOR A FREE COPY OF OUR CIRCULAR NO. 59S FOR A COMPLETE DESCRIPTION OF THIS RECEIVER.

**Model B-21**—Lafayette 7-tube all-wave chassis only, complete with tubes and 8" speaker. Size of chassis: 13½" wide, 10½" deep and 10" high. For 105-120 v., 50-60 cycle a.c. operation. Shpg. wt. 30 lbs. Code, BAREN. List Price, \$67.00  
**\$33.50**  
 Your Cost .....

**Model B-22**—Lafayette 7-tube all-wave superheterodyne in mantel cabinet as illustrated at top of page, complete with tubes and 8" speaker. Dimensions: 16" wide, 10½" deep, 19" high. Shpg. wt. 41 lbs. Code, BETRIC. List Price, \$73.90  
**\$36.95**  
 Your Cost .....

**Model B-23**—Lafayette 7-tube all-wave superheterodyne in console cabinet shown at left. Dimensions: 21" wide, 38½" high, 13¾" deep. Complete with tubes and 8" speaker. Shpg. wt. 66 lbs. Code, BASEK. List Price, \$93.90  
**\$46.95**  
 Your Cost .....

Any of above models equipped with cathode-ray tuning eye. Add to above prices..... \$3.00  
 Any of the above models for 220-volt, 40-60 cycles a.c. operation, add to above prices..... \$2.00  
 Console cabinet only, shown at left. Shpg. wt. 60 lbs. Code, TEVIT. Undrilled panel.  
**\$14.95**  
 Your Cost .....



# LAFAYETTE

# High Fidelity

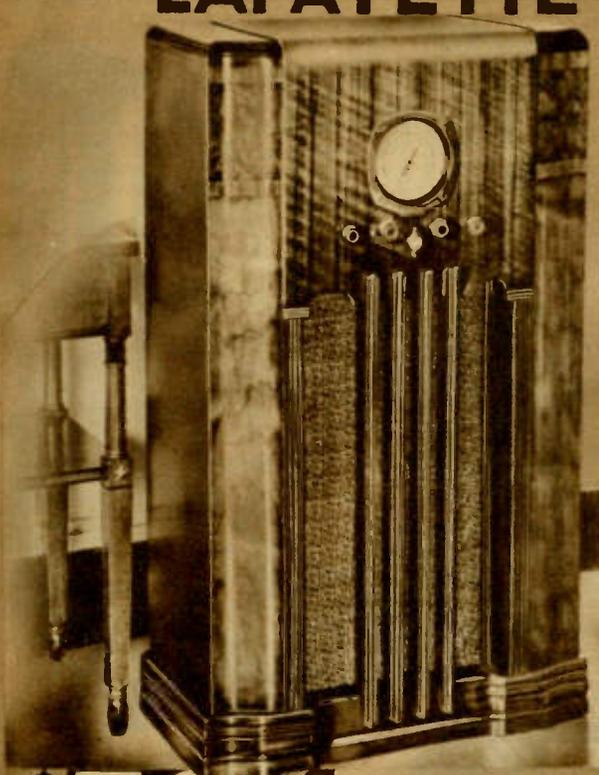
## All Wave SUPERHET

BROADCAST · · 560 TO 173 METERS

FOREIGN · · · 522 TO 164 METERS

POLICE · · · · 175 TO 518 METERS

TEN tubes are used in this up-to-the-minute superhet, (4 new all-metal): 4-6K7's, 3-76's, 2-45's and 1-80. Faithful reproduction, 40 to 5,500 cycles within 6 db, through a new type curvilinear 10" dynamic speaker. An outstanding feature, the i.f. band-width control, insures full-range reproduction. Sensitivity is rated at .7 microvolt absolute (per 4 meters) on the standard band, and 2 microvolts absolute on the short-wave band. Selectivity is 25 kc. at 1000 times down, indicating non-interference between signals at anything less than 1000 at 12½ kc. A 3-pilot light airplane dial provides a second hand vernier ratio of 480 to 1. A.V.C. is of the diode type. Tone control is wide range and indicated on the dial. For further details send for free circular, No. 59S, describing this receiver in detail.



\$ **56**<sup>95</sup>

# 10 TUBE

*Custom Built*

CATHODE RAY



TUNING

*Mantel*  
MODEL

**Model B-37**—Lafayette 10-tube all-wave superhet in console, (shown above), with all tubes. For 110 v., 60 cycles a.c. Size: 24" wide, 12" deep, 39" high. Code, BENG. Shpg. wt. 79 lbs.

List Price, \$113.90

Your Cost

**\$56.95**

**Model B-36**—Lafayette 10-tube all-wave superhet in mantel cabinet, (at right), with all tubes. Code, BOLER. Shpg. wt. 49 lbs. Size: 22 7/8" high, 17 3/4" wide, 11 1/2" deep.

Your Cost

**\$51.95**

**Model 700**—Console cabinet only. Shown above with undrilled front. Code, TELVA. Shpg. wt. 70 lbs.

List Price, \$33.90

Your Cost

**\$16.95**

**Model B-35**—Chassis only, with speaker and tubes. Code, BERME. Shpg. wt. 38 lbs.

List Price, \$89.90

Your Cost

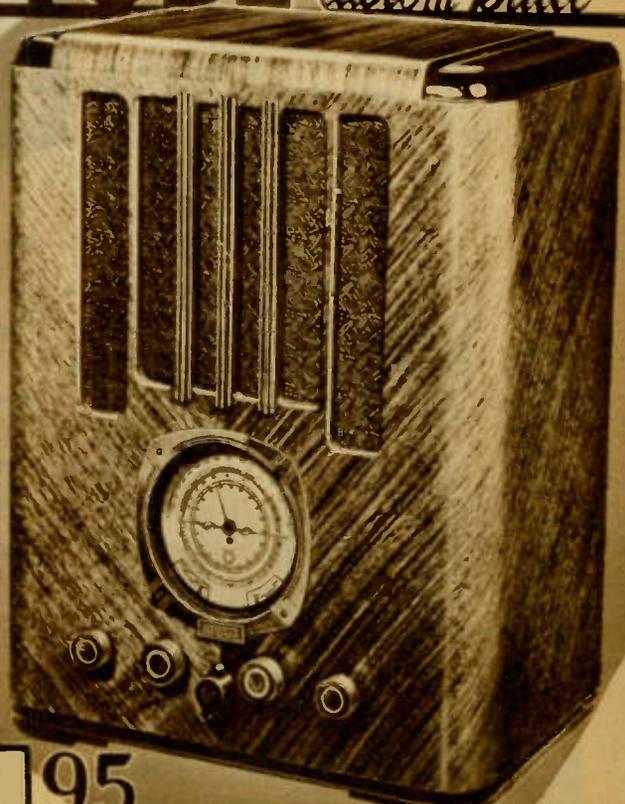
**\$44.95**

Any of above models with cathode-ray tuning eye. Add to above prices. \$3.00

For 220-volt a.c. operation, add \$3.00

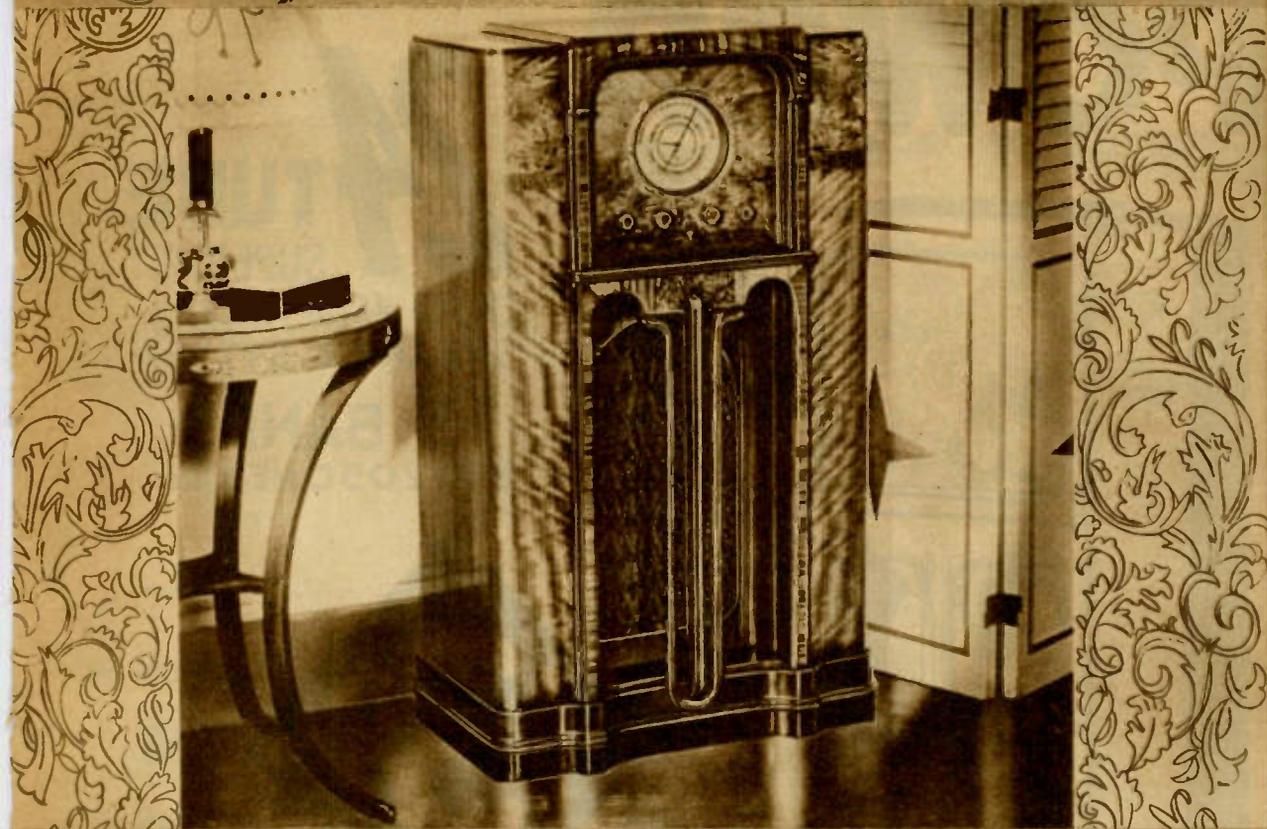
Fig 10

**51**<sup>95</sup>



# LAFAYETTE

# Lafayette 12 Tube ALL WAVE



\* CUSTOM BUILT  
\* HIGH FIDELITY REPRODUCTION

AVAILABLE WITH  
CATHODE  
RAY  
TUNING

CONTINUOUS ALL-WAVE  
COVERAGE  
LATEST METAL TUBES \*

**P**OWER to amaze you—tone that makes you forget you are not listening to the performers in person! Tune in a symphony orchestra—note the full, "third-dimensional" effect of the TWO concert-type speakers—the naturalness of tone due to the high-fidelity circuit—thrill at the crescendo to the undistorted volume of 15 watts reserve power!

All short wave stations, domestic and foreign, can be heard; coverage is without gaps from 16.5 to 560 meters (1,750 to 18,300 kc). Micrometer pointer with ratio of 16 to 1 for split-hair tuning and logging

Ultra-modern i.f. control widens band acceptance and permits passage of the upper frequencies broadcast by the widely-spaced high fidelity stations; or is reset at the turn of a knob to prevent interference between standard stations of 10 kc. separation. Separate full-range tone control adjusts frequency response to the acoustics of your room. Fidelity flat within 6 db from 25 to 7000 cycles.

Sensitivity from .5 microvolt absolute (per 4 meters) on the broadcast band to 2 microvolts absolute on short waves. Selectivity 20 kc. broad at 1000 times down, indicating non-interference between signals of field strength ratios less than 1000 to 1 at 10 kc. separation

Four 6K7 metal tubes as r.f. amplifier, converter 1st and 2nd i.f. amplifiers; three 6F6 metal tubes as

a.f. driver and output; three 76 tubes as oscillator, diode detector and a.f. amplifier, and two type 80 tubes as rectifiers

**Model B-32**, Lafayette 12-tube all wave super-het in cabinet as illustrated, with tubes, and 2 12" speakers for 110 V. 60 cycle a.c.; 25½" x 14½" x 42½" high. Shpg wt. 140 lbs. Code BATON. List \$165.00  
**YOUR COST** **\$82.50**

**Model B-30**, chassis only, with tubes and two speakers for 110 V. 60 cycle a.c.; 20¼" x 12" x 10" high. Shpg. wt. 59 lbs. Code BOSIL. List price, \$125.00

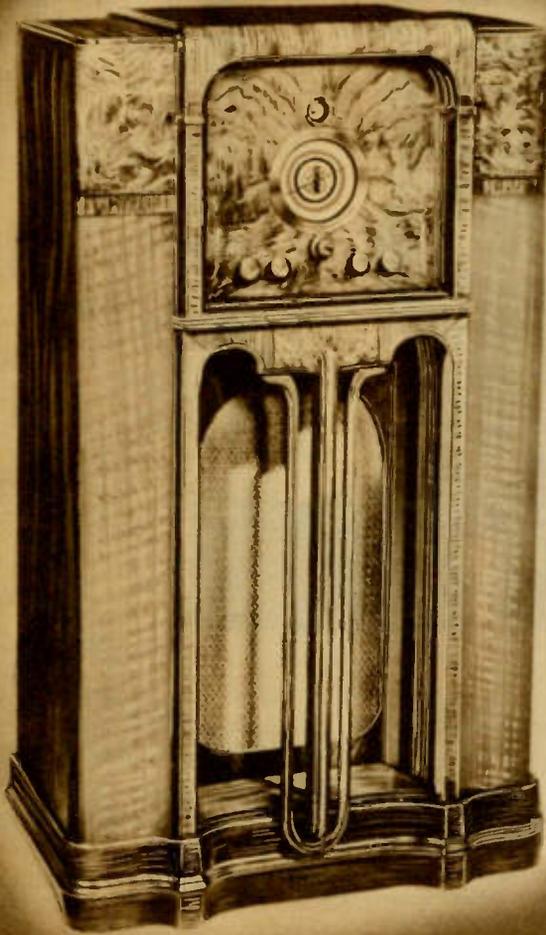
**YOUR COST** **\$62.50**

**BLANK CONSOLE ONLY** as illustrated above. Shpg. wt. 85 lbs. Code TENKA  
List Price \$49.00  
**YOUR COST** **\$24.50**

All models with cathode ray tuning eye, \$3.00 extra.  
All models for 220 V. 40 to 60 cycle a.c., \$3.00 extra.

For phono combinations and detailed description of 12-tube set, see pages 19 and 21, our Catalog #59.  
Write for free copy today.

# POWER

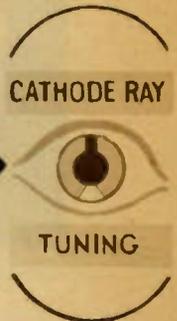


LAFAYETTE

**24 TUBE**  
**SUPERHET**  
**DUO High Fidelity**  
**SPEAKER SYSTEM**

**5 BANDS**  
**8 TO 2,050 METERS**

**\$139.50**



LAFAYETTE'S PROUDEST ACHIEVEMENT — the 24! Created to set a new standard in radio receivers—housed in a magnificent hardwood console designed for this set alone. Every improvement and perfection known to the art has been included—nothing has been spared that science could provide to improve reception or enhance quality.

Turn in the earth! The power, the sensitivity—and every wave band—all at your finger tips!

All power transformers are tapped for 115, 135, 150, 230 and 250 volts, 40-60 cycles a.c.

Phonograph jack is provided to make the unparalleled quality of this set available for record reproduction.

**MODEL C-96** Lafayette "24" high fidelity all-wave console receiver, complete with tubes. Dimensions 25½" x 14½" x 42½" high. For 110-250 V., 40-60 cycle a.c. Shpg. wt. 215 lbs. Code GASKA.

List price, \$279.00.

**YOUR COST**

**\$139.50**

**MODEL C-95** Chassis only, consisting of receiver chassis, power-supply-amplifier chassis, low and high frequency speakers, and tubes. For 110-250 V. 40-60 cycle a.c. (State line voltage). Dimensions, receiver chassis: 19⅞" x 12⅞" x 10¼" high; amplifier-power supply chassis: 22½" x 11¼" x 14" high; high frequency speaker: 9½" x 6" x 9½" high. Total shpg. wt. 96 lbs. Code GOLIE. List price, \$230.

**YOUR COST**

**\$115.00**

Blank console, undrilled panel. Shpg. wt. 85 lbs. Code TENKA. List \$49.00.

Your Cost

**\$24.50**

For phono combination write for your free copy of our Catalog No. 59; see Page 25.

**NINETEEN (19) tuned circuits!** Covering 8 to 2,050 meters (140-30,000 kc.)!

Ultra-sensitivity provided by radio frequency pre-amplifier on all bands, eliminating "echo" points; by beat oscillator to detect weak foreign stations that might otherwise pass unnoticed; by automatic volume control, by two-speed, split-knob planetary drive for super-accuracy in tuning and logging.

Highest fidelity of sound known to the radio world. Cathode Ray Tuning Eye helps to prevent cutting side bands at any wave length. Dual speaker system, consisting of Auditorium Type 12" dynamic and 10", full-powered high-frequency "tweeter"—cabinet acoustically designed for this receiver alone. Automatic tone control automatically switched out of action when receiver is set for high fidelity reception; manual tone control operative at all times. Low mu triode circuits throughout avoid harmonics. Step-wise i.f. band width control for 10 kc., 20 kc. or 40 kc. permits reception up to 8,000 audio cycles!

The above are not all the features that provide extreme sensitivity, selectivity and quality—only all that we have space to list here.

Tubes used are 5—6K7's; 1—6A8; 2—6H6's; 4—6C5's; 9—45's; 2—5Z3's, and 1—6E5.

**OPENS NEW HORIZONS WITH SUPER-POWER RECEPTION**

**T**HE Lafayette 11 tube A.C.-D.C. superhet provides three tuning bands covering from 20 to 60 meters, from 68 to 166 meters and from 200 to 550 meters. This world wide entertainment is placed at your command. European models are available which incorporate a range from 800 to 2000 meters in place of the 68 to 166 meter band.

The tubes used include 1-6A8, 1-6K7, 1-6H6, 1-6C5, 3-43's, 2-25Z5's, 1-8600 ballast and 1-8601 ballast. Six of these tubes are the new all-metal types. Features include: New 7" giant airplane dial with individually calibrated bands; visual tuning indicator; special 9" matched dynamic speaker; tone control; a.v.c. circuit; phonograph attachment provisions. In mantel cabinet of beautiful semi-rounded design.

**Model S-63**—Lafayette 11-tube AC-DC superhet complete with tubes in mantel cabinet. For 110 volts AC or DC. Size: 17 $\frac{1}{2}$ " wide, 11 $\frac{1}{2}$ " deep, 22 $\frac{1}{2}$ " high. Shpg. wt. 56 lbs. Code PIERC.

List \$89.00. **YOUR COST** **\$44.50**

**Model S-61**—Lafayette 11-tube AC-DC superhet chassis, speaker and tubes. 15" wide, 10 $\frac{1}{2}$ " deep, 8 $\frac{1}{2}$ " high. Shpg. wt. 32 lbs. Code PTMA. List \$75.00

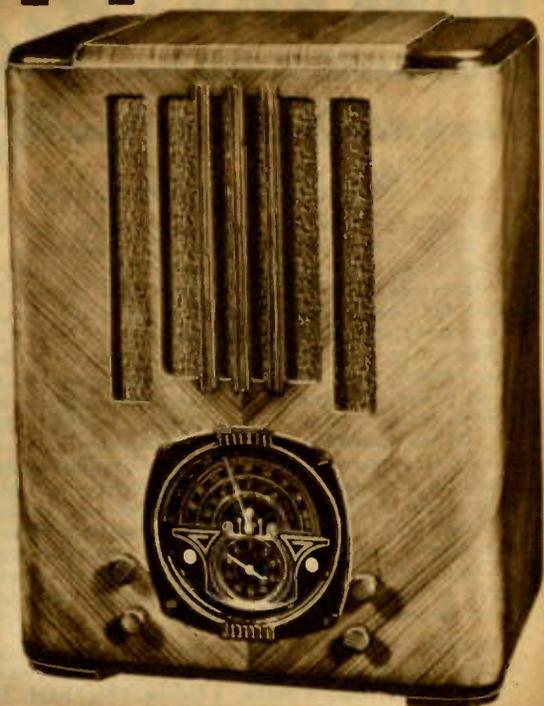
**YOUR COST** **\$37.50**

**Model S-64**—Lafayette European model 11-tube AC-DC superhet, in mantel cabinet as above. Code PIRLE. Shpg. wt. 46 lbs. List \$92.00. **YOUR COST** **\$46.00**

**Model S-62**—Lafayette European model AC-DC superhet chassis, speaker and tubes. Shpg. wt. 32 lbs. Code PEBLE. List \$78.00. **YOUR COST** **\$39.00**

**\$44<sup>50</sup>**

**EUROPEAN MODELS** incorporate an 800 to 2000 meter band in place of the 68-166 meter police band.



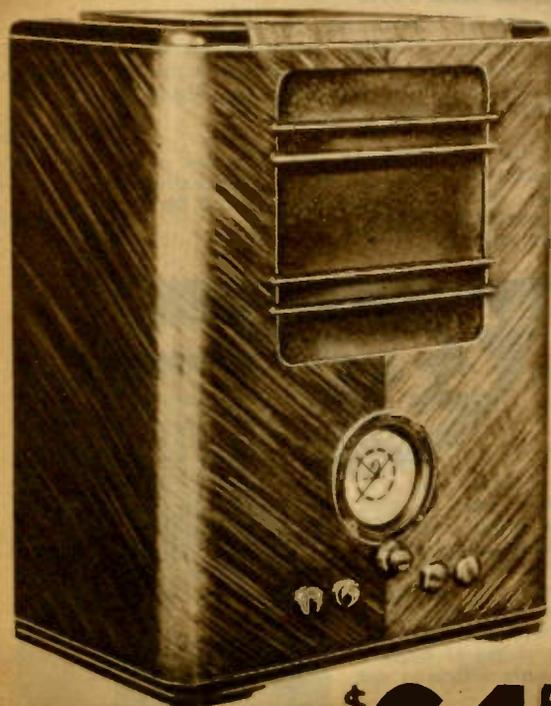
*Eleven*  
**TUBE AC-DC SUPERHET**  
NEW 7 INCH CLOCK TYPE DIAL  
VISUAL TUNING INDICATOR

Lafayette 11 tube A.C.-D.C. models for 220 volts available at additional \$3.00.

**CUSTOM BUILT BY LAFAYETTE**

Lafayette 14 tube A.C.-D.C. models for 220 volts available at additional \$3.00.

*Fourteen*  
**TUBE AC-DC SUPERHET**  
ALL-WAVE COVERAGE FROM 8-2050 METERS  
A REAL HIGH FIDELITY RECEIVER



**T**HE Lafayette 14 Tube All Wave High Fidelity receiver brings a world of entertainment into your home at every turn of the dial. Every modern circuit improvement has been utilized to provide the ultimate in quality, sensitivity and power.

A total of latest type 14 tubes is used in an advanced superheterodyne circuit. These include: 4-6K7's, 1-6A7, 1-6H6, 2-6C5's, 4-43's, 2-25Z5's. Circuit features include the use of a stage of r.f. amplification on each band; five tuning bands covering from 8 to 2050 meters; an airplane dial with each band individually calibrated and with only the band in use illuminated; a special 10" high fidelity speaker to handle the set output; shadowgraph tuning control; automatic tone and volume controls. Receiver operates on 110 volts, 60 cycles a.c. or 110 volts d.c.

**Model C-84**—Lafayette 14 Tube A.C.-D.C., High Fidelity receiver, complete with tubes in mantel cabinet. Size: 15 $\frac{1}{2}$ " wide x 12" deep x 20 $\frac{1}{2}$ " high. Shpg. wt. 50 lbs. Code GENIA. List \$129.00. **YOUR COST** **\$64.50**

**Model C-83**—Lafayette 14 Tube All-Wave Receiver Chassis with speaker and tubes. Size: 13 $\frac{1}{2}$ " wide, 11" deep, 9" high. Shpg. wt. 39 lbs. Code GROVA. List \$115.00. **YOUR COST** **\$57.50**

**\$64<sup>50</sup>**  
FIVE BANDS: 8 to 16 Meters  
16 to 57.5 Meters  
57.5 to 187 Meters  
187 to 555 Meters  
850 to 2050 Meters

# 1936 BATTERY SETS - - Especially

**6 TUBE 6VOLT** \$ **25<sup>45</sup>**  
**3 FULL BANDS 15-550 Meters**  
*Current Drain only 1/2 amp*

## World-Wide Reception

**L**AFAYETTE engineers have made available to those using 6-volt power, full efficiency super-heterodyne performance comparable in every way to commercial current receivers. This powerful set is ideal for the farm, country home, auto, boat, summer resort and similar locations.

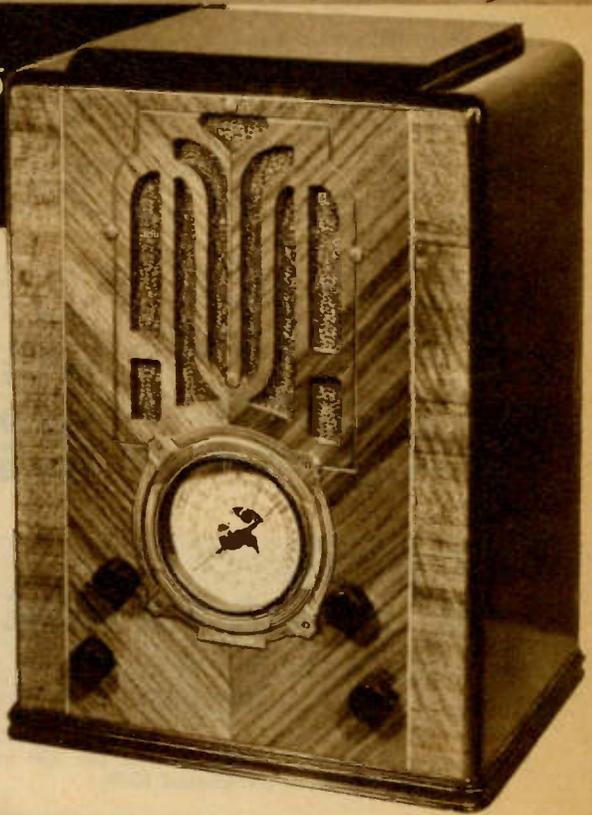
Every up-to-the-minute development is found in this receiver; six latest type dual-purpose super-efficient tubes are incorporated in a remarkably sensitive and selective circuit, using 3-30's, 1-1C6, 1-34 and a 19. Other features include full-range tone control, automatic volume control, 5" non-breakable lens, illuminated airplane dial with a 12-1 ratio and all bands calibrated in kilocycles, megacycles and meters.

Exceptional tone quality is obtained from a 6 1/2" Orthovox speaker of the balanced armature type.

The only power requirement is a 6-volt storage battery; a spring-suspended detachable, built-in power unit furnishes the "B" voltage.

**YY21097**—VESTA storage battery, guaranteed, long-life, 96 amp-hrs., 6 volts, 17 plates.  
**YOUR COST \$6.25**  
 Further details on page 52.

**Model M-44**—Lafayette 6v. battery receiver, with tubes. 14 3/4" high, 11" wide, 8 1/4" deep. Shpg. wt. 18 lbs. Code VECCA.  
**YOUR COST \$25.45**



Patented self-tilting feature permits action in the lightest breeze and offers full protection in winds up to 70 m.p.h.

## GYROMATIC WIND CHARGER • Charging Rate "POWER FROM THE AIR" • Up To 12 Amperes TO CHARGE YOUR STORAGE BATTERY

**H**AVE dependable charging service at home—FREE! This long-life wind-driven generator operates in any wind from 6 m.p.h. and up. Scientifically designed propeller metal sheathed for protection against sand, dust and sleet. Five-foot steel tower fits flat or gable roofs. Complete with generator, propeller, distributor, ammeter, cut-out, tower, tail vane, etc. Has positive throwout device and automatic speed control for all wind speeds.

**YS17224**—Sentinel Gyromatic wind charger complete as described, with mounting accessories, battery clips and full instructions. Shpg. wt. 66 lbs. List Price, \$39.50.  
**YOUR COST \$17.45**

**YE5291**—Resistor for charging 2-volt storage batteries directly from Sentinel charger. Shpg. wt. 2 lbs.  
**YOUR COST 55¢**

**6 TUBE 32volt SUPERHET** \$ **23<sup>45</sup>**  
**3 FULL BANDS - 15 TO 550 Meters**  
 Electro-Dynamic Speaker—Tone Control  
 Full A.V.C. Action—No Batteries

**U**SERS of 32-volt power systems are now assured of radio performance equal to that obtained by users of commercial power. A highly developed superheterodyne chassis employs six of the latest type high-gain tubes, 1-6D6, 1-6A7, 1-75, 2-48's and a 76.

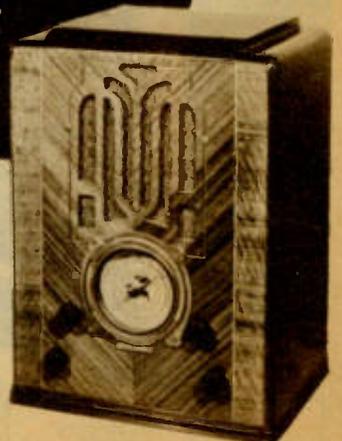
A 6 1/2" electro-dynamic speaker reproduces faithfully with full glorious tone and volume to spare. Automatic volume control is included. Tuning is easily accomplished with a 5" non-breakable lens, illuminated airplane dial having three colored scales and a vernier ratio of 12 to 1. The escutcheon is handsomely bronze finished.

Wide-range tone control permits tonal graduation from bass to brilliant treble. The set is fully electric; no batteries of any kind are required. Total energy drain is 35 watts—less than any other receiver of its type.

Its graceful cabinet is beautifully faced with figured butt walnut, with high piano finish—a thing of beauty as well as a remarkably efficient set for the discriminating.

**Model M-31**—Lafayette 3-band, 32-volt superhet, with all tubes. Dimensions: 14 3/4" high, 11" wide, 8 1/4" deep. Code VIRBE. Shpg. wt. 18 lbs.

**YOUR COST \$23.45**



Licensed Under  
 RCA and Hazeltine

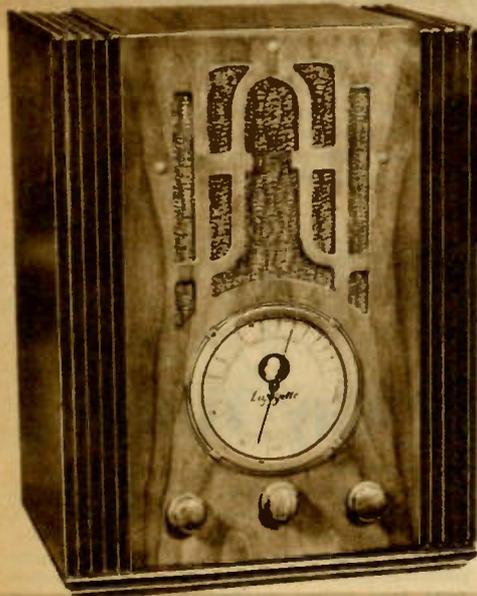
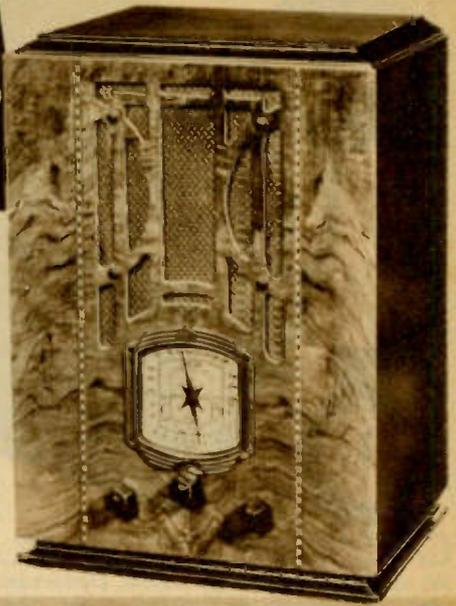
# Designed for **ECONOMY of OPERATION**

## **5 TUBE 2 VOLT** *Air Cell* **BATTERY SUPERHET** \$ **17.<sup>25</sup>**

**L**AFAYETTE presents this receiver *Dual Wave* as the last word in battery-operated superheterodynes. Sensitivity and selectivity are comparable to that found in power receivers, and tone quality is rich and brilliant. Nothing near its price can approach this set in value or quality. Here are its qualifications as an outstanding value: 5 latest type low-drain tubes 1-6C6, 1-34, 1-30, 1-19 and the up-to-the-minute 1B5; full automatic volume control; full-range 6" Orthovox speaker; 2 bands, 55-550 meters CONTINUOUS with separate coils; newest illuminated airplane dial; 19. Class "B" push-pull output; rubber-floated tuning condenser; beautiful cabinet and fittings; RCA and Hazeltine licensed. "B" battery consumption is 22 ma., and "A" drain only .56 amp.

**Model M-43**—Lafayette 5-tube, 2-volt superhet, complete with all tubes. Dimensions: 6½" deep, 11" wide, 14" high. Shpg. wt. 17 lbs. Code VOKIL. Less batteries. List Price. \$34.50  
**YOUR COST**

Complete kit of batteries for above: 3-45 v. "B", 1-4½ v. "C", 1-Eveready Air Cell. Shpg. wt. 50 lbs  
**YOUR COST**



## \$ **24.<sup>95</sup>** **7 TUBE 2 Volt** *All Wave* **BATTERY SUPERHET**

Superlative superheterodyne performance, rich tone quality, world-wide reception and a beautiful example of the cabinet-maker's art—a sum of values at a price that can not be equaled. Seven latest type tubes: 1-6C6, 2-34, 1-1B5, 1-30, 1-19 and 1-6-1 ballast; wide-range 6" Orthovox speaker; three bands 20 to 53.5, 71.5 to 200, and 200 to 555 meters. Is unequaled for economy of operation: "B" battery consumption is only 8 milliamperes, and drain on the "A" source, .5 ampere at 2½ volts. Vernier control, so necessary for short-wave tuning, is provided by a large, illuminated airplane dial.

**Model D-47**—Lafayette 7-tube, all-wave battery superhet, with tubes, less batteries. Code WEGGO. Shpg. wt. 58 lbs. Size 12 wide, 8½" deep, 15¾" high. List. \$49.90  
**YOUR COST**

Complete set of batteries with Burgess "A" Pack. \$**24.95**  
Shpg. wt. 50 lbs. **YOUR COST** \$**6.05**  
With Eveready Air Cell, if specified, add \$1.75

## **9 TUBE 2 Volt** *High Fidelity* **BATTERY SUPERHET** \$ **44.<sup>95</sup>**

Lafayette's supreme achievement in battery-operated receivers! The equal of the finest all-electric sets. Has 9 high-gain tubes in a 1936 superhet circuit: 4-30's, 1-19, and 4-34's; diode automatic volume control; real HIGH FIDELITY from a full 8" permanent magnet speaker; 3-gang rubber cushioned condenser; tone control; 5½" micrometer airplane dial; covers, 18.8-53.6, 64-175 and 173-560 meter bands; Class "B" power output. Flip the switch and the world is at your finger tips in tones that are rich and mellow, with power to spare. Housed in a beautiful hand-finished cabinet with fittings to match—truly the aristocrat of all battery-operated sets. "B" battery consumption is 22 ma.; "A" drain is .74 amp. at 2 volts.  
**Model B-68**—Lafayette 9-tube, 3-band battery-operated superhet, with tubes. Less batteries. Size: 18⅞" high, 16¼" wide, 10½" deep. Shpg. wt. 45 lbs. Code BLEMA. List Price. \$90.00  
**YOUR COST**

Kit of batteries with Burgess "A." Shpg. wt. 50 lbs \$8.00  
As above with Eveready Air Cell, if specified, add \$1.75



The Standard of  
Battery Receiver Comparison

New  
RCA

SUMMER PLEASURE with

RCA-VICTOR "Magic-Brain"  
Model M-101

5 TUBE  
5 AUTO SET

Special  
\$20.95

COMPLETE WITH  
TUBES

- ✓ Streamline Control
- ✓ Single Unit Construction
- ✓ 6" Matched Dynamic Speaker

QUANTITY LIMITED!!

ONLY a fortunate purchase enables us to offer this modern, powerful 5-tube RCA-Victor auto set at the price quoted below. Unfortunately, however, our supply is limited—when they are gone and they're sure to go like "hot cakes" there will be no more available. Five modern high gain tubes are used in a powerful superhet circuit as follows: 1-6D6 as r.f. amplifier, 1-6D6 as i.f. amplifier, 1-6A7 as detector and oscillator, 1-6B7 as second detector, a.v.c. and audio amplifier, 1-41 output tube. A special Powertron vibrator (full-wave tubeless type) supplies the necessary high voltages from the 6-volt storage battery. The tuning range covers from 540 to 1600 kc. (555-187.5 meters).

Features include the use of a built-in noise suppressor circuit so that spark plug suppressors are not necessary in most cases; a new type streamline remote control unit has an illuminated non-glare dial marked in channels; a powerful a.v.c. circuit minimizes fading and prevents "blasting". Receiver is housed in a black crackle finished case 9 $\frac{1}{8}$ " wide, 9" high, 6 $\frac{3}{4}$ " deep. Shpg. wt. 25 lbs.

YY22600—RCA-Victor Model M-101 "Magic Brain" 5-tube auto set, complete with all tubes, one distributor suppressor and one generator capacitor. Ready to operate. List \$49.50

YOUR COST,  
Special

\$20.95

Lafayette  
Auto Radio  
5 TUBE  
with  
Cathode-Ray-Tuning

WITH the summer months just around the corner, thoughts naturally turn toward the "open road", and consequently to the automobile. Nothing could be more appropriate—more able to provide you with the maximum in entertainment on your travels—than this new 5-tube auto radio. Excellence of performance, coupled with a distinctive appearance—and a real low price—make this receiver an unusual buy.

Five of the latest type tubes, equal in performance to seven of the older types, are used in an advanced superheterodyne circuit as follows: 1-6A7 as detector and oscillator; 1-6D6 as i.f. amplifier, 1-75 as second detector and audio amplifier, 1-41 output tube and 1-84 rectifier. A matched dynamic speaker handles the entire set output with great fidelity of tone. Illuminated airplane dial is graduated in k.c.

#### CATHODE RAY TUNING

For those who desire the utmost efficiency in tuning, a model has been made available that incorporates an electron eye, or cathode ray tuning eye. This feature makes certain peak tuning at all times.

#### NOISE FILTER

A built-in noise suppressor circuit makes the use of spark plug suppressors unnecessary in all but the most difficult cases.

Right: Model  
JA1  
auto radio  
\$16.95



Other features include: continuously variable tone control; single unit construction; less than 5 ampere drain; "streamline" case; 10 kc. selectivity; extreme sensitivity.

Model JA1—Lafayette 5-Tube Auto Radio complete with tubes, generator condenser and distributor suppressor. Dimensions 6 $\frac{1}{2}$ " wide, 11 $\frac{1}{2}$ " deep, 5" high. Shpg. wt. 18 lbs.

Code VELBA. List \$33.90

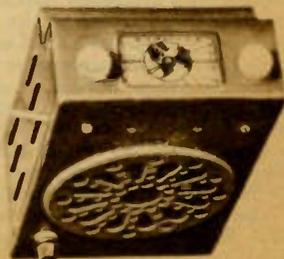
\$16.95

Your Cost

Model JA2—Same as above, but with Cathode Ray tuning feature included. Code VONOS List \$39.90

\$19.95

Your Cost



# Lafayette AUTO SETS

## 6 TUBE SUPPRESSORLESS SET with Head-Bar Speaker for 1936 CARS....

LAFAYETTE supremacy in the radio field is further established by this new, powerful, modernly designed 6-tube auto radio. Its excellence of tone, abundance of power and intelligent construction make it an outstanding value. The superhet circuit uses six high gain tubes affording maximum sensitivity and selectivity. These are: 1-6A7, 2-6D6's, 1-7S, 1-4I and 1-84. Output of 3 watts is more than sufficient for all practical purposes.

### SUPPRESSORLESS CIRCUIT

A specially built-in noise suppression circuit eliminates the need for using any spark plug or distributor suppressors. The generator condenser, supplied with the unit, is all that is required.

### OPTIONAL HEAD BAR SPEAKER

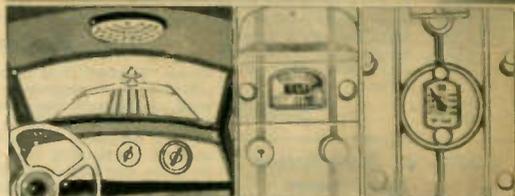
Many of the new 1936 cars have provisions for a speaker built-in on the head bar over the windshield. For this reason, the set has been made available for such installations with an external speaker and mounting plate, as illustrated at the right.

**Model D-45**—Lafayette 6-tube auto radio complete with tubes and generator condenser. 9½" wide, 7½" deep, 7¾" high. Single unit. Shpg. wt. 30 lbs.

Code WCENE List \$46.90. Your Cost ..... **\$23.45**

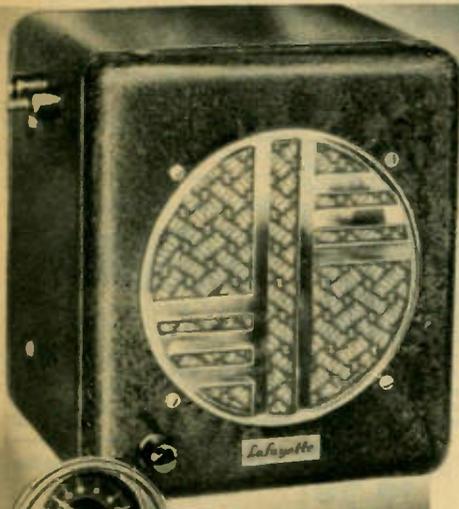
**Model D-46**—Same as above, but with external speaker for head bar mounting. Code WABBE, List \$50.50

Your Cost ..... **\$25.25**



The Lafayette 6-tube auto set is regularly furnished with dashboard mounting remote control. Proper plates for mounting control on panel of 1936 Ford, Plymouth, Chevrolet, Pontiac, Buick, Packard or Chrysler additional 70c.

Specify make and year of car when ordering. Special accessories for 1935 General Motors cars at additional **\$1.50**



Illustrated at the left is the dashboard mounting unit for the 1935 and 1936 Ford cars. All other types are available.

The above auto set is furnished with a universal control unit. Mounting plates for all standard cars can be furnished at 70c additional. See paragraph under illustrations on top of page for complete details.

Steering column control 70c additional.

## 6 TUBE Lafayette DE LUXE Homelike Reception on the Road

THIS deluxe, custom built 6-tube auto set is one of the finest in the Lafayette line. In performance, it is equal to the majority of home receivers—you can ride the road in company with clear, life-like music at all times.

The powerful superheterodyne circuit makes use of six high gain tubes in the following manner: 1-6D6 as r.f. amplifier, 1-8C6 as first detector and oscillator, 1-6D6 as i.f. amplifier, 1-7S as second detector, 1-4I power output pentode tube and 1-84 rectifier. An undistorted power output of three watts, affording plenty of reserve, is handled by a matched 6" electro-dynamic speaker.

Special filtering and careful chassis shielding make the use of spark plug suppressors unnecessary in most cases. The use of the distributor suppressor and the generator capacitor furnished with the receiver will be sufficient as a rule.

### AVAILABLE WITH ALL TYPES OF REMOTE CONTROL

Because of the fact that many of the cars produced in the past several years have provisions for dashboard remote controls, this set can be supplied with the proper unit for dashboard mounting. See note at left for complete details.

**Model B-90**—Lafayette 6-tube auto radio complete with tubes, distributor suppressor and generator condenser. Specify type of remote control desired (see note at left). Dimensions: 7" wide, 7" deep, 10" high. Shpg. wt. 28 lbs.

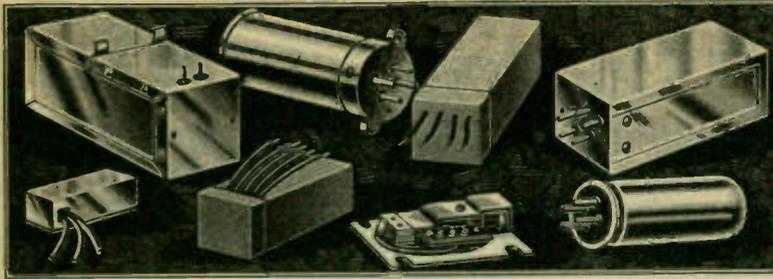
Code BADDA. List \$55.00 Your Cost ..... **\$27.50**



# MALLORY REPLACEMENT VIBRATORS

## ELKON

### for all Standard Auto Radio Sets



The popular auto radio, as we know it today, has been made possible only by the fact that Mallory engineers originated and manufactured the first vibrator type power supply. Of the two million sets in use today, including those powered by "B" batteries and motor generators, over half are equipped with Mallory Elkonode vibrator "B" power supplies. It is apparent, therefore, that Mallory is and always will be the leader in the vibrator field. There is a Mallory vibrator for every make and type of auto radio. Most important, Mallory vibrators are now priced so low that the use of substitutes is false economy.

Stock No.	Name and Model	Type No.	Your Cost	Stock No.	Name and Model	Type No.	Your Cost	Stock No.	Name and Model	Type No.	Your Cost	Stock No.	Name and Model	Type No.	Your Cost
<b>ARVIN</b>				<b>CHEVROLET</b>				<b>L'TATRO (32 Volt) (Cont'd)</b>				<b>RCA-VICTOR (Cont'd)</b>			
YF6137	15, 25, 35, 45 (1st series)	296	\$2.65	YF6113	364441	221	\$2.79	YF6144	F725, D625, C625, X6236, W6236, V5226, U5226, T6216	F251	\$2.94	YF6165	M123	224	\$3.82
YF6135	15, 25, 35, 45 (2nd series)	292	2.65	YF6114	600153	222	3.09					YF6134	RC166	287M	3.23
YF6135	10A, 20A, 20B, 30A, 30B, 16	292	2.65	YF6114	600249	222	3.09					YF6147	RC166-2 (12 Volt)	G287M	3.82
YF6136	7, 17, 17A, 27, 37	294	2.65	YF6130	600565	222	3.09					YF6136	RS63-1	294	2.65
<b>ATWATER-KENT</b>				<b>COLONIAL</b>				<b>MAJESTIC</b>				<b>SEARS ROEBUCK</b>			
YF6114	424, 534	222	3.09	YF6113	106 B Supp.	221	2.79	YF6112	66, 116, 116A, 118	220B	2.94	YF6136	7128 (4 Pr.)	294	2.65
YF6137	666	296	2.65	YF6112	164	220B	2.94	YF6112	40-18805	220B	2.94	YF6137	7128 (6 Pr.)	296	2.65
YF6137	816, 776	296	2.65	YF6137	164B	296	2.65					YF6127	7117, 1859A	271	3.23
<b>BELMONT</b>				<b>CROSLLEY</b>				<b>MALLORY "B" ELIMINATOR</b>				<b>STEWART WARNER</b>			
YF6137	670	296	2.65	YF6115	98, 99, 102, 103, 119, 5A1	223	3.38	YF6100	Type 1	201	2.94	YF6136	1171, 1172, 1311, 1312, 1314-19	294	2.65
YF6136	680	294	2.65					YF6101	Type 2	202	2.94	YF6135	R1112, 1121, 1122, R112	292	2.65
<b>BOSCH</b>				<b>EMERSON</b>				<b>YF6102</b>				<b>YF6166</b>			
YF6125	524, 634, 634A	253Y	2.65	YF6137	965, 667	296	2.65	YF6102	Type 3	203	2.94	YF6136	131, R117, R118, 1181,	294	2.65
YF6127	140 (Ed. 2 & 3), 140A	271	3.23	YF6132	5A	277S	3.23	YF6102	Type 4	204	2.94				
YF6111	150 (Ed. 1)	219	3.38	YF6134	678 1, 678-2	222	3.09	YF6102	Type 5	205	2.94				
YF6127	150 (Ed. 2)	271	3.23	<b>FORD</b>				<b>YF6105</b>				<b>STROMBERG CARLSON</b>			
YF6127	45, 45A, 45C, 160	271	3.23	YF6112	Majestic	220B	2.94	YF6105	Type 6	206	2.94	YF6120	33	236	3.38
YF6137	78	296	2.65	YF6122	40-18805	250	2.65	YF6106	Types 10, 10C, 10CA, 10P, 10PC, 10ST	210	3.38				
YF6123	79, 79C	253	2.65	YF6137	Philco (all)	250	2.65	YF6107	Types 11, 11M, 11Z, 11CD, 11P, 11PC	211	3.38	<b>UTAH</b>			
<b>BUICK-OLDS-PONTIAC</b>				<b>GENERAL ELECTRIC</b>				<b>YF6108</b>				<b>YF6113 "B" Elim.</b>			
YF6113	980383-980393	221	2.79	YF6129	*B40, C41, B52	273	3.23	YF6108	Types 12, 12C, 12CP	212	3.38	YF6113	5Y	286S	3.23
YF6114	980445-980459	222	3.09	YF6123	C60	253	2.65	YF6109	Types 13, 13S	213	3.38	YF6135	V6Z2, Z6Z1	292	2.65
YF6114	980441	222	3.09	YF6165	C61	224	3.82	YF6110	Types 14, 14C, 14PN	214	3.38	YF6133	5Y	286S	3.23
YF6130	544245-6	273C	3.23	<b>HUDSON-TERRAPLANE</b>				<b>MONTGOMERY WARD</b>				<b>YF6146</b>			
YF6130	393884 5	273C	3.23	YF6112	Majestic Head	220B	2.94	YF6123	62-118, 62-166	253	2.65	YF6105	5Y (12V.)	G286S	3.82
YF6130	544267-8	273C	3.23	YF6135	651HE	292	2.65	YF6123	136, 62-138	F253	3.09	YF6106	062, 062A	206	2.94
YF6130	405045-6	273C	3.23	YF6136	666, 668, 680	294	2.65	YF6105	Airline, 62-			YF6107	072, 072A	211	3.38
YF6130	544267-8	273C	3.23	<b>LAFAYETTE</b>				<b>YF6115</b>				<b>YF6106</b>			
YF6130	980507 8-9	273D	3.23	YF6106	S17762	210	3.38	YF6115	136, 62-138	F253	3.09	YF6106	06W (1st)	210	3.38
YF6130	982006 7-8	273C	3.23	YF6133	B-62	286S	3.23	YF6105	Auto Radio	206	2.94	YF6121	06W (2nd)	237	3.38
YF6130	983506	273C	3.23	YF6105	062, 062A	206	2.94	YF6105	Airline, 62-			YF6123	6U, 6S	253	2.65
YF6130	983501	273C	3.23	YF6123	L-30	253	2.65	YF6133	136, 62-138	F253	3.09	YF6145	26B1, 26B5, 32 V. Sets	F253	3.09
<b>CADILLAC</b>				<b>L'TATRO (32 Volt)</b>				<b>MOTOROLA</b>				<b>WESTINGHOUSE</b>			
YF6106	062W Stand.	210	3.38	YF6142	Admiral F293, Captain F913, Commander E83	F204	2.94	YF6136	34	294	2.65	YF6136	WR25 (4 Pr.)	294	2.65
YF6121	062W Master	237	3.38	YF6143	Governor N64, Lt. Governor L54	F211	3.67	YF6138	88	302S	2.94	YF6137	WR26 (6 Pr.)	296	2.65
YF6105	2721 (072)	206	2.94	YF6144	Governor N74, Lt. Governor L74, President L94, Recorder P54	F251	2.94	YF6139	61	303S	2.94	<b>ZENITH</b>			
YF6107	2722 (072A)	211	3.38	<b>PHILCO</b>				<b>RCA-VICTOR</b>				<b>YF6137</b>			
YF6123	6U2	253	2.65	YF6122	All Models	250	2.65	YF6129	*M34, M105, M116, AR4229	273	3.23	YF6137	7, Ford	296	2.65
YF6130	601176	273C	3.23	<b>RCA-VICTOR</b>				<b>YF6123</b>				<b>YF6135</b>			
YF6130	601177	273C	3.23	YF6122	All Models	250	2.65	YF6123	Dual 6, Twin 8 (1934)	253	2.65	YF6135	460, 462, 650HD, 651HE, 660TD, 661TE,	292	2.65
YF6130	601174	273C	3.23	<b>PHILCO</b>				<b>YF6123</b>				<b>YF6136</b>			
YF6130	601662	273C	3.23	YF6122	All Models	250	2.65	YF6123	Dual 6, Twin 8 (1934)	253	2.65	YF6136	668, 680	294	2.65
YF6130	601574	273C	3.23	<b>PHILCO</b>				<b>YF6123</b>				<b>YF6136</b>			
YF6136	985100	294	2.65	YF6122	All Models	250	2.65	YF6123	Dual 6, Twin 8 (1934)	253	2.65	<b>*Following number means that cup adapter is necessary.</b>			
YF6136	985200	294	2.65	<b>PHILCO</b>				<b>YF6123</b>				<b>Cup Adapter, when purchased with vibrator.</b>			
YF6167	985300	273D	3.23	YF6122	All Models	250	2.65	YF6123	Dual 6, Twin 8 (1934)	253	2.65	<b>YF6148—Your Cost ..... 29¢</b>			
												<b>Cup adapter only ..... 59¢</b>			

**Metal Car Antenna**

Two-piece all metal adjustable antenna. 8" wide. Length variable from 3 to 4 feet. Equipped with 2 springs. Shpg. wt. 5 lbs.

YY22043—Your Cost ..... **98¢**

**"Sash Cord" Wire**

Consists of 42 strands of No. 27 copper wire wound on a base of heavy cotton.

YY20900—Per Ft. .... **1 1/2¢**

25 ft. coil ..... **30¢**

**RCA Di-Pole Antenna**

The new RCA Noise-Reducer Auto Antenna, in operation, acts as a counterpoise with the car acting as an antenna. The length and height are adjustable as illustrated. Shpg. wt. 3 lbs.

YY22018—Your Cost Each ..... **\$1.55**

**Double V Auto Antenna Kit**

Similar to the triangle type, but with double lengths of "sash cord" antenna wire for greater pick-up. All mounting hardware furnished. Bakelite insulators. Shpg. wt. 4 lbs.

YR16473—Your Cost Each ..... **\$1.35**

**Triangle Auto Antenna**

Uses genuine Westinghouse Micarta insulators. Sash cord antenna wire sufficiently long for all installations. With tension spring and eye bolt assembly. Antenna lead soldered to lead-in wire. In carton. Shpg. wt. 4 lbs.

YQ16472—Your Cost ..... **59¢**

**Molded Rubber Running Board Antenna**

Finest running board aerial of its type. Provides maximum pick-up. Molded rubber covering overall. Held by two metal clamps at ends. Has 8" overlap at one end that acts as a splash guard; overlap is part of the antenna. All necessary mounting hardware included (two spring bolts, washers, etc.). Easy to install. Shpg. wt. 3 lbs.

YY22020—Your Cost Each ..... **\$1.65**

Replacement Part Headquarters for Dealers and Service Men

# Get on the Political Band-Wagon

This Catalog tells how!



## FOR PROFITS in P.A.

Sound trucks . . . portable P.A. systems . . . permanent P.A. installations . . . are all in greater demand this year because it is a presidential campaign year! Are YOU going to get YOUR share of the profits that are going to be made out of furnishing this equipment?

Political organizations of *all* parties are going to rent, or purchase outright, various types of public address equipment. Are you prepared to rent, or sell, it to them?

Lafayette has prepared a special LIST PRICE catalog to help YOU sell P.A. equipment. And most important of all Lafayette engineers have spent months in the development of new and finer P.A. equipment. Send for your *free* copy of Lafayette's complete P.A. list price catalog No. 64 and get on the political band-wagon with Lafayette for profits in P.A.!

This year Lafayette again helps you to sell P.A. equipment with a new and entirely different LIST PRICE catalog. It is just chock full of new amplifiers . . . new accessories . . . new systems . . . new applications for public address equipment . . . and new ideas for selling P.A. WRITE FOR YOUR FREE COPY on your business letterhead. Address Dept. 63.

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# AUBURN AMPLIFIERS

## Utility Model

- PEAK OUTPUT 5 WATTS
- SPEAKER FIELD SUPPLY
- MIKE CURRENT SUPPLY

Auburn's reputation for quality merchandise at exceptionally low prices has never been equaled. These amplifiers fill a definite need in the sound field and for the first time make possible the purchase of dependable equipment at ridiculously low prices.

### INCORPORATES ALL MODERN FEATURES

This unit is admirably adapted for microphone, radio amplification and phono-pickup work for which high as well as low impedance inputs are furnished.

Another outstanding feature is the provision for supplying microphone current, thus dispensing with the need for external batteries. A symmetrically-wound transformer is used to handle the output of a double-button microphone. Sufficient energy is available for one 2500-ohm speaker field excitation.

Construction and assembly is based upon a sturdy metal chassis finished in gleaming black; its dimensions are: 14x7x6½" deep. Tone and volume controls are mounted on the front panel, terminals on the back. Design is such as to permit a speaker to be mounted on the chassis, thus making for a simple compact unit for easy mounting.

**3½**  
WATTS  
Output



The tube line-up makes use of the new pentodes, 57 and 2A5 power output, as well as an 83 mercury-vapor rectifier. Gain is 76 db, overall. The entire unit can easily be placed in a convenient cabinet or carrying case, and used wherever A.C. is available.

**\$9.45**  
//  
less tubes

**YP15860**—Auburn 3½-watt amplifier, less tubes. Code AMSES. For 110 volts, 50-60 cycles, A.C. Shpg. wt. 12 lbs.

YOUR COST..... **\$9.45**

Kit of tubes, 1-57, 1-2A5, 1-83. Your Cost..... \$1.60

**YW19128**—Speaker with matching transformer. YOUR COST..... **\$3.75**

**YN13384**—Double-button carbon mike. YOUR COST..... **\$3.75**

**YN13540**—Desk-stand for microphone. YOUR COST..... **\$1.18**

Additional microphones are listed on page 30.

## UNIVERSAL AC-DC Utility AMPLIFIER

- Mike Battery Built-In
- Tone and Volume Controls
- High and Low Impedance Inputs



**\$8.75**  
//  
less tubes

In response to a demand for an A.C.-D.C. amplifier of general utility, Auburn has developed this unit. Its applications are numerous in those localities where direct current is still supplied as a commercial source, or where an isolated plant furnishes this output.

### USED WITH MIKE, RADIO OR PHONO-PICKUP

Its output is sufficient to give excellent volume and quality for record reproduction, microphone, and amplification of radio programs. Several suggested uses are: store-window demonstrator's amplifier, class-room demonstrations, inter-desk calling, etc. Many agencies specializing in P.A. rental service keep one on hand to save themselves the trouble of installing a large and complicated system on a job requiring low power.

### INCORPORATES MODERN FEATURES

The price of this amplifier is no gauge as to its quality. It incorporates features found in units selling for many times its cost.

All components are mounted on a strong metal chassis which measures 12" long, 7¼" high and 6½" deep, and is finished in brilliant black.

Three tubes, a 6C6, a 43 and a 25Z5 rectifier, are used in a modern circuit which is capable of excellent quality. Tone and volume controls are mounted on front of chassis. Provisions are included for high or low impedance inputs, and battery current is supplied for the microphone. Will operate on any 110-volt source, A.C. or D.C.

**YP15864**—Auburn A.C.-D.C. utility amplifier, less tubes. Shpg. wt. 15 lbs.

YOUR COST..... **\$8.95**

Kit of tubes, 1-6C6, 1-43, 1-25Z5. Net..... \$1.63

**YW19129**—Speaker with matching transformer. YOUR COST..... **\$3.75**

**YM13384**—Double-button carbon mike. YOUR COST..... **\$3.75**

**YN13540**—Desk-stand for microphone. YOUR COST..... **\$1.18**

Additional microphones are listed on page 30.

# AUBURN AMPLIFIERS

## MASTER MODEL



**10**  
WATTS  
OUTPUT

A POPULAR SIZE  
UNIT AT A  
POPULAR PRICE

**\$12<sup>50</sup>**  
LESS TUBES

**Model YP15861**—Auburn 10 watt amplifier less tubes. Dimensions 15x8½x8" overall. Shpg. wt. 19 lbs. Code AMRET. For 110v. 60 cycle A.C. operation. List Price \$25.00  
Your Cost ..... **\$12.50**  
Kit of tubes ..... **\$2.84**

- YM13384**—Matched double button carbon microphone. Shpg. wt. 5 lbs. Your Cost ..... **\$3.95**
- YQ16132**—12 ft. mike cable ..... **\$0.60**
- YM13428**—Floor model mike stand. Shpg. wt. 17 lbs. Your Cost ..... **\$4.85**
- YW19126**—Matched 8" dynamic speaker with transformer. Shpg. wt. 8 lbs. Your Cost ..... **\$3.75**

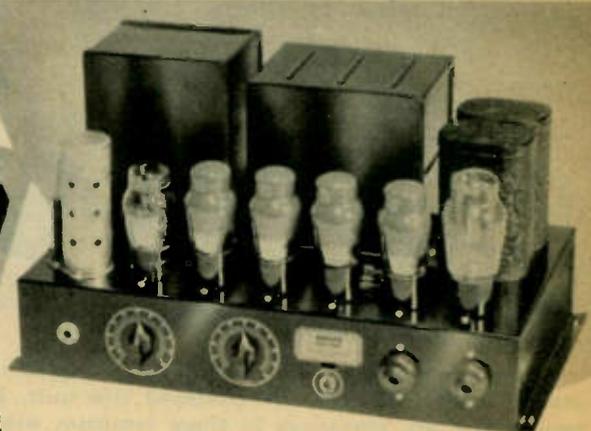
For general P.A. installations and for the amplification of phonograph pickups and radio tuners, this new model Auburn 10 watt amplifier will be found to be an ideal choice. It incorporates many valuable features including: mike current supply for carbon microphones, field supply for one 1000-ohm, 10-watt field or two 2000-ohm, five-watt fields, volume and tone controls, low and high impedance input connections, plug-in output connections. The peak output is 14 watts. Gain is 74 db or more than enough for carbon mikes, phono-pickups and radio tuners. Employs five tubes: 2-2A6, 2-2A5, 1-83. Output load impedance 14,000 ohms. Overall frequency response is especially good—better than most carbon microphones.

# POWER—

## —AT LOW COST

AN OUTSTANDING  
EXAMPLE OF  
AUBURN VALUE

**30**  
WATTS



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

**Model YP15867**—Auburn 30 watt amplifier less tubes. Dimensions 10x17½x10" high. Shpg. wt. 60 lbs. List \$49.90  
Your Cost ..... **\$24.95**  
Kit of tubes ..... **\$5.96**

For the average auditorium, dance hall and wherever considerable power output is required this new Auburn 30 watt amplifier will provide the greatest amount of power per dollar ever offered. It has a peak power output of 35 watts and a frequency response that has a variation of only 2 db from 50 to 10,000 cycles. It supplies field current at 32 watts into 5000 ohms. Gain is 103 db and is sufficient for use with a crystal microphone. Output impedances available are .35/.6/1.35/2/4/6/8/15/50/250/500 ohms. Power consumption is 160 watts. Tubes employed include 1-6C6, 1-6A6, 4-6B5's, 1-83. For 110 volt 50-60 cycle A.C. operation. Has plug-in input and output connections, master gain control and continuously variable tone control. Exceptionally rugged construction throughout.

- YM13363**—Piezo-Astatic crystal microphone with 6 ft. of cable. Shpg. wt. 2 lbs. Your Cost ..... **\$13.23**
- YQ20842**—Additional mike cable for above. Per Foot ..... **\$0.03**
- YM13526**—Floor stand for mike. Shpg. wt. 14 lbs. Your Cost ..... **\$6.95**

FOR SPEAKERS AND BAFFLES SEE PAGE 32  
FOR OTHER SUITABLE MICROPHONES SEE  
PAGE 30 OR CATALOG NUMBER 59.



# AUBURN

## DEMONSTRATOR'S *Portable* AMPLIFYING SYSTEMS...

- SELF-CONTAINED SYSTEMS FOR JSE BY WINDOW AND DEPARTMENT STORE DEMONSTRATORS

**M**ODEL 15866 Auburn Demonstrator System is designed for operation on either alternating or direct current. It is intended for use by demonstrators and others working in large cities where both a.c. and d.c. are used. Model 15866 is a complete compact unit incorporating within a single case a powerful a.c.-d.c. amplifier (which is fully described on page 21 under the model number 15864) and a high efficient dynamic speaker. The only additional equipment required is a carbon microphone (the hand type can be carried inside of the case).

The system can be set up ready for operation at a moments notice. It is easily carried due to its compactness measuring only 13"x8½"x9" high. The case is covered in attractive and serviceable brown leatherette. The speaker opening is protected by a perforated steel screen.

**Model 15866 Auburn A.C.-D.C. Demonstrators' Portable** for operation from either 110 v. 60 cycle a.c. or 110 v. d.c. Less tubes and microphone. Shpg. wt. 25 lbs. List \$33.90  
Your Cost..... **\$16.95**

Kit of tubes 1-6D6, 1-43, 1-25Z5.....\$1.63

**Model 517-P**—Mike combination consisting of a Trutest 13384 double button mike mounted on a model 13540 desk stand and equipped with 25 feet of microphone cable. Shpg. wt. 15 lbs.

Code SVEES. List \$13.10. Your Cost..... **\$6.35**

**M**ODEL 15865 Auburn Demonstrators System is for a.c. operation only. It has an output of 3½ watts, making it ideally suited for use in department stores where some competing noise is present. Model 15865 incorporates the model 15860 amplifier, which is fully described on page 21, and a highly efficient dynamic speaker within a single compact brown leatherette covered carrying case measuring only 13"x8½"x9" high.

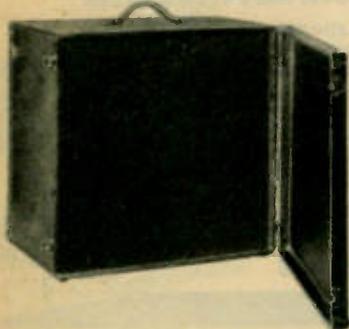
This system is particularly designed for voice amplification and the reproduction is loud and clear, thus making it possible for a demonstrator to talk to a much larger audience than would be possible without it. The microphone can be placed any distance desired away from the amplifier and speaker case without loss in volume or tone. Either hand type, desk type or floor type microphones can be used. No batteries are employed—button current being furnished by the amplifier. This system may also be used with a phonograph pickup to reproduce records and will provide excellent results.

**Model 15865 Auburn A.C. Demonstrators' Portable** for operation from 110 v. 60 cycle alternating current, Less tubes and microphone. Shpg. wt. 27 lbs. List \$35.90

Your Cost..... **\$17.95**

Kit of tubes 1-57, 1-2A5, 1-83. Your Cost..... \$1.60  
Use mike combination 517-P—listed at left or any of the double button carbon microphones listed on page 30 together with a suitable stand and cable.

## Carrying Cases for Amplifiers and Speakers



**Case A** at the upper left is covered with black leatherette and has brass finished hardware. Doors at rear and in front. Front leatherette panel for mounting switches, controls, etc. Overall dimensions 13¾" x 20" x 20" high. Shpg. wt. 25 lbs.

**YY22050**—Case A List \$20.00 Your Cost..... **\$9.95**

**Case B** at lower left covered in black leatherette. Heavily plated hardware. Amplifier is fastened to base as shown. Inside dimensions 17" x 8¾" x 10¼" high. Outside dimensions 18" x 9¼" x 12½" high. Shpg. wt. 18 lbs. List \$14.00

**YY22051**—Case B Your Cost..... **\$6.95**

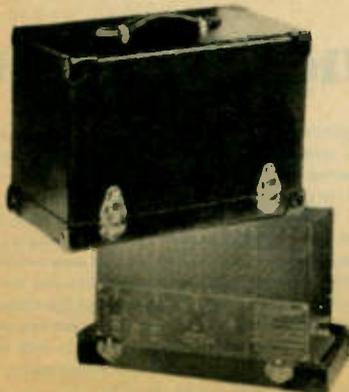
Case illustrated at the right is available in two types—C and D

**Case C** provides space for an amplifier in one half and a speaker in the other. Overall dimensions 13¾" x 20" x 21" high. Speaker opening 9½" provided with steel screen grille. Shpg. wt. 23 lbs. List \$22.00

**YY22052**—Case C Your Cost..... **\$10.95**

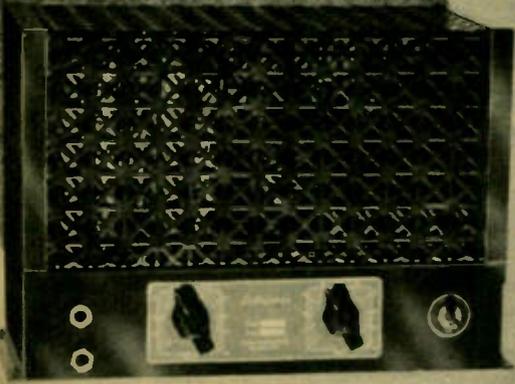
**Case D** is for two speakers—one in each half. Overall dimensions 13¾" x 20" x 21" high. Speaker openings 9½" provided with steel screen grilles. Shpg. wt. 23 lbs. List \$22.00

**YY22053**—Case D Your Cost..... **\$10.95**



# 5 watts

# Lafayette MODEL 236A High-Gain AMPLIFIER



**\$13.45**  
LESS TUBES

### Technical Characteristics

Output:  
Peak 8 watts      Normal 5 watts  
Harmonic content at 5 watts.....6%  
Overall gain.....116 db  
Hum level.....-51 db  
Field supply.....6 watts  
For operation from  
    110 volts, 60 cycles a.c.  
Power consumption  
    from line.....60 watts  
Circuit.....Class "A"  
Output impedance.....7000 ohms  
    Input Impedances:  
High gain 5 Meg.    Low gain ½ Meg.

OUT of the Lafayette laboratories again comes a new and different amplifier. Now the user of low powered equipment can have the same high quality of reproduction—the same rugged construction—and, most important of all, the high gain previously available only in the larger Lafayette models.

Small public address systems, call systems, announcing systems and similar installations can now be used with low level microphones such as the velocity and sound cell types and thereby obtain the excellent results possible with these high-fidelity units.

### MANY OUTSTANDING FEATURES

It is the first really complete low powered amplifier and incorporates such outstanding features as: a four-stage, high-gain circuit, low-gain and high-gain inputs, 6 watts field supply for 1000 ohm speaker field, full-range tone control, fused power line, plug-in input and output connections, low hum level and a protecting steel screen.

Two input circuits are provided: one into the first stage for velocity and sound cell microphones, and a second, into the second stage, for phono pickups, radio tuners and similar high output devices.

**Model 236A**—As described above less tubes. Overall dim. 12"x6<sup>3</sup>/<sub>4</sub>"x7<sup>1</sup>/<sub>4</sub>" high. Shpg. wt. 15 lbs. **\$13.45**  
Code AMROS—List \$26.90 Your Cost.....

Kit of tubes 2-6C6's, 1-6B5, 1-83V. Your Cost.....\$2.99

Supplied to special order for use with photo-cel in out at slightly higher price.

**System No. 567-P** consists of the model 236A amplifier, a model 13363 crystal mike mounted on a model 13526 desk stand and equipped with 12 ft. of cable, a matched 8" speaker and a complete kit of tubes. Shpg. wt. 25 lbs. Code SLEVA. List \$73.50      Your Cost **\$36.75**

**System No. 568-P** similar to the above but with a Lafayette model 13572 velocity mike mounted on a desk stand with 25' of cable. Shpg. wt. 28 lbs. Code SMOVE. List \$88.50      Your Cost **\$44.25**



# Lafayette Hearing-Aid System

EMPLOYING the model 236A amplifier as the basic unit, Lafayette engineers have designed a complete hearing aid system for use in churches, theatres and auditoriums. Many persons are hard of hearing and employ individual hearing aids which unfortunately are unsatisfactory for use in churches and theatres where the speaker is a considerable distance away from the listener. For their benefit many churches, and theatres especially, are being equipped with amplified hearing aid systems such as this new Lafayette system. This system is simple in operation, low in cost and easy to install.

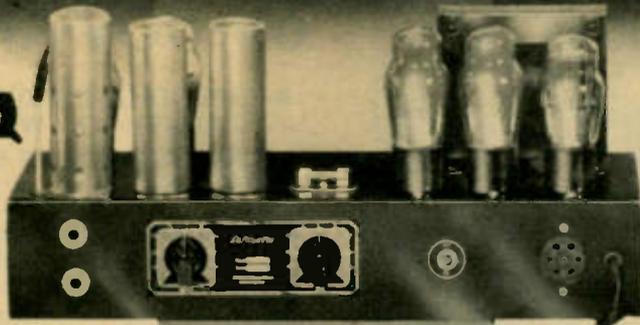
A basic system is available for as little as \$44.98 which will provide listening stations for six persons but does not include the headphones. Since installations of this character will vary according to individual requirements, it is necessary for us to know just how many stations you wish to use, whether the speaker will remain in one position or walk back and forth on the platform, what current supply is available and any other pertinent information you can furnish before an accurate estimate can be given as to the total cost.

A descriptive bulletin is free for the asking.



# VALUE PLUS!

**15 watts  
OUTPUT**



**\$19<sup>95</sup>**

**COMPLETE  
WITH OUTPUT  
TRANSFORMER**

**W**HERE economy is essential yet quality is of prime importance, this new Lafayette model 128A amplifier will be found to be ideally suited. All components are of typical Lafayette quality both in design and material. Only the trimmings which are not absolutely essential have been eliminated. Finish and workmanship are of the finest.

The model 128A has many of the outstanding features of other more expensive models such as: high gain of 125 db permitting the use of low level microphones of either the velocity or sound cell types, gain and tone controls, low gain and high gain inputs, class "A" amplification, fused power line, 16 watts of field supply for speaker fields, variable output impedances, plug-in input and output connections, etc.

Its frequency response is within 2 db

from 50 to 10,000 cycles. The power output of 15 watts (peak 20 watts) makes the 128A an ideal unit for the majority of installations.

The field supply of 16 watts can be used for one 10,000 ohm field or can be divided between two 5,000 ohm fields (8 watts each). Where 4 watts per field is sufficient 4 fields of 2500 ohms each can be used.

A low gain input connection assures maximum performance when used with phono-pickups and radio tuners. Overall dimensions 6½"x17½"x8" high.

**Model 128A** Lafayette 15 watt Amplifier with output transformer but less tubes. Shpg. wt. 26 lbs. Code AMCES.

List \$39.90

**YOUR COST..... \$19.95**

Kit of tubes 1-6C6, 1-6A6, 1-76, 2-6B5, 1-83V

**YOUR COST..... \$4.55**

## TECHNICAL SPECIFICATIONS

### Power output:

Peak..... 20 watts

Max. into 500 ohm line at 9% harmonic content... 15 watts at 6% h. c. 12 watts

Gain..... 125 db

Hum level..... -45 db

Field supply.... 16 watts

Current drain. 120 watts

For operation on 110 volts 50/60 cycles A.C.

### Input impedances:

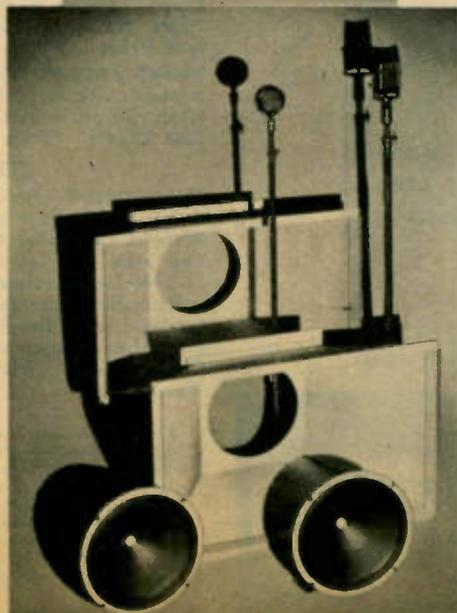
High gain.... 5 Meg.

Low gain.... ½ Meg.

### Output impedances:

.35/.6/1.35/2/4/6/8/15/50/250/500 ohms.

Frequency response within 2 db from 50 to 10,000 cycles.



## COMPLETE SYSTEMS

**System No. 536P**—Consists of the Lafayette model 128A amplifier with tubes, two Lafayette P.A. special speakers, two #19838 flare baffles and a #13363 Piezo-As-tatic crystal mike mounted on a #13528 floor stand and equipped with 25 ft. of cable. Shpg. wt. 63 lbs. Code SLEMA. List Price \$136.40.

**Your Cost... \$68.20**

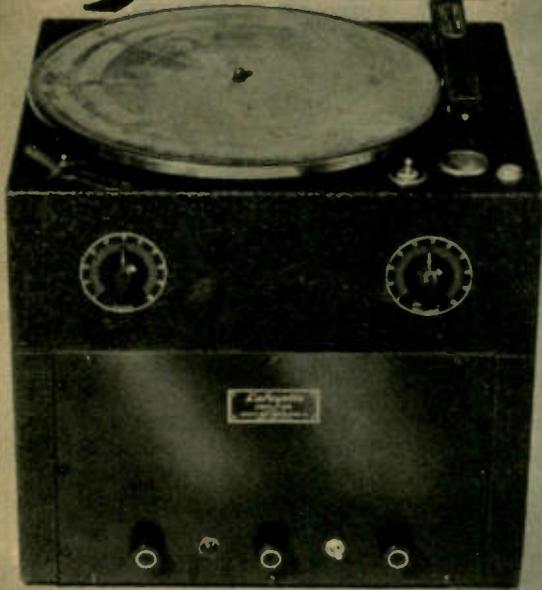
**System No. 537P**—Same as above except for mike. Includes a Lafayette #YN13572 velocity mike instead of crystal mike. Shpg. wt. 64 lbs. Code SLARO. List \$149.80.

**Your Cost..... \$74.90**

**System 538P** with Am-perite RBH mike in-stead of Lafayette. Code SENLA. List \$159.30.

**Your Cost..... \$79.65**

# 15watts



# PHONO-P.A. Combination 6V-110V-AMPLIFIER

- ESPECIALLY DESIGNED FOR "BALLYHOO" WORK
- CAN BE USED IN PASSENGER CAR OR TRUCK

**T**HIS new amplifier is designed especially for use by political orators and for general ballyhoo work to advertise sales being held by merchants, new films appearing at theatres, etc. The Lafayette combination amplifier is compact enough so that it can be used in the smallest coupe, and is powerful enough for the average small outdoor gathering.

It can be installed permanently or, if preferred, it can be connected so that at a moment's notice it can be removed from the car and be set up in a hall for operation from the 110 v., 60 cycle a.c. line by means of suitable power packs. This versatility lends itself admirably for use in political campaigning where it is used during the day in the car to advertise a meeting to be held that night, and then used in the hall as a regular P.A. system.

The Phono-P.A. Combination incorporates a powerful 12 watt amplifier (for technical specifications see column at left) equipped with a master and a standby switch, a two speed phonograph motor operated from 6v. (not a spring motor), and a crystal pickup equipped with both tone and volume controls. The complete unit is mounted in a steel case with an adjustable side so that the unit can be leveled when placed upon a car seat. All controls face the operator and not the front of the car. Dim. are 11<sup>3</sup>/<sub>4</sub>" x 12<sup>1</sup>/<sub>4</sub>" x 14<sup>3</sup>/<sub>4</sub>" high.

**Model 585-P** Phono-P.A. 6 volt amplifier as described less tubes. Shpg. wt. 72 lbs.

Code SANTE. List Price \$149.00

Your Cost

**\$74.50**

Kit of tubes 1-6C6, 1-6A6, 2-6B5's ..... \$3.77

**Model 1050-PP** Power Pack to operate amplifier only from 110 volts 60 cycle a.c. Dimensions 8<sup>1</sup>/<sub>4</sub>" x 6<sup>1</sup>/<sub>2</sub>" x 6<sup>3</sup>/<sub>8</sub>" high. Shpg. wt. 23 lbs. Code PLEMA.

List Price \$16.50 ..... Your Cost, \$8.25

**Model 1055-PP** Power Pack to operate phonograph motor only on 110 v. 60 cycle a.c. Dim.: 12" x 6" x 4<sup>1</sup>/<sub>2</sub>" high. Shpg. wt. 23 lbs. Code PLAVA.

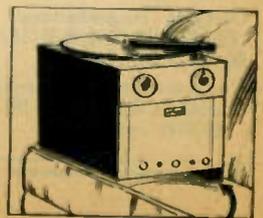
List \$29.00. Your Cost **\$14.50**

### COMPLETE SYSTEM

**Model 518-P**—A complete system ready for operation from the 6 volt car battery. Consists of the two Wright DeCoster trumpets model 2050 illustrated at the left, the hand type crystal microphone Model D-104 also illustrated at the left (a desk or floor type microphone can be substituted at a slight difference in cost), and the Lafayette Phono-P.A. Combination amplifier complete with all tubes. Shpg. wt. 115 lbs. Code SELVO. List Price \$226.14

Your Cost **\$113.07**

The illustration at the right shows a valuable feature of the new Lafayette Phono-P.A. Combination amplifier. The side of the amplifier is adjustable so that the amplifier can be mounted level irrespective of the slope of the seat. This is just another example of the care with which all Lafayette equipment is designed.



LEVEL ADJUSTMENT

YOUR COST **\$74.50**  
LESS TUBES

### Technical Characteristics

Peak output.....18 watts

Maximum output into 500 ohm line at

9% harmonic content.....15 watts

at 6%.....12 watts

Overall gain.....104 db

For operation from

6 Volts d.c. (110 V. 60 cycle a.c.

with Power Packs)

Power consumption

14 amperes at 6 volts

Output impedances

.35/.60/1.35/2/4/6/8/15/50/250

/500 ohms

Input Impedance.....5 Megohms

Phono Motor.....78 and 33<sup>1</sup>/<sub>3</sub> r.p.m.



# Lafayette

## 6 VOLTS D-C TO 110 VOLTS A-C

### CONVERTIBLE AMPLIFIER

- Sound-Proofed Gene-Motor
- Noiseless Electronic Mixer

Sound trucks this year, more than in any previous year, will be in great demand for political rallies and general ballyhoo work. This type of work demands the use of equipment which will provide the highest quality of reproduction. Audiences gathered at street corners to listen to a candidate will want to be able to hear perfectly—if they can't they will simply move on to the next one where they will be able to understand every word. Equipment for this purpose must therefore be powerful and be capable of high fidelity reproduction.

Exceptionally high gain, sufficient for use with velocity and sound cell microphones, is one of the outstanding features of this new Lafayette model 274A amplifier. Now, at last, you can use these excellent high fidelity microphones with a system operated entirely by the 6-volt car battery without resorting to a separate pre-amplifier. Thus by using this amplifier together with a high fidelity microphone, and high fidelity speakers, the finest tone quality possible can be had.

Other unusual features include: a completely housed and sound-proofed gene-motor, noiseless low-level electronic mixing, continuously variable tone control, a master and stand-by switches (to prevent undue current drain while the equipment is not in actual use, yet keeping the tubes heated for immediate operation), variable output impedances providing taps at .35/.6/1.35/2/4/6/8/15/50/250/500 ohms, and a frequency response essentially flat from 50 to 10,000 cycles within 2 db.

Another valuable feature is the ease of conversion from 6 volts d.c. to 110 volts 60 cycle a.c. operation by means of a simple, easily connected, power pack.

**Model 274A**—Six volt convertible amplifier less tubes. Shpg. wt. 50 lbs. Dimensions: 9 1/4" x 17 1/2" x 12" high. Code AREEM. List \$89.00

**YOUR COST** ..... **\$44.50**

Kit of tubes (2-75, 1-53, 1-76, 1-59, 4-79) ..... **\$5.94**

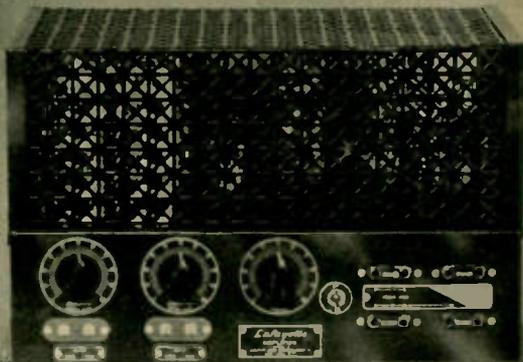
**System No. 534P**—Consists of the Lafayette model 274A amplifier complete with tubes, two Rola high fidelity speakers mounted in aluminum dome baffles, and the Lafayette model 13572 velocity microphone mounted on a desk stand and equipped with 25 feet of microphone cable. Shpg. wt. 120 lbs. Code SIBYL. List Price \$210.00.

Your Cost ..... **\$105.00**

**System No. 535P**—Same as above but with Amperite RBH microphone. Code SYSME. ..... **\$109.75**

FOR A COMPLETE LISTING OF LAFAYETTE AMPLIFIERS OF ALL TYPES SEE CATALOG 59. ALSO WRITE FOR FREE AMPLIFIER BULLETINS.

# 20 watts

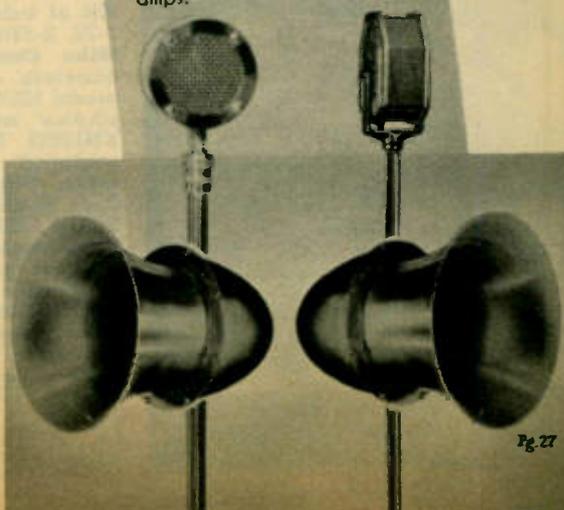


YOUR COST **\$44.50** LESS TUBES



#### TECHNICAL SPECIFICATIONS

Peak Output.....30 watts  
 Max. output into 500 ohms  
 at 90%.....20 watts  
 at 60%.....16 watts  
 Gain.....125 db  
 Input impedances.2 at 5 meg.  
 Output impedances. .35/.6/  
 1.35/2/4/6/8/15/50/  
 250/500 ohms  
 Frequency response essentially flat within 2 db from 50 to 10,000 cycles  
 Current drain. .6 volts at 18 amps.



Model 1055-PP Field exciter for operating up to 3 six volt speaker fields from 110 v. 60 cycle a.c. 4 1/4" x 6" x 12" high. Shps. wt. 10 lbs. Code PLAVA. YOUR COST.....\$14.50



Model 1052-PP a.c. power pack for operating model 274A amplifier on 110 v. 60 cycle a.c. 12" x 7 1/4" x 6 3/4" high. Shpg. wt. 27 lbs. Code PLIRE. List \$17.90 YOUR COST.....\$8.95

# Lafayette 15 WATT Portable

Complete  
WITH TWO  
speakers



## • EXTREMELY COMPACT • ATTRACTIVE DESIGN

Orchestras, Radio stars on-tour, lecturers . . . here is the portable system you have been waiting for! Low in cost—compact—powerful—high gain for use with velocity and sound cell microphones—attractive "airplane type luggage" case—simple operation—everything you have been looking for and at a price that defies competition!

This new Lafayette 15 watt model 583-P portable is the value of the season. We predict that it will be the most popular portable system on the market. Why? Because in designing it Lafayette engineers took into consideration every feature you asked for.

**PORTABILITY?** It is only 17" long, 17" high and 7" wide!

**POWER?** Its rated output of 15 watts makes it suitable for the great majority of installations.

**ATTRACTIVENESS?** Look at its handsome "airplane luggage" case in light gray with contrasting modern striping.

**REPRODUCTION?** High gain of 125 db permits the use of modern high fidelity velocity and sound cell microphones which, together with the large 8½" speakers, provide excellent tone quality.

**OPERATION?** Easily set up and taken down. Plug-in connections on both input and output. Series connected cables on speakers permit one speaker to be 25 feet and the other 50 feet from the amplifier. Separate low gain connection for phono-pickups and radio tuners.

**PRICE?** The model 583-P Portable System as described less tubes and microphone equipment. Shpg. wt. 48 lbs. Net wt. 39 lbs. Code SBACO.

List \$79.00

YOUR COST Only.....

**\$39.50**

Kit of tubes 1-6C6, 1-6A6, 1-76, 2-6B5, 1-83V... **\$4.55**

**Mike Combination 584-P** consists of a Lafayette model 13572 velocity microphone mounted on a YN13528 floor stand and equipped with 25 ft. of cable. Shpg. wt. 22 lbs. Code SEBBE.

YOUR COST..... **\$27.75**

**Combination 580-P** same as above but with Amperite RBH mike.

YOUR COST..... **\$32.50**

**Mike Combination 582-P** consists of a Shure crystal mike mounted on a floor stand NY13528 and equipped with 25 ft. of cable. Shpg. wt. 14 lbs. Code STATE.

YOUR COST..... **\$19.95**



# Lafayette COMPACT Portable System

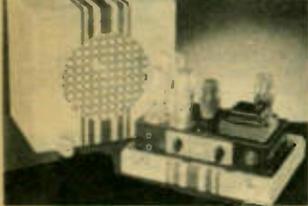
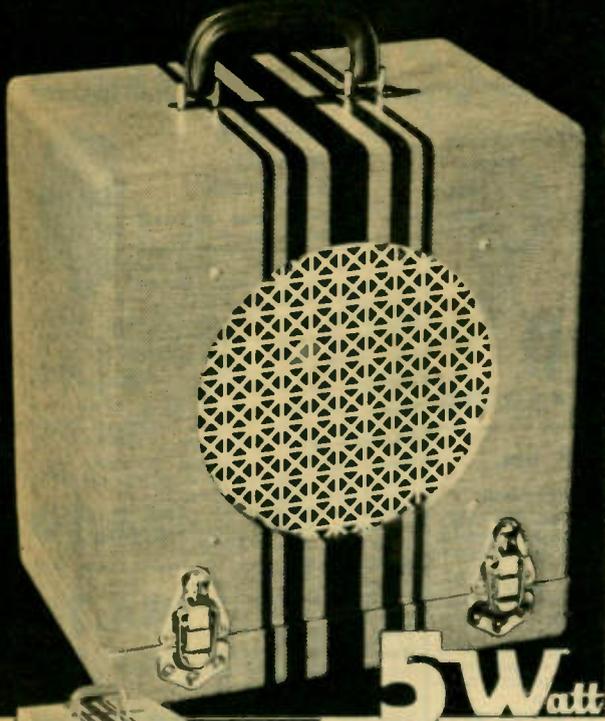
**L**ECTURERS, demonstrators, and other users of small public address systems will appreciate the attractiveness and compactness of this new Lafayette model 544-P portable system. It is the first moderately powered portable which can be used with low level microphones such as the velocity and sound cell types. The amplifier employed is the model 236A which is fully described on page 24. A large 10" speaker is built into the cover which provides an unusually large baffle area. The speaker can be placed on the floor or hung by the handle of the cover. 25 feet of speaker cable is supplied.



CAN BE USED  
with  
VELOCITY  
OR  
CRYSTAL  
MICROPHONES

Both amplifier and speaker are housed within a single case measuring only 13x9 1/4 x 14 3/4" high. The case is covered with an "airplane type" covering in light tan with dark brown striping. Construction is rugged and the 544-P will stand constant day-in and day-out use over a long period of time. Despite its high quality the 544-P is exceptionally low in price. Shpg. wt. 40 lbs. Model 544-P less tubes and microphone.

Code SBETE. List \$53.90 Your Cost ..... **\$26.95**  
Kit of tubes (1-6B5, 2-6C6's, 1-83V). Your Cost ..... \$2.99



# 25 Watt DeLuxe PORTABLE SYSTEM

**T**HE Lafayette model 591-PL DeLuxe Portable System illustrated at the right has proven to be such a popular model that increased production has made possible greater economies which are now reflected in a new low price.

The 591-PL is unusually complete in that it incorporates an electronic three-position mixer with a pre-amplifier on each channel. Any, or all, of the three channels can be used with a velocity microphone, a sound cell microphone, a phonograph pickup, a crystal microphone or a radio tuner. Any of the three inputs can be mixed or faded as desired. In addition a master overall gain control and a tone control are also provided. The output of the system is 25 watts.

All connections are of the plug-in type which permit quick and easy "setting up" and "taking down" of the system. The speakers are of the Rola high fidelity auditorium type and consequently assure the finest quality of reproduction. Each speaker is equipped with 50 feet of connecting cable. The complete system is housed within two compact carrying cases each measuring 19 1/2 x 18 1/2 x 19". Gain of the system is 124 db, and the tubes used include 6-57's, 4-2A3's, 1-83, 1-59 and 1-56.

Model 591-PL complete with speakers but less tubes and mike. Shpg. wt. 175 lbs. Code SLOKE. List Price \$197.00 Your Cost ..... **\$98.50**  
Kit of tubes as listed above ..... \$7.40  
Suitable microphones, microphone stands and microphone cable will be found listed on page 30 of this catalog.



CAN BE USED  
with  
VELOCITY  
OR  
CRYSTAL  
MICROPHONES

# MICROPHONES and ACCESSORIES

## PIEZO-ASTATIC Crystal Microphones

### New Model D-2



Designed under exclusive crystal patents, this new double diaphragm type crystal mike affords excellent frequency and output characteristics. Output level—64 db; response flat within 2 db from 50 to 6000 c.p.s. Extremely small size, "watch-case" type, 2 1/2" diameter by 3/4" thick. All chrome plated finish. Stand fitting thread

for 1/2" male pipe. Furnished with two adapters for 1/4" and 3/8" pipe thread. Complete with 6 ft. of cable. High impedance. Shpg. wt. 2 lbs.

YM13620—List \$25.00  
Your Cost **\$14.70**

Model D-2H—Similar to above, but hand type. Shpg. wt. 2 lbs.  
YM13621—Your Cost **\$16.17**

Model D-2HS—Similar to above, but with "push-to-talk" switch. Shpg. wt. 2 lbs.  
YM13622—Your Cost **\$16.46**

Model D-104—Single diaphragm type. Output level—64 db. High impedance. Excellent response. With 6 ft. cable. 3" diam., 1" thick. Chrome finish. 3/8"-27 threaded fitting. Shpg. wt. 2 lbs.  
YM13363—Your Cost **\$13.23**

Model D-104H—Same as above, hand type. Shpg. wt. 2 lbs.  
YM13575—Your Cost **\$14.70**

Model D-104HS—Same as above, with "push-to-talk" switch. Shpg. wt. 2 lbs.  
YM13578—Your Cost **\$15.58**

Model L-1—Lapel mike.  
YM13425—Your Cost **\$17.64**

## SHURE "Spheroid" Crystal Mike

Combines high output level with high fidelity non-directional wave response. Employs a newly developed "Grafoil" bimorph crystal element driven by a specially shaped small dural diaphragm. Response within 5 db from 40 to 10,000 c.p.s. Output level approximately—55 db, with 360° pick-up. Only 2 1/4" in diam. Finished in rich rubber black with chromium rings. With plug and stand adapter. Shpg. wt. 1 1/2 lbs. List \$37.50  
YM13510—Your Cost **\$22.05**



## Lafayette P.A.

### Velocity Microphones



For public address use where high-quality speech or music is desired. Each is mounted on a shock-absorber.

YM13571—50-ohm output. 40-10,000 c.p.s. within ±2 db. Output level, minus 64 db, (open line). Shpg. wt. 8 lbs.

YM13572—Same specifications as above, but 200-ohm impedance.

YM13572—Similar to above, but with high-impedance output. Shpg. wt. 8 lbs.

Any of Above Models  
Your Cost Each **\$19.95**

YM13573—Characteristics somewhat short of above. Output, minus 64 db, open line. Output impedance, 50 ohms. Shpg. wt. 8 lbs.

YM13574—Similar to above, but 200 ohms.

YM13575—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13576—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13577—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13578—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13579—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13580—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13581—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13582—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13583—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13584—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13585—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13586—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13587—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13588—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13589—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13590—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13591—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13592—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13593—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13594—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13595—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13596—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13597—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13598—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13599—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13600—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13601—High-impedance. **\$14.95**  
Your Cost, Any Type

YM13602—High-impedance. **\$14.95**  
Your Cost, Any Type

## AMPERITE Velocity Microphones



New triple shielding eliminates every possible source of hum. All furnished with new super-flux nickel aluminum magnets—the finest available. RB-H type can be used with cable length up to 150 ft.

Model RB-H—High impedance type. Output—68 db. Response ± 2 db from 40 to 10,000 c.p.s. Supplied with shock absorber and 25 ft. of cable. Shpg. wt. 8 lbs.  
YM13565—Your Cost Each **\$24.70**

Model RB-BH—Same as above, beam type (directional). Shpg. wt. 8 lbs.  
YM13612—Your Cost Each **\$24.70**

Model RB-M—Output—64 db open line. Response ± 2 db from 40 to 10,000 c.p.s. With 8 ft. of cable. Shpg. wt. 8 lbs.  
YM13613—50 Ohms Imp. **\$24.70**  
YM13614—200 Ohms Imp. **\$24.70**  
Your Cost, Either Type

Model RB-E—Same as above, beam type (directional). Shpg. wt. 8 lbs.  
YM13615—50 Ohms Imp. **\$24.70**  
YM13616—200 Ohms Imp. **\$24.70**  
Your Cost, Either Type

Model RB-S—Especially designed for speech, can also be used for music. Output—68 db, open line. With 8 ft. cable. Shpg. wt. 8 lbs.  
YM13470—50 Ohms Imp. **\$18.82**  
YM13599—200 Ohms Imp. **\$18.82**  
YM13598—High Imp. (RS-H) **\$18.82**  
Your Cost, Any Type

Model SR80—Professional model. Output—88 db (at 200 Ohms). Response ± 1 db over entire audio range. Rugged bronze and steel case. With 25 ft. cable. Shpg. wt. 10 lbs.  
YM13468—50 Ohms Imp. **\$58.80**  
YM13475—200 Ohms Imp. **\$58.80**  
YM13463—High Impedance **\$58.80**  
Your Cost, Any Type

Model SR80—Professional model. Output—88 db (at 200 Ohms). Response ± 1 db over entire audio range. Rugged bronze and steel case. With 25 ft. cable. Shpg. wt. 10 lbs.  
YM13468—50 Ohms Imp. **\$58.80**  
YM13475—200 Ohms Imp. **\$58.80**  
YM13463—High Impedance **\$58.80**  
Your Cost, Any Type

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YM13475—200 Ohms Imp. **\$58.80**  
YM13463—High Impedance **\$58.80**  
Your Cost, Any Type

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YM13475—200 Ohms Imp. **\$58.80**  
YM13463—High Impedance **\$58.80**  
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YM13463—High Impedance **\$58.80**  
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YM13475—200 Ohms Imp. **\$58.80**  
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YM13468—50 Ohms Imp. **\$58.80**  
YM13475—200 Ohms Imp. **\$58.80**  
YM13463—High Impedance **\$58.80**  
Your Cost, Any Type

## Duo-Diaphragm Type



Arranged so that the forces of two opposed diaphragms are applied to one crystal, simultaneous with appropriate damping. Increases efficiency and fidelity characteristics—substantially flat from 20 to 6,000 c.p.s., with a rise of approx. 10 db at 10,000 cycles. Output—75 db, with non-directional characteristics. Excellent for high fidelity P.A. systems, etc. 3/8"-27 thread. Shpg. wt. 2 lbs.

YM13412—Your Cost **\$22.05**

## BRUSH B2S Sound Cell

Uses two piezo-electric crystals connected in series. Excellent frequency characteristics. Ideal for P.A. and broadcast use. Output level—66 db. High impedance; no input transformer needed. In cast aluminum case with screens finished in satin chrome plate. Size 3 1/4"x1 1/2"x1/2". With 15 feet of cable. Base threaded 3/8"-27. Shpg. wt. 2 lbs.

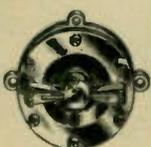
YM13623—Your Cost **\$26.46**

As above, with three prong plug and socket.  
YM13624—Each **\$27.93**

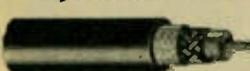


## Model "Twenty-Five" Carbon Mike

A very efficient two-button carbon microphone which will give entirely satisfactory service in less critical public address installations. Frequency response 70 to 4000 cycles. 200 ohms per button. Chromium plated brass frame. Alloy diaphragm with 24K gold contact points. 3" diameter. 2" thick. Shpg. wt. 4 lbs.  
YM13420—Your Cost **\$5.75**



## Crystal Mike Cable



### Flexible-Single Conductor

A flexible stranded tinned copper wire covered with a cotton wrap and lacquered braid shield with a fine tinned copper braid. 1/2" rubber wall. Shpg. wt. 10 lbs., per 100 ft.  
YY2642—Your Cost **3¢**  
Per Foot  
YQ16333—50 Ft. **\$1.30**  
YQ16334—100 Ft. **2.40**

## Stands for Crystal or Ribbon Mikes



Stand on left is an 8" desk stand equipped with a universal ball and socket joint. The joint permits tilting the microphone to any angle. Bright chrome finish. Base 5 1/4". 3/8"-27 thread. Shpg. wt. 5 lbs.  
YM13526—Your Cost **\$3.25**

YM13528—Stand on right is similar to above, but floor type. Can be extended from 37" to 67". Base 9" in diameter. Highly polished chrome plated. Rigid thumb screw height adjustment and swivel joint lock nut. Shpg. wt. 14 lbs. 3/8"-27 fitting.  
Your Cost **\$6.85**

YM13576—Similar to stand on right but with 7 1/2" base. Adjustable from 42" to 74". Polished chrome. Top threaded for 3/8"-27 fitting. Shpg. wt. 10 lbs. Your Cost **\$4.95**

YM13577—Same as above, but with very heavy 10" base. Adjustable from 46" to 77". Heavy chrome plated. 3/8"-27 thread. Shpg. wt. 20 lbs. **\$9.25**  
Your Cost

Telescope Stand. Designed for use where extreme portability is desired. Can be varied from 32" to 66". Base dia. 7 1/2". Chromium finish. Shpg. wt. 10 lbs. **\$5.25**  
YM13588—Your Cost

YM13441—Amperite Floor Stand model FS-13M. Features new patented clutch. 11" base. With safety cord. Plated stand has 3/8"-27 thread. Height 2 ft. 9" to 4 1/2" ft. Shpg. wt. 16 lbs. **\$10.59**  
Your Cost

YM13442—Amperite desk stand. Heavily weighted base 8" in diameter. Finished in black crinkle lacquer. With adapter threaded 3/8"-27 and 1/2" pipe thread. Shpg. wt. 10 lbs. **\$3.53**  
Your Cost



## Thutest

### Carbon Microphone



Large, 2-button mike, 3 1/2" diameter by 2 1/4" thick. Fine response from 60 to over 4000 c.p.s. Dural diaphragm, pure gold (24K) contacts. Shpg. wt. 4 lbs.  
YM13334—Your Cost, Special **\$3.75**

### Thutest Shielded Microphone Cable



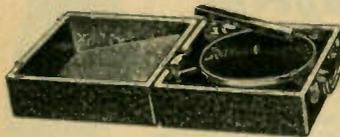
Three color coded conductors in tightly woven tinned copper shield. 1/2" rubber covering.  
YQ16145—Per Foot **4¢**  
12 Ft. **\$0.45** 50 Ft. **\$1.60**  
25 Ft. **.85** 100 Ft. **3.10**  
Two-Wire Cable  
Same as above, two conductor.  
YQ16079—Your Cost, per foot **4¢**  
50 Ft. **\$1.60** 100 Ft. **\$3.10**



# PHONO PICK-UPS AND ACCESSORIES



## PACKARD AUTOMATIC Record Changers



Sturdily constructed. Uses powerful two-speed motor. Plays eight 10" records automatically, repeating or rejecting any record at will. Plays 12" records manually. Last record repeats until switch is turned off. Uses new **piezo crystal high impedance** pickup. Entire unit built of copper plated steel, with all exposed parts finished in staturary bronze. Requires space 17½" long, 5½" high, and 13½" wide. For 110 volts, 60 cycles a.c. Shpg. wt. 30 lbs.

**YY19820**—Record Changer, less case **\$27.81**  
**Your Cost**

**YY21050**—Same as above, but with universal motor for 110 volts a.c. or d.c. **\$32.75**  
**Your Cost**

Portable Carrying Case for above. **YS17766**—Your Cost **\$4.45**

### Model L

Same as the above but plays both 10" and 12" records automatically. Less case.

**YS17754**—110 V., 60 cycles a.c. **\$32.45**

**YS17764**—For 6 volts d.c. **\$37.70**

**YY21053**—Universal Type, for 110 volts a.c. (60 cycles) or d.c. **\$37.39**

Portable Carrying Case for Above. **YS17767**—Your Cost **\$4.75**

## Lafayette

### "Tone Master" Pick-up



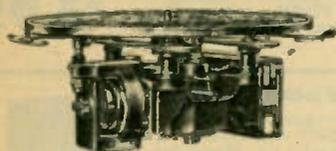
A faithful re-producer of the entire audio range. Gives brilliant results on all

records up to 12". Black crystalline finish. Length 7½" from needle to base center.

**YA142**—Without control. **\$3.95**  
**Your Cost**

**YA144**—With volume control. **\$4.45**  
**Your Cost**

## GREEN FLYER Motors



Either two speed (78 or 33½ r.p.m.) or single speed (78 r.p.m.). Silent laminated spiral cut Bakelite gears are completely enclosed and run in oil. Oversized, self-lubricated bearings. Will not overheat in closed cabinets. 10" turntable. Has dial and pointer. Hardware bronze finished. Shpg. wt. 15 lbs. For 110 volts, 60 cycles a.c.

**YA100**—Two Speed. **\$9.41**  
**Your Cost**

**YA102**—Single Speed. **\$7.35**  
**Your Cost**

**Universal A.C.-D.C. Motor.** 110 Volts. With 10" turntable and automatic stop. 78 r.p.m. recordings only. Shpg. wt. 11 lbs.

**YA126** **\$11.47**  
**Your Cost**

**6 Volt Motor**—Especially designed for sound truck use. Complete with 10" turntable. For 78 and 33½ r.p.m. records. Shpg. wt. 15 lbs.

**YA127**—Two Speed. **\$13.82**  
**Your Cost**

For 12" Turntable add 30c.

### Automatic Stop

For use with above motors. Fully adjustable. Mounts under turntable. **YA135**—Your Cost Each **60c**

## NEW! WEBSTER Crystal Pick-Ups Professional Models

Standard & "HI-FI"



Newly engineered crystal pick-ups housed in rigid but extremely light arms. Element has free motion in all directions. Needle pressure only 2¼ ounces. Each has built-in volume control and scratch filter. Over all length is 14"—needle to base center, 9½". For reproduction of any lateral cut record up to 16". Standard has range of 40 to 8000 cycles; voltage output: 1½; 180,000 ohms impedance at 1000 cycles. High fidelity model: flat within 2 db from 40 to 5000 cycles with rising output to 8000; voltage output: .7; 85000 ohms impedance at 1000 cycles. Both models finished in black enamel, with base, control knob and screws in brushed silver. Shpg. wt. 5 lbs.

**YA145**—Standard Model. **\$11.10**  
**Your Cost**

**YA146**—High fidelity Model. **\$12.45**  
**Your Cost**

### Standard Crystal Model

40 to 8000 C.P.S.



BUILT-IN VOLUME CONTROL

For playing 10" and 12" records. Standard fidelity; response range from 40 to 8000 c.p.s. Impedance 180,000 ohms. Has built-in volume control operated by knob. Light metal frame finished in attractive brown. Can be used with 78 and 33 r.p.m. records. Shpg. wt. 4 lbs. Model X-70A2. **YA460**—Your Cost **\$7.06**

## PIEZO Crystal Pick-Up at New Low Prices



The piezo electric crystal is the most efficient agent known for converting mechanical motion into electrical energy. Ball bearings and extremely light weight make possible the playing of 78 r.p.m. or slow speed records without the use of additional counterbalance weights. Available with 8 or 12-inch arms. Shpg. wt. 4 lbs.

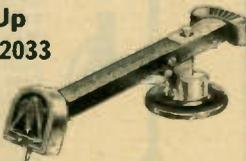
**YA161**—Standard 8" Arm **\$7.06**  
**Your Cost**

**YA162**—Standard 12" Arm **\$8.82**  
**Your Cost**

## AUDAK Electric-Chromatic Pick-Up Model 2033

For use in all types of radio receivers. Fine frequency response. 200, 500 or 7500 ohms impedance. Specify type desired. Shpg. wt. 5 lbs.

**YA452**—Your Cost **\$7.25**



**Model 433**  
A low priced model similar to above. Wide range response. 200, 500 or 7500 ohms impedance. Specify type desired. Shpg. wt. 5 lbs.

**YA454**—Your Cost **\$5.62**

## NEW! PROCTOR Piezo Re-producer



A new pickup designed in the professional manner. Employs piezo-electric crystal. Needle pressure adjustable from 1 to 3 ounces; graduated scale shows exact pressure. Excellent frequency characteristics. High impedance, may be connected directly to input grid. Cast aluminum arm with instrument black finish. 14" long, 3½" high. Shpg. wt. 8 lbs. List \$60.00

**YA164**—Your Cost **\$36.00**

Special Equalizing transformer. Secondary matches 200 or 500 ohm input. Primary has four taps allowing seven frequency adjustments to suit individual requirements. Shpg. wt. 5 lbs. List \$20.00

**YA163**—Your Cost **\$12.00**

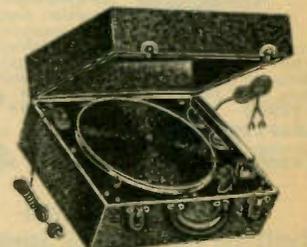
## Lafayette Electric Portables Single Speed—78 R.P.M. At New Low Price!



An exceptionally low priced portable using a Signal single speed motor and an Audak high quality magnetic pick-up. Has built-in volume control and speed regulator. In leatherette covered portable carrying case 15½" wide, 13½" deep and 7½" high. For operation on 13½" deep and 7½" high. For 110 volts, 60 cycles a.c. **Quantity limited.** Shpg. wt. 25 lbs. **YY22049**—Your Cost, Special **\$13.75**

**YY22049**—Your Cost, Special **\$13.75**

## Two-Speed—78 and 33½ R.P.M. With Crystal Pick-Up



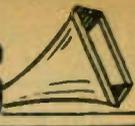
Uses Green Flyer motor (2-speed) and a piezo-crystal pick-up. Excellent frequency and tone characteristics. Built-in volume control with calibrated dial. In Fabricoid case 17¼x13¼x8". Piano hinge. For 110 volts, 60 cycles a.c. Shpg. wt. 25 lbs.

**YY22013**—Your Cost **\$22.75**

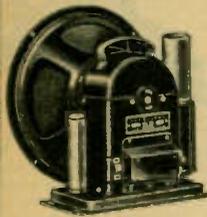
As above, with 6 volt d.c. motor. **YY21057**—Your Cost **\$27.75**

See Catalog No.59 For Further Listings—WRITE FOR FREE COPY

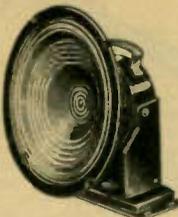
# Public Address Units and Trumpets



## ROLA G-12 "High Fidelity" Speakers



Two speakers, designed to meet the demand for efficient and high fidelity reproduction. Both units use a full 12" cone. D.C. model essentially flat response, 50-8000 cycles with less than 10 db variation. Field resistance 675 ohms for 110 volts d.c., 1000 ohms for 140



volts d.c. and 2500 ohms for 225 volts d.c. Voice coil, 8 ohms. Output transformer (for both d.c. and a.c. Speakers) 250-500 ohms. Other transformers supplied on request at slight additional cost. Dimensions: 12 1/4" wide, 12 1/2" high, 7 3/4" deep. Shpg. wt. 26 lbs.

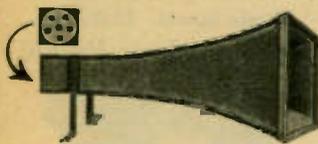
**YW19240**—675 ohm Field  
**YW19241**—2500 Ohm Field  
**YW19244**—2 Ohm Field (6 Volt)  
**Your Cost Each, Any of the above d.c. Models** ..... **\$9.50**

### A.C. Model

Same as above speaker, but with special exciter unit designed by Lafayette engineers. Uses 5Z3 tube. Delivers ample current for full field excitation of this speaker, in an absolutely humless form. Shpg. wt. 30 lbs.

**YW19301**—A.C. Model, less tube. **Your Cost** ..... **\$14.50**

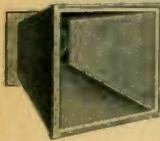
## Lafayette Vari-Acoustic Trumpet



Large speaker size; takes any dynamic up to 12" diameter (Rola G-12, Jensen A-12, etc.) Has adjustable arrangement on back which allows varying of bass response by altering the back pressure. Built throughout of weather-proof material with aluminum finish. Speaker opening 13x13 10 3/4"; opening at bell 25". Can be stored in

space 27x25x3". Shpg. wt. 20 lbs.  
**YW20065**—Your Cost ..... **\$15.95**

## "DEMOUNTABLE" Directional Baffle



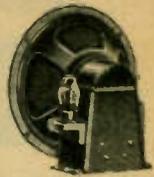
A demountable directional speaker baffle that can be quickly and easily assembled or taken apart in a few minutes with a socket wrench or a pair of pliers. Weatherproof material—aluminum finished. Bell opening 22x23"; length 25". Can be stored in

space 27x25x3". Shpg. wt. 15 lbs.  
**YW20052**—7" opening  
**YW20053**—10" opening  
**Your Cost Either Type** ..... **\$5.40**

## "Demountable" Speaker Housing

For use with either flared or directional baffle. Inside dim., 16x16x11 1/2".  
**YW20051**—Your Cost ..... **\$2.85**

## Special Lafayette 12" A.C. Dynamic Speaker



An exceptionally fine speaker that combines great power handling capacity with wide range response. Cone diameter 12". Heavy field pot will handle 8 watts continuously. Has specially designed field exciter unit using 25Z5 rectifier; absolutely humless. Furnished with output transformer tapped for 200-500 ohm line. Size 12 1/4" high, 12" diameter and 7" deep. Shpg. wt. 10 lbs.

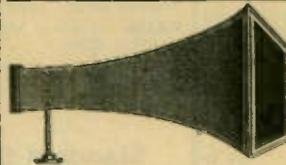
**YW19249**—Lafayette 12" A.C. Speaker, less tube. **\$7.45**  
**Your Cost, Special 25Z5 Tube—Your Cost** ..... **56c**

### D.C. Models

Similar to the above, but without field exciter unit. Complete with transformer for 200-500 ohm line. Shpg. wt. 9 lbs.

**YW19233**—2500 Ohm Field  
**YW19234**—5000 Ohm Field  
**Your Cost, Either Type** ..... **\$5.45**

## All-Metal Trumpet



Takes dynamics up to 12" diameter. Built to U. S. Navy specs. All metal exterior, silver finish, entirely weather and rust proof. Celotex lining. Cloth cover over bell. 4 ft. long, bell 32x26". Speaker bousing 13x13x10 3/4". Flange mtg. Shpg. wt. 28 lbs.

**YY20066**—Your Cost ..... **\$29.50**

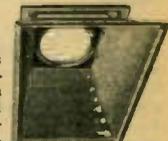
## WRIGHT de COSTER Model 2050 Utility Combination



Combination speaker and trumpet. Trumpet constructed of wood and insulated with a silver finish. Exterior weatherproofed. Has a screen across opening. With built-in 6" dynamic speaker having a 2500 ohm field coil. Voice coil impedance 5.2 ohms. Handles 6 watts (max.) continuously. Overall length 27 1/4"; bell opening 22 1/4x14". Furnished less output transformer. Shpg. wt. 20 lbs.

**YW19187**—Your Cost ..... **\$10.04**

## "DEMOUNTABLE" Flared Baffle



Can be assembled or disassembled in a few minutes with a socket wrench or small pair of pliers. Fastened together with offset spade bolts. Dimensions assembled 13" deep, 30x18" bell. Unassembled

30x16x2 1/2" aluminum finish. Weatherproof material. Shpg. wt. 10 lbs.  
**YY19837**—7" opening  
**YY19838**—10" opening  
**Your Cost, Either Type** ..... **\$3.95**



## All-Aluminum "Dome" Baffle

A new development in directive baffles. All-aluminum construction. Equipped with suspension

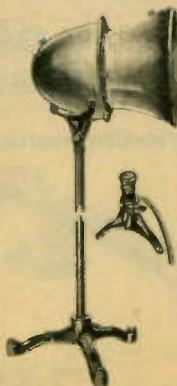
rings. For 12" speakers. Comes with weather proof Snap-on cover. Overall length 20". Diameter of bell 17", length of bell 10". Shpg. wt. 4 lbs.  
**YW20044**—Your Cost ..... **\$5.95**

**ADAPTER RINGS.** For reducing size of opening. State size when ordering.  
**YW20045**—Your Cost Each ..... **44c**

## Dome Baffle with Built-in ROLA G-12 Speaker

Dome baffle as above, but with Rola G-12 d.c. speaker built-in 675 ohm field coil. Transformer for 200-500 ohm line. Shpg. wt. 30 lbs.  
**YW20057**—Your Cost ..... **\$15.45**  
 Same as above, but with a.c. model Rola G-12 speaker. Field supply uses two 25Z5 tubes. Transformer for 200-500 ohm line. Shpg. wt. 34 lbs.  
**YW20058**—Your Cost, Complete with tubes ..... **\$20.45**

## Lafayette P.A. Equipment Floor Stand and Sound Truck Baffles



The floor stand has a three point heavily weighted base (22 lbs.) which offers ample support for the heaviest cone units. Wing nut arrangement permits directing of baffle in any desired position and then locking in place. Stand is 5 ft. high. Stand finished in black crystalline. **Mounting Fixture**, is available as a separate unit. For mounting baffle on any sturdy pipe standard.  
**YW20059**—Floor Stand only **\$14.70**  
 Shpg. wt. 35 lbs. **Your Cost**  
**YW20060**—Mounting Fixture only. Shpg. wt. 4 lbs. **\$5.30**  
**Your Cost**  
 Mounting flange for fixture; has 1" male pipe thread nipple.  
**YW20064**—Your Cost Each ..... **74c**

## Field Supplies

Interchangeable for 1000 or 2500 ohm fields. For 110 volts a.c. Models for 220 volts available at slight additional cost. Single field uses one 25Z5; dual field uses two 25Z5's. In black steel case 7" long, 3 3/4" wide and 6 1/4" high. Shpg. wt. 6 lbs.

**YW19294**—Single, less tube **\$2.85**  
**Your Cost**  
**YW19295**—Dual, less tubes **\$3.95**  
**Your Cost**

## Special Field Exciter 30 Watts (Maximum)

Especially designed for P.A. use. In same case as units described above. Uses either an 80 or an 83V rectifier. Has following specifications: when using an 83V it will deliver 30 watts into a 1000 ohm field (minimum resistance), 24 watts into 1500 ohms, 20 watts into 2000 ohms, 17 watts into 2500 ohms and 11 watts into 5000 ohms. When using an 80, will deliver 18 watts into a 675 ohm field, 16 watts into 100 ohms, 11 watts into 2500 ohms and 8 watts into 5000 ohms. Special heavy duty transformer. Shpg. wt. 8 lbs.

**YW19235**—Your Cost, Special less tube ..... **\$6.95**

# Quality Speakers and Accessories

## Special 9 1/2" Dynamic

A fine quality speaker that will afford excellent tone quality and frequency response. Supplied with 1000, 1800 or 2500 ohm field coil. Universal output transformer furnished; will match all types of output tubes. Specially field resistance desired when ordering. Shpg. wt. 6 lbs.

**YW19120**  
Your Cost, Special **\$2.40**



## 6" Midget Dynamic

Furnished with universal output transformer to match any existing types of output tubes. Speaker frame finished in cadmium plate. Shpg. wt. 6 lbs.

**YW19166**—2500 ohms.  
**YW19122**—6 volt field for auto sets.

**YW19100**—1800 ohms tapped at 300 ohms.  
Your Cost, Any Type, **\$1.59**

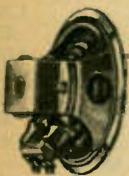


## Special 6" Dynamic

A real bargain in speakers. This midget dynamic is exceptionally well constructed and shows a fine frequency response. Has a standard 1800 ohm field coil. Employs ridged pressed paper cone with scientifically designed spider. All metal parts finished in bright cadmium plate. Shpg. wt. 4 lbs.

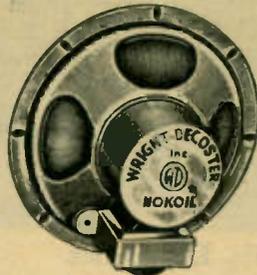
**YW19131**—Less Output Transformer.  
Your Cost, Special **95¢**

**YW19124**—With Transformer for single 47 or 2A5.  
Your Cost, Special **\$1.35**



## NEW! WRIGHT de COSTER "NOKOIL" Dynamic Reproducers

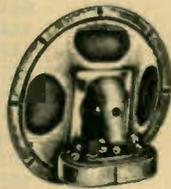
A unique development in dynamic speakers. These speakers make use of a newly discovered magnetic alloy which is capable of lifting over 50 times its own weight. Hence, the magnetic field it provides is tremendously more powerful than that of any other type of permanent magnet speaker on the market today. In performance, the "Nokoil" is equal to electro-dynamics of the same size, and has several outstanding advantages over this type of speaker. These include: no field excitation necessary; units are more compact than electro-dynamics; the "Nokoil" speakers cost less than electro-dynamics of the same size and quality. The life of the "Nokoil" speakers is considerably greater than that of any other permanent magnet unit. "Nokoil" speakers are furnished with universal output transformer to match any output tubes (single or P.P.). Available in 6" and 8" models. Shpg. wt. 5 lbs.



**YW19140**—6" Model (type 695). Outside diameter of cone bracket 6 3/4"; 2 3/4" deep. **Your Cost Each \$3.40**

**YW19141**—8" Model (type 795). Outside diameter of cone bracket 8 1/2"; 3 1/4" deep. **Your Cost Each \$3.89**

## WRIGHT de COSTER "Hyflux" Magnetics



Built to exacting standards to provide the maximum in frequency range, tone quality and performance. Features include: a one piece seamless cone; a metal dustproof cover for the lever arm that insures maintenance of adjustment by preventing infiltration of dust and dirt; a metal dust proof cover over the coil; an easily accessible adjustment screw that enables instantaneous screw driver adjustment; a Bakelite coil form; plated metal frame and housing. Used mainly in hotel and school installations, for auto and battery sets or for extension speakers. Shpg. wt. 3 lbs.

**High Impedance—10,000 Ohms**  
For P.P. output stages using 18, 19, 20, 31, 33, 38, 41, 42, 46, 47, 79, 89, 2A5, 6A4, 6A6, etc. type tubes. For single stages using 38, 49 or 12A7 type tubes. Or for any output stage, single or p.p., having primary load of from 10,000 to 18,000 ohms.

**YW19142**—6" Model. **Your Cost Each \$1.96**

**YW19143**—8" Model. **Your Cost Each \$2.20**

**Medium Impedance—7,000 Ohms**  
For P.P. output stages using 43, 45, 71A, etc. tubes. For single stages using 10, 18, 19, 20, 31, 33, 38, 41, 42, 43, 46, 47, 49, 59, 89, 2A5, LA, GA, etc. type tubes. Or for any single or p.p. output stage having a total primary load of from 7,000 to 12,000 ohms.

**YW19144**—6" Model. **Your Cost Each \$1.96**

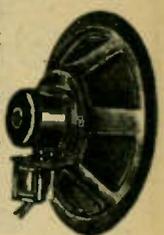
**YW19145**—8" Model. **Your Cost Each \$2.20**

Wright de Coster "Nokoil" and "Hyflux" speakers are available with special impedances. Prices quoted on request.

## 11" Dynamic Speaker

For use in large consoles, and small or medium-sized amplifiers. Has excellent frequency response. Field resistance 2,500 ohms. Furnished with universal output transformer for any power tube. Shpg. wt. 13 lbs.

**YW19290**  
Your Cost **\$3.40**



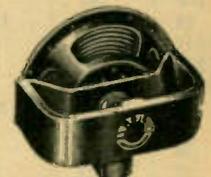
## Special 5" Magnetic

For replacement in a.c.-d.c. or compact receivers. Very sensitive and pleasing tone when properly baffled. Rugged construction, corrugated type cone for improving response. Frame cadmium plated. Shpg. wt. 3 lbs.

**YW19230**—Your Cost **85¢**



## ROLA P.M. Speakers



**Type PM-8**—Equal to the finest electro-magnetic energized type. Employs finest grade of heavy magnet. Has dome center shield. With transformer. Outside diam. 8 1/2". Shpg. wt. 9 lbs.

**YW19346**—P.P. 45's, 50's.  
**YW19347**—P.P. 46's, 47's, 2A5's.  
Your Cost, Either Type **\$6.70**

**Type PM-6**—Same as above, but 6" outside diam. With transformer for P.P. 45's, 50's.  
**YW19348**—Your Cost **\$5.75**

## RCA Magnetic Speaker Coils

RCA part no. 708. Used in RCA 30, Victor combinations, and 100 speakers. Also W.E. 1/2" O.D., 1/4" thick, 1/2" hole.

**YW19201**  
Your Cost, Special **19¢**

**YW19212**—Coils for 100A, 100B and 103 speakers. 1 1/2" diameter, 1/2" thick, 1/4" hole.  
Your Cost, Special **19¢**



## Coils for UTAH Orthovox Magnetics

**YW19440**—For High Impedance speakers. 10,000 ohms.  
**YW19441**—For Medium Impedance Speakers. 7,000 ohms.  
**YW19442**—For Low Impedance Speakers. 3,000 ohms.  
**YW19443**—For speakers with 1,000 ohms impedance.  
**YW19444**—For speakers with 500 ohms impedance.  
Your Cost per Pair, Any Above Type **45¢**

## Exact Duplicate Replacement Cones

Stock No.	Name and Model	O.D. In.	Your Cost
<b>YW19501</b>	Atwater-Kent 43, 46, 55, 60, 64, 66, 67, F4, No. 15142	10 3/4"	\$1.10
<b>YW19617</b>	Crosley M45, 40S.	9"	1.15
<b>YW19519</b>	Jensen D7, D8.	11 1/4"	1.35
<b>YW19645</b>	Jensen D9 (In. Spider)	11 1/4"	1.25
<b>YW19530</b>	Majestic G1.	9"	.84
<b>YW19531</b>	Majestic G2.	9"	.84
<b>YW19640</b>	Rola F5.	6 1/4"	.95
<b>YW19571</b>	Victor '32, 45, 52, 75.	9"	.73

## Genuine RCA-Victor Speaker Cones

**YW19403**—For 106 speaker. Part No. 8558. **Your Cost \$1.20**

**YW19405**—For models 32, 45, 52 75. Part No. 10801. **Your Cost Each \$1.20**

**YW19775**—For M34, M105. Part No. 9023. **Your Cost Each 60¢**

## Replacement Speaker Field Coils

Stock No.	Name and Model	Ohms	Your Cost
<b>YW19686</b>	Crosley 57, 58, 59, 269	10000	\$2.29
<b>YW19446</b>	Majestic G1.	3100	3.15
<b>YW19447</b>	Majestic G2.	2730	3.15
<b>YW19411</b>	Rola F4.	3000	.59
<b>YW19486</b>	Victor '32, 45, 75.	3000	1.75

For Apex—Gloritone—U. S. Radio and Television—Montgomery Ward. Chassis 26. 11,500 ohms tapped at 9040 ohms. Three sizes.

**YW19450**—2 3/4" diam., 1 1/2" deep. 1 1/2" hole. **Your Cost 89¢**

**YW19655**—2 1/4" diam., 3/4" deep, 1 1/2" hole.

**YW19656**—2 1/4" diam., 1 3/8" deep, 1 1/2" hole. **Your Cost, Either Type \$1.42**

A complete listing of quality speakers and speaker accessories will be found in Catalog 59 on page 85. Write for a free copy in the event that you have none.

## Cone Cement Kit



An efficient radio repair cement kit for speaker cones, voice coils, r.f. coils and chokes, etc. Contains one bottle of all purpose cement and one bottle of thinner. Handy brush included. Shpg. wt. 1 lb.

**YW19499**  
Your Cost Each **34¢**

## Cone Centering Shims

A kit of flexible celluloid shims that will last indefinitely. Consists of 16 shims in a handy leatherette folder. Contains four each of the following sizes: .0125", .010", .0075" and .005". Will service all types of speakers.

**YW19645**  
Your Cost Per Set **29¢**

We Will Not Knowingly Be Undersold

# RADIO TUBES



## Additional 10% Discount

Servicemen and dealers will find it profitable to make their tube purchases at Wholesale Radio Service Co. Inc. An additional discount of 10%, deducted from Net Cost, is available with each purchase of 25, or more, RCA or Raytheon tubes. Take advantage of this offer for increased profits.

## Six Months Guarantee

The tubes listed below are the standards of excellence the world over, and we back this fact with a six-month guarantee. Should any tube purchased from us fail to give efficient service for that period, it will be cheerfully replaced. Burnouts and broken glass are, of course, excepted.

## Standard Glass-Type Tubes

Type	NET COST			Type	NET COST			Type	NET COST		
	RCA	Raytheon	Lafayette		RCA	Raytheon	Lafayette		RCA	Raytheon	Lafayette
00A	\$.73	\$.69	—	47	.52	.51	.45	6A3	—	.80	—
01A	.34	.33	\$.28	48	1.47	1.33	1.25	6A4	.73	.69	.62
1	.73	—	—	49	.58	.56	.49	6A6	.73	.69	.62
1-V	.52	.51	.45	50	1.47	1.33	1.25	6A7	.73	.69	.62
10	1.18	1.07	.99	52	—	.87	—	2A7	.73	.69	.62
WD11	.73	.69	—	53	.73	.69	.62	1B4	1.03	1.03	—
WX12	.73	.69	—	55	.58	.56	.49	1B5-25S	.73	.69	—
112A	.40	.38	.34	56	.40	.38	.34	2B6	—	—	1.20
15	—	1.02	—	57	.52	.51	.45	2B7	.73	.69	.62
19	.58	.56	.49	58	.52	.51	.45	6B5	—	—	1.05
20	.58	.56	.53	59	.73	.69	.62	6B7	.73	.69	.62
22	.73	.69	.62	71A	.40	.38	.34	1C6	.88	.82	.75
24A	.52	.51	.45	75	.58	.56	.49	6C6	.58	.56	.49
26	.34	.33	.28	76	.40	.38	.34	6D6	.52	.51	.45
27	.40	.38	.34	77	.58	.56	.49	6E5	.88	.80	—
29	—	—	1.65	78	.58	.56	.49	6E6	.88	.87	—
30	.40	.38	.34	79	.73	.69	.62	6F7	.88	.82	.75
31	.40	.38	.34	80	.34	.33	.29	5Z3	.52	.51	.45
32	.73	.69	.63	81	1.18	1.07	.99	12A5	—	1.07	.93
33	.58	.56	.49	82	.52	.51	.45	12A7	—	1.13	.99
34	.73	.69	.62	83	.52	.51	.45	12Z3	.58	.56	.49
35-51	.52	.51	.45	83-V	.88	.82	.75	25Z5	.58	.56	.49
36	.52	.51	.45	84-6Z4	.73	.69	.62	874	2.88	—	—
37	.40	.38	.34	85	.58	.56	.49	876	3.94	—	—
38	.52	.51	.45	89	.58	.56	.49	886	3.97	—	—
39-44	.52	.51	.45	V99	.58	.56	.49	182B	—	.84	.80
40	.40	.38	—	X99	.58	.56	.49	183	—	.84	.80
41	.52	.51	.45	1A4	.88	.75	—	485	—	.74	.75
42	.58	.56	.49	1A6	.73	.69	.62	BA	—	3.77	—
43	.58	.56	.49	2A3	.73	.69	.62	BH	—	2.34	—
45	.40	.38	.34	2A5	.58	.56	.49	BR	—	1.38	—
46	.58	.56	.49	2A6	.58	.56	.49				

### New Tube Manuals



Invaluable to every serviceman. This is the second edition of the Socket Layout Guide, and gives tube complements and socket layout diagrams of the principal makes and models of receivers from 1932 to date. Tube complements without diagrams are given for sets issued from 1921 to 1932. 266 pages; 8x4½". Shpg. wt. 2 lbs.

**YP15188—Tube Lay-Out Guide**  
Your Cost, Per Copy ..... **50¢**

#### RCA Glass Tube Manual

Contains 154 pages full of glass-tube data, characteristics, tube theory, applications and circuit design. Latest revision.

**YY22142—**  
Your Cost Per Copy ..... **20¢**

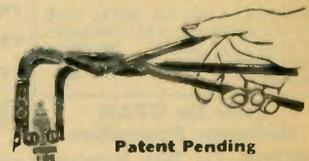
#### RCA Metal Tube Bulletin

Complete characteristics of all-metal type tubes.  
Your Cost Per Copy ..... **10¢**

### New Metal Tubes

Type	RCA	Raytheon
0Z4	—	\$0.98
5Z4	\$0.94	.89
6A8	1.03	.98
6C5	.73	.70
6F5	.73	.70
6F6	.88	.84
6H6	.73	.70
6J7	.94	.89
6K7	.88	.84
6L7	1.03	.98
6Q7	1.18	1.11
6R7	1.18	1.11
25A6	1.03	.98
25Z6	1.03	.98

### NEW! Metal Tube Puller



Patent Pending

A real time and money saver for the serviceman. Extracts metal tubes without damage to tube or socket, prevents burning of hands and speeds up service work. In the majority of cases tubes may be removed from sockets in compact midgets without removing chassis from cabinet. Made of hard alloy and finished in attractive bright nickel. Overall length, 12½", 5" high. Pressure on thumb-lever removes tube from socket after it is gripped.

**YY22130—** Shpg. wt. 2 lbs. .... **\$1.79**  
Your Cost

# TEST INSTRUMENTS *and* TECHNICAL BOOKS

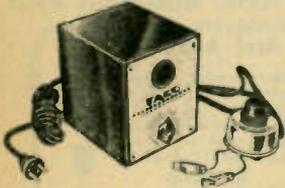
## DAYRAD Portable Tube Tester



Series 27

Here is a portable tubes tester that has everything. Tests all glass and metal tubes, including the new "G" series; high-quality meter calibrated in "Poor" and "Good"; only 3 controls; short and leakage tests pick out noisy and leaky tubes; line adjustment control. Meter designed with strong bridge construction, high torque, jewel bearing, D'Arsonval movement—no more worry about jarring pivots loose. Enclosed in attractive leatherette case, 12x11x5 1/4" with handle. With complete instructions and chart. Shpg. wt. 15 lbs.  
**YJ10509**  
**Your Cost \$24.25**

## TACO Resonance Indicator



An all purpose test instrument utilizing the 6E5 electron-eye tube. Circuit employs two 6H6 metal tubes; one as plate supply, the other as linear diode detector. Instrument can be used to align r. f. and i. f. stages, to check capacitors, resistance, inductance, to check transformers, and for countless other purposes. Housed in brown cracked enamel metal case 4 1/2 x 5 x 5 1/4". The detector tube mounts in the head unit furnished as illustrated. Test leads with spring clips provided. With cord and plug for 110 volts a.c. Shpg. wt. 6 lbs.  
**YJ10900**—Resonance Indicator, less tubes  
**Your Cost \$6.76**

## RCA Service Manuals



A complete series of service manuals covering ALL the RCA receivers made between 1923 and 1934. Stiff fabric covers.

Stock No.	Year	Shpg. Wt. Lbs.
YY19971	1923-1928	3
YY19969	1929-1930	3
YY19997	1931-1932	3
YY19950	1933	3
YY19964	1934	3

**Your Cost, Each Manual \$1.00**



## RCA-VICTOR TEST INSTRUMENTS

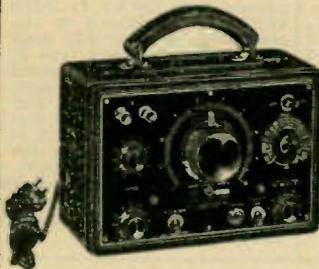
### Test Oscillator Model TMV-97-C



A compact, self contained r.f. oscillator for use with all types of radio receivers. Incorporates all equipment necessary for use with oscillograph. Range covers from 90 to 25,000 kc. (3300 to 12 meters) in 8 steps. Individual coils for each range. Dial calibrated in frequency and is accurate to within plus or minus 3%. Dial has vernier adjustment allowing ratios of 6:1 and 20:1. Circuit employs two 30 tubes and requires one 22 1/2 volt "B" battery and one 4 1/2 volt "C" battery. Signal modulated or unmodulated. In black wrinkle finished aluminum case 8 1/2 x 9 1/2 x 4 1/2". Shpg. wt. 3 1/2 lbs.  
**YJ10561**—Oscillator with tubes, less batteries.  
**Your Cost \$34.50**



## Universal A. C. Bridge No. 9600



Designed for service engineers, laboratories, experimenters, etc. Consists of a variable ratio arm Wheatstone Bridge having three standards each for inductance, capacitance and resistance. Measures inductance from 100 microhenrys to 10 henrys; capacity from 10 micro-microfarads to 10 mfd.; resistance from 1 ohm to 1 megohm. A vacuum tube 1000 cycles oscillator and two stage amplifier, together with their power supplies are built in. A nine position switch allows selection of desired range. Only additional equipment necessary is a null indicator (single high imp. headphone). Tubes used include 1-25Z5, 1-76, 1-6F7. All scales etched on aluminum panel which also contains all controls. Operates on 110 volts a.c., 25 to 60 cycles. In portable aluminum case 6 1/2 x 9 3/4 x 4 1/2"; black wrinkle lacquer finish. Shpg. wt. 7 lbs.  
**YJ10498**—Universal a.c. Bridge, with tubes.  
**Your Cost \$49.65**

## Piezo-Electric Calibrator



An accurate instrument for calibrating receivers, test oscillators and laboratory apparatus. Consists of a crystal oscillator, properly ground and accurately calibrated. Checks frequencies from 100 kc. to 20,000 kc. in 100 kc. steps; 1000 kc. to 50,000 kc. in 1000 kc. steps. Each of these has prolific harmonics which can be used. Each instrument individually calibrated; guaranteed accuracy .05%. Provisions for unmodulated operation provided. Amplifier uses type 955 acorn tube. Operates on 110 volts, 60 cycles a.c. In Bakelite case 5 1/2 x 3 3/4 x 2 3/4". Shpg. wt. 2 lbs.  
**YJ10497**—Piezo Calibrator, with tube.  
**Your Cost \$29.95**

## Books By GHIRARDI and FREED

**Modern Radio Servicing**  
 The facts on servicing Auto Radio, Cathode Ray, All Wave, High Fidelity, etc. 2nd edition. 1300 pages, profusely illustrated. Shpg. wt. 4 lbs.  
**YY22143**  
**Your Cost \$4.00**

**Field Service Data and Answer Book**  
 Reference book with flexible binder. Contains tube charts, wire tables, i. f.'s for standard sets, etc. Remedies for troubles. 240 pages.  
**YY22144**  
**Your Cost \$1.50**

**Above two books, purchased together—Your Cost \$5.00**

**Radio Physics Course**  
 A complete radio and electrical course answering all questions on radio, electricity, P. E. cells, television and talkies. 2nd edition. 992 pages with 500 illustrations. Shpg. wt. 4 lbs.  
**YY19897**  
**Your Cost \$4.00**

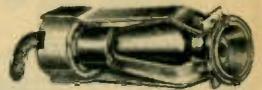
## RIDER'S NO. 6 Manual

Just out. Supplements all other issues. 1250 pages covering all newest sets, glass and metal tubes, etc. 115 manufacturers. Many double page diagrams. 90 page index covering all six volumes. Shpg. wt. 9 lbs. Postpaid east of the Mississippi.  
**YY19942**  
**Your Cost \$7.50**

**Servicing Superheterodynes**  
 By Rider. Answers all questions pertaining to the servicing of superhet radios. In simple, easy to understand language. 163 pages profusely illustrated. Cloth bound. Shpg. wt. 2 lbs.  
**YY19927**—Your Cost **95¢**

**Servicing Receivers By Resistance Measurement**  
 Describes in detail methods for servicing practically any receiver made today. Simple, easily understood language. Bound in serviceable hard covers. 203 pages.  
**YY19928**—Your Cost **95¢**

## 6E5 Resonance Indicator



Designed to modernize sets not provided with tuning indicators. Easy to install. For new 6E5 electron eye tube. Comprises socket, mounting screws, bezel and length of 5 wire cable. Instructions included. Shpg. wt. 2 lbs.  
**YL11480**  
**Your Cost, less tube \$75¢**  
**RCA 6E5 Tube \$8¢**  
 Mounting bezel for 6E5.  
**YL11481**—Your Cost **15¢**

## RACO All-Wave Oscillator



Five bands, all fundamentals, cover from 54 to 17,000 kc. (5500 to 18 meters). Full attenuation control; universal a.c., 60 cycle or d.c. operation (110 volts); modulated or unmodulated signal; direct reading; 2% accuracy. In black cracked metal case 10x6x5 1/4". With instructions. Complete with tubes. Shpg. wt. 8 1/2 lbs.  
**YJ10454**  
**Your Cost \$15.60**

## CLOUGH-BRENGLE OC Signal Generator



Range 50 to 30,000 kc. in six bands; all fundamentals. Dial is 25" long and is divided into 400 divisions providing accuracy of 1-10% in reading. Supplied with 11x17" calibration chart. Continuously variable output 1/2 microvolt to 2 volts. 400 cycle audio note. a.c. or d.c. (110v.) operation. Black crackle case. Shpg. wt. 15 lbs.  
**YJ10833**  
**Your Cost \$32.24**

## The Cathode Ray Tube at Work

By J. F. Rider  
 The theory underlying the functioning of the cathode ray tube fully described. 320 pages. Shpg. wt. 3 lbs.  
**YY20017**  
**Your Cost \$2.45**

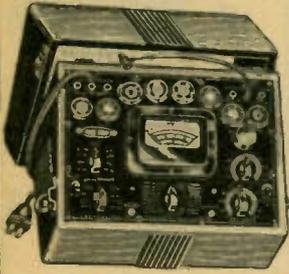


**Servicing and Troubleshooting Charts**  
 A series of charts, in book form, covering the construction, operation, installation and care of Radio receivers—P. A. Systems—Sound Motion Picture Equipment. Over 2000 troubles.  
**YY20029**  
**Your Cost \$1.00**

**NOTE - TECHNICAL BOOKS ARE NOT RETURNABLE**

# TRIPLETT "STANDARD" SERVICE EQUIPMENT

## Model 1501 Multi-Purpose Tester



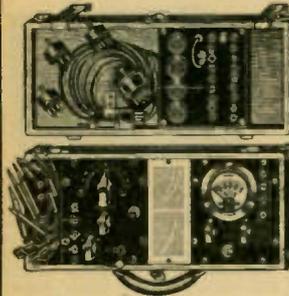
Ten instruments in one. Tests all glass and metal tubes. Neon tube test; neon paper and electrolytic capacitor test; d.c. volt readings: 10, 50, 250, 500, 1000, at 1000 ohms/volt; d.c. ma. readings: 10, 50, 250; a.c. volt readings: 10, 50, 250, 500, 1000, at 400 ohms/volt; ohmmeter reads: 1000-10000-100000-1 meg.-10 meg.; db meter reads: -10-15 db; impedance meter for 60 cycles with charts. Modernistic case for portable or counter use. With instructions. Shpg. wt. 28 lbs.  
**YJ10805—\$45.74**  
 Your Cost

## Model 1210A Glass and Metal Tube Tester



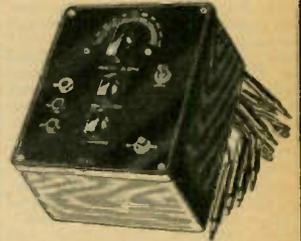
Tests all types of tubes—both glass and metal. Has 3 1/2" quality meter with a colored "Good" and "Bad" scale. Makes all short tests, cathode leakage tests and individual tests on diodes and full-wave rectifiers. Includes rectifier tube and line voltage regulator. Has only 4 sockets, is of the emission type and operates on any 100-130 volt, 60-cycle, a.c. source. No confusion, complications or calculations. New metal case, 7 1/2 x 6 3/4 x 4 3/8". Shpg. wt. 15 lbs.  
**YJ10448—\$19.60**  
 Your Cost

## Portable Laboratory, Model 1181A



Contains volt-ohm-milliammeter, tube tester and all-wave oscillator. A.c.-d.c. meter has sensitivity of 500 microamperes. A.c. or d.c. volts: 15-150-750; d.c. ma.: 1.5-15-150; a.c. ma.: 15-150; ohmmeter; 0-1500 ohms, 0-1.5-3 megohms. Checks all latest type tubes. Oscillator continuously variable: 110-500 kc., 500-3000 kc., 2000-6000 kc., 4000-18000 kc. Hand drawn curves for each range. In oak case, 16 1/2 x 7 1/2 x 4 1/4". Complete with all batteries and accessories. Shpg. wt. 19 lbs.  
**YJ11035—\$37.24**  
 Your Cost

## Model 1230 Signal Generator



The Model 1230 is a stabilized, all-wave, continuously variable signal generator, furnishing frequencies from 100 kc. to 18,000 kc., either modulated or unmodulated. A clear 400 cycle note is generated by a type 30 tube which modulates a second type 30 tube generating the radio frequency carrier. A 22 1/2 volt and two flashlight batteries supply the very small amount of power required to operate the tubes. Through the use of three output jacks and the attenuator the variation of output is obtained. Furnished complete with output leads, full instruction data and tubes and batteries. Shpg. wt. 15 lbs.  
**YJ10463—\$15.02**  
 Your Cost Complete in new metal case

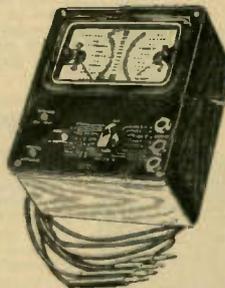
## NEW! Littlefuse Neon Oscilloscope



Make your own oscilloscope for checking wave form, modulation; use it for resonance, r. f. indicator, audio oscillator, output meter for servicing, as a leakage detector, and innumerable experiments. 6" tube, metal mirror, mounting clips in kit with adapter for securing 3x5" mirror to a motor shaft. The other parts are found "kicking" around the average shop. Complete constructional and application details in "QST", October, 1935 issue. New type neon tube is 1/2" in diameter and has 4" electrodes. With full instructions. Shpg. wt. 2 lbs.  
**YJ10978—\$2.00**  
 Your Cost

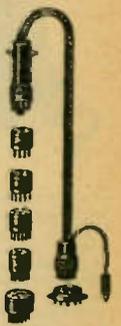
## Model 1200 Dual-Meter Universal Tester

Provides separate meters for both a.c. and d.c.; d.c. meter has a 500 micro-ampere movement accuracy, 2%. D.C. scales: 10-100-250-500-1000 volts, 1-10-100-250 ma., 0-1500 ohms—1 1/2 and 3 megs. A.C. scales: 10-100-250-500-1000 volts. Three jacks for volts, ohms, milliamperes and output volts. Supplied with 22 1/2 and 1 1/2-volt batteries. New metal case, 7 1/2 x 6 3/4 x 4 3/8". Shpg. wt. 12 lbs.  
**YJ10468—\$21.24**  
 Your Cost  
**YJ10494—\$16.33**  
 Your Cost Kit of parts to build above-less case and batteries. With prints. Shpg. wt. 11 lbs.



## NEW! NINE-Wire Octal Analyzer Plug And Adapters

New locking type plug and adapters; quickly released. Plug has double grid stud for glass and metal tubes.

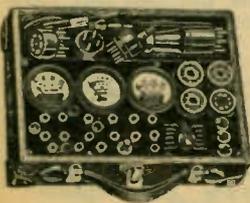


**Adapters**  
 No. Type  
 YL11493—8 to 4.  
 YL11494—8 to 5.  
 YL11495—8 to 6.  
 YL11496—8 to 7S.  
 YL11497—8 to 7L.  
**Your Cost Each 58c**  
 YL11498—Plug only \$1.45  
**Your Cost**  
**Complete Kit**  
 YL11499—Plug with 5-ft. 9-wire cable, grid plug, 8-prong socket for analyzer and above adapters. All shown at right. **\$5.88**  
**Your Cost**

## Model 1220A Free-Point Tester

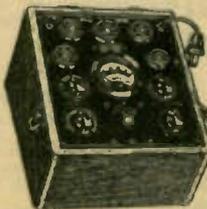
For use with above or similar unit. Services all sets using metal or glass tubes. Has 4 sockets with RMA marking and one 8-prong. Panel includes 8 automatic switch-type and ten single-action jacks. Makes all series and parallel meter connections through the set sockets to all parts of the circuit. Complete with 7-prong cable-plug and 5 tube adapters. In new metal case, 7 1/2 x 6 3/4 x 4 3/8". Shpg. wt. 10 lbs.  
**YJ10478—\$8.16**  
 Your Cost Complete

## READRITE Model 710A Analyzer



A point-to-point tester for glass or metal tube sets. Has an 8-conductor cable and all accessories; d.c. meter reads: 20-60-300-600 volts, d.c. milliammeter: 15-150 ma., and a.c. volometer: 10-140-700. With instructions, resistance and capacitance test charts. Leatherette case, 10 1/2 x 8 1/2 x 4". Shpg. wt. 7 lbs.  
**YK11026—List \$27.50**  
**Your Cost \$16.17**

## READRITE Model 430 Tube Tester



This up-to-the-minute tester is priced to fit the pocket of any serviceman or dealer. Note the features: tests all types of glass and metal tubes, applies proper load to tube being tested, tests for leaks and shorts, uses Triplett model 221 meter with "Good-Bad" scale. Has shadow-type a.c. meter for fine adjustment. For use on 110 volts, 60-cycle a.c. only.  
**YK11000—\$17.64**  
 Your Cost Shpg. wt. 10 lbs.

## READRITE Model 720A Analyzer



Point-to-point tests through an 8-conductor cable on all glass and metal tube sets. D.C. scales are: 15-150-300-600 volts; 15-150 ma. A.C. scale: 10-25-150-750 volts. Measures resistance, capacitance. Complete with instructions and all accessories. Leatherette case, 10 1/2 x 8 1/2 x 4". Shpg. wt. 11 lbs.  
**YK11036—List \$25.00**  
**Your Cost \$14.70**

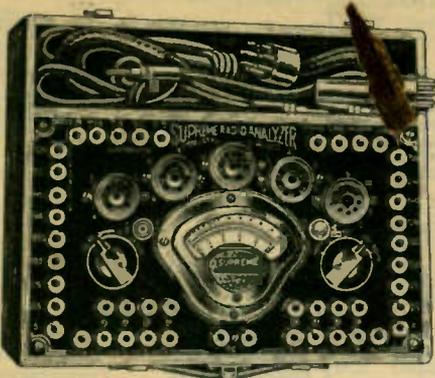
**Model 712A** similar to above but uses a Triplett 1000 ohms volt meter.  
**YK11045—List \$37.00**  
**Your Cost \$21.76**

**Model 431**  
**YK11001**—As above but with READRITE meters. Shpg. wt. 10 lbs.  
**Your Cost \$14.11**

**Model 730A Tester**  
 Same as above but with Triplett 1000 ohms per volt meter. List price \$31.00  
**YK11037—\$18.23**  
 Your Cost

# SUPREME *Testing* EQUIPMENT

## Model 339 DELUXE Analyzer



A combination free reference point tester and analyzer providing complete resistance, voltage and current analysis and tube testing directly from the radio socket. Incorporates self-contained power supply. Tests all tubes including the metal types. All ranges are read directly on the meter scale. The following voltage, current and resistance ranges are provided: d.c. milliamperes of 0/5/25/125/250/500/1250; a.c. and d.c. volt ranges of 0/5/25/125/250/500/1250; capacitance ranges of 0/0.05/0.25/1.25/2.5/5.0/12.5 mfd.; resistance ranges of 0/2,000/20,000/200,000 ohms, and 0/2/20 megohms. All readings through analyzer cable. All plugs, cable and adapters furnished. In oak case with removable lid. Shpg. wt. 16 lbs.

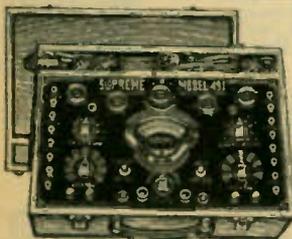
**YJ10876—Your Cost \$39.15**

### Standard Model 339 Analyzer

A model similar to the above but with fewer ranges, and with vertical mounted panel in smaller case. Provides the following ranges: 0/5/125/500/1250 volts a.c. and d.c.; 0/5/125 d.c. milliamperes; 0/2,000/200,000 ohms. All accessories and instruction manual included. Shpg. wt. 11 lbs.

**YJ10875—Your Cost \$29.35**

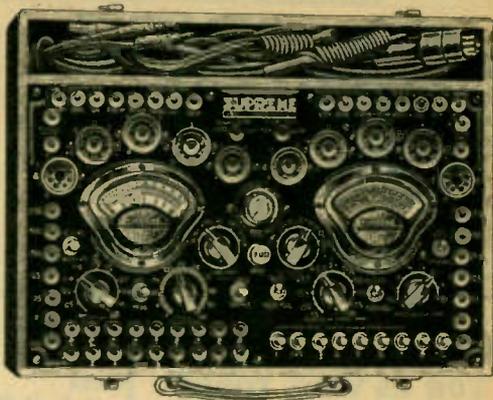
### Public Address Analyzer Model 491



Especially designed for use by P.A., sound and theatre apparatus servicemen. Free reference point system is used, controlled by two rotary switches. Following ranges available: a.c. and d.c. volts from 0/5/25/125/250/500/1250; current from 0/250 d.c. microamps; 0/5/25/125/250/500/1250 d.c. milliamperes and 0/12.5 d.c. amps.; capacitance ranges 0/0.00025/0.0125/0.025/0.05/0.125/0.25/0.5/1.25/2.5/5.0/12.5/25.0/50.0 mfd.; resistance ranges 0/20,000/200,000 ohms and 0/2/20 megohms. Six decibel ranges, scale marked -10/0/+6, and adjustable from -20 to +46 db (zero level 6 milliwatts in 500 ohm line). Full instructions and charts showing use of decibel meter with lines of impedances other than 500 ohms also included. All accessories and adapters for glass and metal tubes included. Adapters for W.E. tubes available on order. In oak case 15x12 1/2 x 5 1/2". Instructions furnished. Shpg. wt. 16 lbs.

**YJ10842—Your Cost \$88.15**

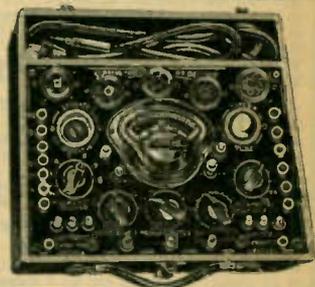
## Model "385" AUTOMATIC Analyzer



A complete portable laboratory incorporating every test device necessary for servicing radio receivers. All tests made accurately and simply by the convenient point-to-point system; all readings directly on meter scales. Following voltage, current and resistance ranges are available: 0/5/25/125/250/500/1250 a.c. and d.c. volts, and d.c. milliamperes; 0/200/2,000/200,000 ohms and 0/2/20 megohms; capacities from 0/0.05/0.25/1.25/2.5/5.0/12.5 mfd. Tests all condensers, paper and electrolytic. An English reading tube tester accommodates all tubes, including all the metal 8-pin types. Includes neon leakage and short test between tube elements. All adapters, plugs and cable included. In oak case 4 1/4 x 13 3/4 x 16 3/4". Instructions furnished. Shpg. wt. 28 lbs.

**YJ10977—Your Cost \$76.39**

### Model 89 DeLuxe Tube Tester



A high quality instrument designed to test all types of glass and the new metal tubes. Employs English reading meter scale and a neon leakage and short tester. Also provides voltage, resistance ranges, condenser, leakage tests and has built-in power supply. All readings indicated directly on meter scale; no charts needed.

Ranges are: 0/5/125/500/1250 volts d.c.; 0/2,000/20,000/200,000 ohms and 0/2/20 megohms. Supplied complete with test leads and instruction manual. In oak case with tube chart in cover. Shpg. wt. 16 lbs.

**YJ10976—Your Cost \$45.03**

### Standard Model 89 Tube Tester

Similar to above, but without voltmeter, ohmmeter and condenser leakage tests; tube tester only. Panel mounted upright in case. Operates on 98 to 125 volts, 60 cycles a.c. only. Shpg. wt. 15 lbs.

**YJ10877—Your Cost \$34.25**

## SUPREME INSTRUMENTS AVAILABLE ON EASY TIME PAYMENT PLAN!

Under the FHA plan, several of the most popular types of Supreme instruments may be purchased on easy time payments. These payments can be arranged to cover periods of 12 or 18 months, and NO DOWN

PAYMENTS ARE REQUIRED. Full details covering this plan will be mailed to those who write to us for particulars. Servicemen and dealers in every part of the country are eligible to take advantage of this plan.

### Precision Volt-Ohmmeter



Ideal for all ordinary service work. Employs a moving coil type meter and provides the following ranges: 0/5/50/500 volts d.c.; 0 to 500,000 ohms. Accuracy 2%. Ohmmeter has zero adjustment. Meter sensitivity 1000 ohms per volt. Supplied with test leads. In black Bakelite case. Shpg. wt. 4 lbs.

**YL1145—Your Cost \$7.79**

### Portable Volt-Ohmmeter



A convenient pocket sized volt-ohmmeter practical for service work. Voltage range 0 to 300 volts d.c.; resistance range 0-10,000 ohms. Magnetic vane type meter. Change from volts to ohms by means of toggle switch. Round seamless black case 3" in diameter by 1 1/2" deep. Has self-contained batteries. Supplied complete with 32 inch test leads. Shpg. wt. 2 lbs.

**YL11451—Your Cost \$2.30**

### Simplex Volt-Ohmmeter



A handy pocket size volt-ohmmeter. Uses a magnetic vane type meter and provides the following ranges: 0/3/30/300 volts d.c.; 0 to 10,000 ohms. Includes self-contained batteries. All scales etched directly on panel. Housed in walnut Bakelite case. Complete with test leads. Shpg. wt. 4 lbs.

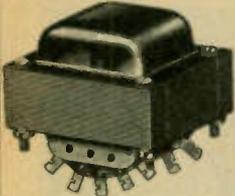
**YL11452—Your Cost \$3.24**

See Catalog No.59 For Further Listings—WRITE FOR FREE COPY



# POWER TRANSFORMER SPECIALS

## Truest POWER TRANSFORMERS



A line of high quality transformers engineered by experts and constructed of the finest materials. Each unit is designed to provide ample safety factor under normal conditions of use. All are fully guaranteed under

R.M.A. standards for a period of 90 days, against electrical or mechanical defects. To simplify installation, each unit is furnished with a schematic diagram showing all terminal connections.

The units listed below, for 2.5 and 6.3 volt sets, are all of the flush mounting type with lug terminals. All primaries for 105-120 volts, 60 cycles a.c.

### FOR 2.5 VOLT TUBES For 5 and 6 Tube Sets

Delivers 700 volts e.t. at 70 ma.; 2.5 volts e.t. at 8.75 amps.; 5 volts at 2 amps.  $3\frac{1}{2} \times 3\frac{1}{4}$ " centers  $3\frac{1}{2} \times 2\frac{1}{2}$ ". Shpg. wt. 6 lbs. **YC1492**

Your Cost Each **\$1.30**

### For 6 and 7 Tube Sets

Delivers 700 volts e.t. at 70 ma.; 2.5 volts e.t. at 7 amps.; 2.5 volts e.t. at 3.5 amps.; 5 volts at 2 amps.  $3\frac{1}{2} \times 3\frac{1}{4}$ " centers  $2\frac{1}{2} \times 3\frac{1}{4}$ ". Shpg. wt. 8 lbs. **YC1505**

Your Cost Each **\$1.40**

### For 8 and 9 Tube Sets

Delivers 700 volts e.t. at 90 ma.; 2.5 volts e.t. at 10.5 amps.; 2.5 volts e.t. at 3 amps.; 5 volts at 2 amps.  $3\frac{1}{2} \times 3\frac{1}{4}$ " centers  $2\frac{1}{2} \times 3\frac{1}{2}$ ". Shpg. wt. 8 lbs. **YC1507**

Your Cost Each **\$1.70**

### For 10 and 12 Tube Sets

Delivers 700 volts e.t. at 110 ma.; 2.5 volts e.t. at 15.25 amps.; 2.5 volts e.t. at 3.5 amps.; 5 volts at 3 amps.  $4\frac{1}{2} \times 3\frac{1}{4}$ " centers  $3 \times 3\frac{1}{4}$ ". Shpg. wt. 9 lbs. **YC1509**

Your Cost Each **\$2.20**

### Special Class B Transformer For 11 Tube Sets

Delivers 800 volts e.t. at 150 ma.; 2.5 volts e.t. at 12 amps.; 2.5 volts e.t. at 5 amps.; 5 volts at 3 amps.  $4\frac{1}{2} \times 3\frac{1}{4}$ " centers  $3 \times 3\frac{1}{4}$ ". Shpg. wt. 10 lbs. **YC1517**

Your Cost Each **\$3.48**

### FOR 6.3 VOLT TUBES For 5 and 6 Tube Sets

Delivers 650 volts e.t. at 50 ma.; 6.3 volts e.t. at 2 amps.; 5 volts at 2 amps.  $3 \times 2\frac{1}{2}$ " centers  $2\frac{1}{2} \times 2$ ". Shpg. wt. 4 lbs. **YC1511**

Your Cost Each **\$1.18**

### For 7 and 8 Tube Sets

Delivers 700 volts e.t. at 90 ma.; 6.3 volts e.t. at 3 amps.; 2.5 volts e.t. at 4 amps.; 5 volts at 2 amps.  $3\frac{1}{2} \times 3\frac{1}{4}$ " centers  $2\frac{1}{2} \times 3\frac{1}{4}$ ". Shpg. wt. 8 lbs. **YC1513**

Your Cost Each **\$2.10**

### For 9 and 10 Tube Sets

Delivers 700 volts e.t. at 100 ma.; 6.3 volts e.t. at 4 amps.; 2.5 volts e.t. at 4 amps.; 5 volts at 3 amps.  $3\frac{1}{2} \times 3\frac{1}{4}$ " centers  $3\frac{1}{2} \times 2\frac{1}{2}$ ". Shpg. wt. 9 lbs. **YC1520**

Your Cost Each **\$2.45**

#### NOTE

We carry a complete line of Lafayette, Thordarson, Jefferson and UTC transformers in stock at all times. For a complete listing, refer to catalog 59. A copy of this 196 page book will be sent free, upon request. A complete listing of exact duplicate transformers is found on pages 130, 131 in catalog 59.

## Exact Duplicate Replacement POWER TRANSFORMERS

Name and Radio Model	Stock No.	Your Cost
<b>ATWATER KENT</b>		
36, 37 and 38	YC2255	\$2.05
40, 56, 57, 42, 44, 45, 52 Complete Pack	YB1376	4.95
43, 46, 47, 53 Complete Pack	YB1375	6.90
55 and 55C, Late Types	YC2446	2.94
60 and 60C	YC2246	3.40
70, 72, 75, L-1, L-2, H-1, H-2	YC2440	3.05
<b>BOSCH</b>		
5, 5A	YC2406	2.95
48	YC2260	3.05
20	YC2432	2.95
<b>BRUNSWICK</b>		
11, 12, 16, 33	YC2083	2.95
15, 22, 32, 42	YBR119	2.25
<b>COLONIAL</b>		
32	YC2279	3.40
33, 34, 35	YC2280	3.90
47	YC2227	2.75
<b>FADA</b>		
41, 42, 44, 46, 47	YC2353	3.70
43, KF, KG, 761, 766, 767	YC2354	3.70
45 (KU)	YC2358	3.70
<b>GENERAL MOTORS</b>		
"A" Chassis, 120, 130, 140, 150, 160	YC2278	2.45
MA and MB Chassis, 110, 180, 190	YC2518	2.20
252, 253, 254, 255, 256, 257	YC2520	2.45
S-1A, 216, 217, 219, 250	YC2521	2.45
<b>MAJESTIC</b>		
70, 71, 72, 7BP6, Plate-Filament	YC2125	3.65
90, 91, 92, 9BP6 Plate-Filament	YC2100	2.65
70 Series, Filament Transformer 7BP6	YC2105	2.29
90-B, 100-B	YC2127	2.70
25 Series	YC2128	3.20
300, 300A	YC2044	3.25
310A, 311	YC2045	2.10
310B, 314, 315	YC2046	2.25
330, 331, 336, 77	YC2047	1.95
380, 381	YC2016	1.70
<b>PHILCO</b>		
15	YC1909	2.35
20 and 220	YC1955	2.35
70	YC1957	2.35
86	YC1960	2.35
90 (2-45's)	YC1961	2.35
90 (1-47)	YC1952	2.35
90 (2-47's)	YC1953	2.35
91, Code 121	YC1911	2.35
111, 211	YC1963	2.35
112, 212	YC1954	2.35
<b>RCA-VICTOR</b>		
60, 62	YC2153	2.50
66	YC2154	2.90
64, 67	YC2157	7.50
Radiolette (4 tube)	YC2188	1.95
R-11, 18, 18A	YC2189	3.20
R-50, R-55, RE-20	YC2190	2.75
R-8, R-10, R-12	YC2112	2.45
R-71, R-72	YC2117	2.95
R-4, R-6	YC2454	1.65
140, 141, 141E, 240	YC2010	4.10
R90, R90P, 260	YC2014	5.10
330, 331	YC2015	2.88
R-32, 52, RE45, RE75	YC2185	2.65
R74, 76, 77, RE81	YC2007	3.95
R7 Superette	YC2187	1.95
R100, 101	YC2011	1.92
R100, 101, 25 cycle	YC2018	3.95
<b>SPARTON</b>		
600, 610, 620, 737	YA236	3.45
410, 420	YA250	2.94
25, 26, 30, 45	YA251	3.68
<b>STEWART-WARNER</b>		
950 Series, 951, 952, 953, 961, 962, 963	YC2272	2.80
100A, 100B	YC2242	3.65
102, A, B, E	YC2214	2.90
R-119	YC1804	1.95
<b>STROMBERG-CARLSON</b>		
10, 11, 25, 26	YC2370	3.45
10, 20, 22, 22A	YC2371	3.75
37	YE5622	3.95
641, 642, 652, 654	YC2257	3.40
60	YC1833	3.45
<b>ZENITH</b>		
50, 60, 70 Series: ZE-50, ZE-60, ZE-70 Power Units	YC1980	3.20
10, 11, 12	YC1981	3.20

## LOW PRICED POWER TRANSFORMERS

For 4 Tube Midget

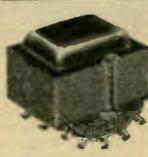
For 2 Heater Tubes

1 Power Tube

and 1-80 Rectifier



MOUNTING AREA:  $3 \times 2\frac{1}{2}$ "  
MOUNTING DIMENSIONS:  $2\frac{1}{2} \times 2$ "  
PRIMARY: 115 volts, 50-60 cycles.  
SECONDARIES: 650 volts e.t.—40 ma.  
2.5 volts e.t., 3.75 amps. For 2 heaters and 1 power tube, 5 volts, 2 amps. for 80 filament.  
Flush mounting.  
**YC1521**—Shpg. wt. 4 lbs. **63¢**  
Your Cost Each

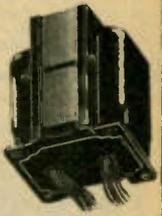


6.3 V., 4 and 5 Tube Power Transformers

Flush type mounting. 4 tube transformer contains 1—e.t. 650 V. at 40 ma., 1—6.3 V. secondary at 1.6 A., and 1—5 V. at 2 A.  
Dim.— $3 \times 2\frac{1}{2}$ ". 5 tube transformer has 1—e.t. 650 V. secondary at 45 ma., 1—6.3 V. at 2 A. winding, and 1—5 V. at 2 amps.  
**YE5635**—4 Tube Trans. Shpg. wt. 3 lbs. **75¢**  
Your Cost, Special  
**YE5636**—5 Tube Trans. Shpg. wt. 4 lbs. **95¢**  
Your Cost, Special

### THORDARSON High Power Transformer

Has following windings: High voltage delivers 1200 volts e.t. at 200 ma.; 2.5 volts e.t. at 10 amps.; 7.5 volts e.t. at 3 amps.; 5 volts at 3 amps. (for rectifier). Primary for 115 volts, 60 cycles a.c.  $5 \times 4 \times 1\frac{1}{4}$ ". Mounting centers  $3 \times 3$ ". Shpg. wt. 12 lbs. **YA226**



Your Cost **\$2.45**

### Truest TUBE TESTER Filament Transformer

This unit supplies all necessary voltages for testing tubes of every kind. Can also be used for various other practical or experimental purposes, such as bell ringing, panel lamp outfits, etc. Compact in size. Has long leads, each color coded. Primary tapped for 105, 115, and 125 volts, 50-60 cycles a.c. Secondary is a single winding and supplies the following voltages:  $1\frac{1}{2}$ , 2,  $2\frac{1}{2}$ , 3.3, 5, 6.3,  $7\frac{1}{2}$ , 15, 25 and 30 volts. Shpg. wt. 3 lbs. **YC1967**



Your Cost **\$1.20**

### Step-Down Transformer 220 Volts to 110 Volts

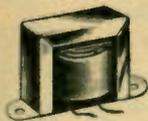
Fully shielded with 6 foot heavy lamp cord for 220 volt line, and flush receptacle for 110 volt side. Size  $3\frac{1}{2} \times 4 \times 5\frac{1}{2}$ " high; mounting centers  $2\frac{1}{2} \times 3\frac{1}{2}$ ". For receivers and appliances drawing up to 160 watts. Shpg. wt. 9 lbs. **YC1968**



Your Cost **\$2.80**  
Same as above, but for appliances drawing up to 80 watts. Shpg. wt. 6 lbs. **YC1969**—Your Cost **\$2.05**

# all Purpose AUDIO TRANSFORMERS

## Audio Transformer Selection



**Inputs, Outputs  
and  
Straight Audios**



In this instance, only a "lucky" buy of these standard audio components enables us to offer them at these exceptionally low prices. All are of high quality, affording fine results. Units listed are of the popular strap mounting type, approximately 3x2 1/2 x 2 1/2". Quantities limited, get yours now. Shpg. wt. 2 lbs.

**YC1843**—P.P. Input Transformer. Ratio 3:1. **Your Cost 43¢**  
**YES500**—Plain Audio. Ratio 3:1.  
**YES502**—Output Transformer. To match single 45 or 71A to a 5-15 ohm voice coil.  
**YES503**—Output Transformer. To match P.P. 45's or 71 A's to a 5-15

ohm voice coil.  
**YES504**—Output Transformer. To match single 47 or 2A5 to a 5-15 ohm voice coil.  
**YES505**—Output Transformer. To match P.P. 47's or 2A5's to a 5-15 ohm voice coil.  
**Your Cost Each, Any Type 39¢**

## BARGAINS!—In Oversize Audios

High quality transformers ideal for use in public address amplifiers, receivers, etc. All large, oversized core units, built for lasting service. Properly designed for the use specified. Provide excellent frequency characteristics. Type A is approximately 2 3/4 x 2 3/4 x 3 1/4", with solder lug terminals at the bottom; type B is similar to type A, except that solder lug terminals are at the side. All are fully cased. At the prices at which they are being offered, it will pay you to keep several units in stock at all times.



**YC1932**—Push-Pull Input. Type A. Shpg. wt. 2 lbs. **Your Cost, Special 83¢**  
**YC1913**—Straight Audio. Type A. Ratio 3:1. Shpg. wt. 2 lbs. **Your Cost 49¢**  
**YES5637**—Audio Choke. 30h. 280 ohms d.c. Shpg. wt. 2 lbs. **Your Cost 59¢**

**YC1846**—P.P. Input. Type B. **Your Cost 85¢**  
**YC1841**—Plain Audio. Type B. **Your Cost 69¢**  
**YC1923**—Double button microphone transformer. 200 ohms each side of c.t. Type B mounting. Shpg. wt. 2 1/2 lbs. **Your Cost 95¢**

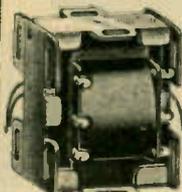
## Fully Cased P.P. Input Transformer



These units are offered at an exceptionally low price. Well made, fully shielded transformers with excellent frequency characteristics. High grade lamination material, high voltage insulation and moisture proof insulation are features. Lug terminals at bottom. Ideal for all types of general replacement work. Shpg. wt. 2 lbs.

**YC1912**—P.P. Input **Your Cost 58¢**

## Universal Output Transformer



Has a combination of taps to feed from single or P.P. output stages to any voice coil from 2 to 30 ohms, in 2 ohm steps. Unit can be mounted on end or sides. Slots in base allow wide mounting range. Some of the tubes with which unit can be used are: single or P.P. 71A, 45, 50, 47, 10, 41, 42, 43, 46, 48, 59, 31, 33, 38, 79, 89, 2A5, etc. Diagrams included. Size 2x2 3/4 x 1 1/2". Shpg. wt. 3 lbs.

**YC1708**—Your Cost Each **75¢**  
**Universal Input**—Same physical specs. as above. Used with single, P.P. or double P.P. audio tubes. Shpg. wt. 4 lbs. **Your Cost 78¢**

**YC1707**—Your Cost Each **78¢**

## Class "B" P.P. Input Trans.

A high quality P.P. input transformer, strap mounting type, used to couple a single plate to a pair of P.P. grids. Has 1 1/2 to 1 step down ratio. Used with such tubes as 49's, 59's, etc. Size 2 1/2 x 2 x 1 1/2". Shpg. wt. 3 lbs.

**YC1567**—Your Cost **39¢**



## Special 2.5 Volt Filament Transformer



Semi-open type. Delivers 2.5 volts at 3.5 amperes. For 2 type 24, 27, 35, etc. or 3 type 56, 57, 58, etc. Primary for 110 volts, 60 cycles a.c. Size 3 1/2 x 2 x 1 3/4". Shpg. wt. 3 lbs.

**YC1636**—Your Cost, Special **39¢**

## Heavy Duty P.A. Choke

Admirably suited for impedance coupling for P.A. amplifiers up to 20 watts. 30 henrys, 200 ohms d.c. 125 ma. max. Dim.—3x3 1/4" high.



**YES638**—Shpg. wt. 3 lbs. **Your Cost 89¢**

## Filter Choke 30 Henry-50 Ma.

30 henrys, 50 ma. maximum d.c. Resistance 450 ohms. Has 6" insulated leads. Strap mtg., 2 1/2 x 1 3/4 x 2 3/4". Shpg. wt. 3 lbs.



**YA246**—Your Cost **39¢**

## Trutest Transceiver Audio Transformer



Combination audio and microphone transformer for use in five meter transceivers. For matching a single and double button microphone to one grid. In receiving position it is used as an ordinary audio transformer. Shpg. wt. 2 lbs.

**YC1627**—Your Cost **89¢**

## THORDARSON T-2927 Screen Grid Coupler



For coupling screen grid tube to an audio stage. Will provide approximately 3 times the gain of resistance coupling. Inductance 1080 henrys, 8 ma. maximum d.c. Has insulated leads for connections. Size: 1 3/4 x 2 1/4 x 2" high. Shpg. wt. 3 lbs.

**YE5497**—Your Cost **88¢**

## Exact Duplicate Audio Transformers For Standard Radio Receivers



Manufacturer	Model and Type	Stock No.	Your Cost
Atwater-Kent	55, 55C, 60, 60C—P.P. Input and Output Paek	<b>YC2492</b>	<b>\$1.80</b>
Atwater-Kent	67—Audio and P.P. Input	<b>YC2243</b>	<b>1.80</b>
Crosley	60S, 61S, 62S, 63S—P.P. Input 32, 40, 41, 41A, 42, 704, 706—1st Audio and P.P. Input	<b>YC1392</b>	<b>1.79</b>
General Motors	120, 130, 140, 150, 160—P.P. Input	<b>YC2298</b>	<b>.98</b>
Majestic	70, 90—1st Audio	<b>YC2490</b>	<b>.90</b>
Majestic	70, 90, 180—P.P. Input	<b>YC2109</b>	<b>1.15</b>
RCA-Victor	R32, RE45, R52, RE75—P.P. Input-Output.	<b>YC1965</b>	<b>1.48</b>
RCA-Victor	80, 82, 86, R35, R39, R57—P.P. Input-Output.	<b>YC1998</b>	<b>1.65</b>
RCA-Victor	R50, R55, RE20, RAE59, RAE79—P.P. Input-Output	<b>YC2001</b>	<b>1.45</b>
RCA-Victor	60, 62—Single Audio	<b>YC2173</b>	<b>.29</b>
RCA-Victor	16, 17, 18, 33, 41, 50, 51—Double Audio	<b>YC2005</b>	<b>1.39</b>
RCA-Victor	R11, 18, 18A, 21, 26—P.P. Input.	<b>YC1999</b>	<b>1.39</b>
RCA-Victor	R7, R9—P.P. Input-Output	<b>YC1994</b>	<b>1.79</b>
RCA-Victor	R-7A—P.P. Input-Output	<b>YC2098</b>	<b>1.65</b>
Stromberg	641, 642, 652, 654, 846, 848—Audio	<b>YC2331</b>	<b>1.30</b>
Stromberg	10, 11, 25, 26—P.P. Input	<b>YC2375</b>	<b>3.85</b>
Stromberg	68—1st Audio	<b>YC1813</b>	<b>1.45</b>
Stromberg	68—Driver Input	<b>YC1814</b>	<b>2.15</b>
Zenith	50, 60, 70 Series—P.P. Interstage	<b>YC2259</b>	<b>2.10</b>

## Trutest Replacement Audios and Chokes



A line of high quality replacement audio components for all purposes. Standard and midget types. Standard units have lug terminals and measure approx. 3 1/2 x 2 1/4 x 1 1/4"; mtg. centers 2 3/8". Midget units approx. 1 1/2 x 1 1/4"; mtg. centers 2 3/8". All tested and boxed. Average shpg. wt. 3 lbs.

Standard Units	Midget Units
<b>YC1553</b> —Output, single triode (45, 50, 6F6) to 5-15 ohm voice coil.	<b>YC1613</b> —Straight Audio. 3.5:1
<b>YC1554</b> —Output, P.P. triodes (45, 50, 6F6) to 5-15 ohm voice coil.	<b>YC1620</b> —P.P. Input. Ratio 1 1/2:1
<b>YC1555</b> —Output, single pentode (47, 6F6, etc.) to 5-15 ohm voice coil.	<b>YC1607</b> —Output, single triode (45, 48, 43) to 5-15 ohms.
<b>YC1556</b> —Output, P.P. pentodes (47, 6F6, etc.) to 5-15 ohm voice coil.	<b>YC1609</b> —Output, single pentode (47, 59, 89) to 5-15 ohms.
<b>Your Cost Each, Any Above Type 75¢</b>	<b>YC1614</b> —Output, P.P. triodes (45, 48, 43) to 5-15 ohms.
<b>YC1558</b> —Straight audio. Ratio 3:1 <b>Your Cost 75¢</b>	<b>YC1615</b> —Output, P.P. pentodes (47, 59, 89, 42) to 5-15 ohms.
<b>YC1551</b> —P.P. Input. 2.5:1 <b>Your Cost 75¢</b>	<b>Your Cost Each, Any Above Type 48¢</b>
<b>YC1552</b> —P.P. Interstage. Two plates to two grids. 1.75:1 <b>Your Cost 75¢</b>	<b>YC1601</b> —Choke. 10 h., 200 ohms, 50 ma. max. d.c.
<b>YC1562</b> —P.P. Input, Split Secondaries (isolated). 1.75:1 <b>\$1.08</b>	<b>YC1602</b> —Choke. 11 h., 250 ohms, 65 ma. max. d.c.
<b>YES448</b> —Double button mike to grid. 200 ohms per side. <b>Your Cost 82¢</b>	<b>YC1603</b> —Choke. 13 h., 350 ohms, 50 ma. max. d.c.
	<b>Your Cost Each, Any of Above 29¢</b>
	<b>YC1604</b> —Choke. 20 h., 500 ohms, 35 ma. max. d.c. <b>Your Cost 35¢</b>

See Catalog No.59 For Further Listings—WRITE FOR FREE COPY

**SPRAGUE**  
**"600" LINE**

# SPRAGUE "450" and "600" LINE CONDENSERS

**SPRAGUE**  
**"450" LINE**

The "600" line of electrolytics is well known to the trade. Only some of the more popular types are listed. Refer to page 140 in catalog 59 for a complete listing. Send for your FREE copy now.

The new "450" line, supplementing the "600" line units, is built to the exacting standards that have made the name Sprague synonymous with quality. Only a few types are listed.

### Upright Can Units 600 V. Peak Upright M'tg.

Housed in cylindrical aluminum cans with lug terminals. Come complete with mounting ring, insulating washers and ground terminal ring. Have surge peak rating of 600 volts. Ideal for use in high power amplifiers.



Stock No.	Cap. Mfd.	Size In.	Your Cost
YD2601	4	3 1/2 x 1	\$0.73
YD2603	8	4 3/8 x 1 1/2	.88
YD2607	8-8	4 3/8 x 1 3/8	1.41

### Inverted Can Type

YD2616	4	3 1/2 x 1	.73
YD2618	8	4 3/8 x 1	.88
YD3560	* 8-8	4 7/8 x 1 3/8	1.41

\* Four leads.

### "500" Wet Electrolytics

In chrome plated can. 500 V. peak.

Stock No.	Cap. Mfd.	Size In.	Your Cost
YD2913	4	4 7/8 x 1	\$0.47
YD2914	8	4 7/8 x 1	.56
YD2923	12	4 7/8 x 1 3/8	.68
YD3561	16	4 7/8 x 1 3/8	.79
YD3562	18	4 7/8 x 1 3/8	.88

### "EC" Condensers—600 Volts Surge Peak

Compact units, 600 v. peak. You don't have to check surge.



Stock No.	Cap. Mfd.	Size L W D	Your Cost
YD2670	1	2 1/2 x 1 x 1/2	\$0.50
YD2671	2	2 1/2 x 1 x 1/2	.56
YD2672	4	2 1/2 x 1 x 1/2	.68
YD2673	6	2 1/2 x 1 x 1/2	.76
YD2674	8	2 1/2 x 1 1/2 x 1	.79

### Tubular Paper Units



All 600 v. working voltage. Long tinned wire leads. Compact size.

Stock No.	Cap. Mfd.	Stock No.	Cap. Mfd.
YD2627	.0001	YD2633	.003
YD2628	.00025	YD2634	.004
YD2629	.0004	YD2635	.005
YD2630	.0005	YD2636	.006
YD2631	.001	YD2637	.01
YD2632	.002		

Your Cost Each, Any Above Type

YD2638 .02 mfd.	15c
YD2639 .05 mfd.	18c
YD2640 .06 mfd.	21c
YD2641 .1 mfd.	
YD2642 .25 mfd.	27c
YD2643 .5 mfd.	36c

### Universal Mounting Straps



YD3568—Allows universal mounting of any box type unit. Fits all types. 2 1/2 to 5 1/2" centers.

YD3569—Strap for mounting two or more units in groups.

Above straps supplied free of charge with purchases.

### "Tiny Mike" Filters



Small enough to fit any space. 450 volts w/kg., 500 volts peak.

Stock No.	Cap. Mfd.	Size In.	Your Cost
YD3563	2	1 1/2 x 1 1/2 x 2 1/2	\$0.38
YD3564	4	1 x 1 x 2 1/2	.44
YD3565	8	1 1/2 x 1 1/2 x 2 1/2	.56
YD3566*	4-4	1 1/2 x 1 1/2 x 2 1/2	.71
YD3567*	8-8	2 x 1 1/2 x 2 1/2	.88

\* Have four leads.

### Midget Cardboard Units With Flanges



Compact filter and by-pass units in wax impregnated cardboard containers with mounting flanges. Flanges can be cut off if desired.

Long leads. All 2 1/2" long.

Stock No.	Cap. Mfd.	Wkg. Volts	Your Cost
YD3538	5	25	\$0.29
YD3539	10	25	.29
YD3540	25	25	.38
YD3541	10-10	25	.44
YD3542	10	50	.38
YD3543	25	50	.47
YD3544	2	100	.29
YD3545	4	100	.35
YD3546	8	100	.44
YD3547	2	200	.32
YD3548	4	200	.38
YD3549	8	200	.47
YD3550	* 4-4	200	.53
YD3551	* 8-8	200	.73

\* Has four leads.

### Upright Can Type 450 V.W.

In cylindrical aluminum cans provided with lug terminals. All 450 volts working voltage, 525 volts peak. Designed for use in all types of amplifiers and power units where voltage is within the rating.



Stock No.	Cap. Mfd.	Size In.	Your Cost
YD3531	4	1 x 3 3/4	\$0.50
YD3532	8	1 1/2 x 4 1/4	.62
YD3533	8-8	2 1/2 x 4 7/8	1.06

### Inverted Can Type

Stock No.	Cap. Mfd.	Size In.	Your Cost
YD3534	4	1 x 3	\$0.50
YD3535	8	1 1/2 x 4 1/4	.62
YD3536*	4-4	1 1/2 x 4 7/8	.76
YD3537*	8-8	1 1/2 x 4 7/8	.94

\* Have four leads.

### Cardboard Box Type



Compact filters in manila boxes with flanges. Insulated leads; dual units have four leads. All 450 v. working, 525 v. peak.

Stock No.	Cap. Mfd.	Size In.	Your Cost
YD3527	4	4 1/2 x 1 3/4 x 3/4	\$0.44
YD3528	8	4 1/2 x 1 3/4 x 1	.56
YD3529	4-4	4 1/2 x 1 3/4 x 1	.71
YD3530	8-8	4 1/2 x 1 3/4 x 1 1/4	.88

# TRUTEST FILTER and CONDENSERS BY-PASS

### Tubular Electrolytics



In waxed cardboard containers with metal ends and 1 1/2" wire leads. Hermetically sealed.

Stock No.	Cap. Mfd.	Wkg. Volts	Your Cost Each
YD3380	5	25	\$0.23
YD3381	10	25	.23
YD3382	25	25	.32
YD3384	5	50	.22
YD3295	10	50	.28
YD3297	25	50	.36
YD3387	5	100	.26
YD3388	10	100	.33
YD3394	8	150	.36
YD3395	Dual 4	150	.40
YD3256	8	450	.44

### Dry Electrolytic Filter By-Pass



500 V. peak, 450 V. working.

Stock No.	Cap. Mfd.	Dime <sup>3</sup> In.	Your Cost
YD3351	2	2 1/4 x 1 1/2 x 3/8	\$0.29
YD3346	4	4 1/2 x 1 1/2 x 3/8	.34
YD3347	6	4 1/2 x 1 1/2 x 3/8	.38
YD3348	8	4 1/2 x 1 1/2 x 3/8	.38
YD3349	10	4 1/2 x 1 1/2 x 3/8	.53
YD3350	12	4 1/2 x 1 1/2 x 3/8	.62

Only the popular types of TruTest dry electrolytic and paper condensers are listed here. For a complete listing, refer to pages 143 and 144 in catalog 59.

TRUTEST electrolytic capacitors are manufactured to the highest standards, and easily confirm with RMA standards. They are guaranteed to have a power factor of from 4% to 5%, and leakage less than 0.1 milliamperes per microfarad. All capacitance ratings are within a tolerance of plus 20% and minus 10%. They are not effected by humidity and withstand normal working heat.

### Compact 200 V. Filters



For use where space is limited. Cardboard boxes. 2 1/2" long.

Stock No.	Cap. Mfd.	Size	Your Cost Each
YD3210	4	3/8 x 3/8"	\$0.33
YD3211	6	3/8 x 3/8"	.38
YD3212	8	3/8 x 1"	.39
YD3213	10	3/8 x 1"	.44
YD3214	12	1 x 1"	.47
YD3215	16	1 1/4 x 1"	.52
YD3216	20	1 1/2 x 1"	.59
YD3217	25	1 3/4 x 1"	.60

### Special 600-Volt Peak Dry Electrolytics



600 v. peak, 475 v. d.c. working. Used where surges exceed working voltage. Cardboard boxes 1 1/2" by 2 1/2".

Stock No.	Cap. Mfd.	Inches Thick	Your Cost
YD3205	1	3/8"	\$0.34
YD3206	2	3/8"	.40
YD3207	4	1 1/8"	.45
YD3208	6	1 1/8"	.50
YD3209	8	1 1/8"	.55

### Paper Tubular Units



These condensers are very compact, half the size of the average cartridge type condenser. Especially suited for use in sets where space is an important factor. Sealed ends, leads cannot pull out.

Stock No.	Cap. Mfd.	Wkg. Volt.	Your Cost
YD3173	.01	200	\$0.06
YD3175	.05	200	.07
YD3176	.1	200	.1
YD3177	.25	200	.13
YD3178	.5	200	.13
YD3179	.01	400	.06
YD3180	.02	400	.07
YD3181	.05	400	.08
YD3182	.1	400	.08
YD3183	.25	400	.12
YD3174	.5	400	.16
YD3184	.001	600	.07

### Multiple Section Can Units



All 500 v. peak, 450 v. working. Can is negative. All 4" high. Screw and nut terminals. Aluminum cans.

Stock No.	Cap. Mfd.	Diam. In.	Your Cost
YD3316	8-8	2 1/2"	\$0.70
YD3317	5-15	2 1/2"	.98
YD3318	8-8-8	3	1.15
YD3320	9-9-18	3	1.70

### Inverted Type

Stock No.	Cap. Mfd.	Size In.	Your Cost
YD3323	4	1 1/2"	\$0.38
YD3324	8	1 1/2"	.42
YD3326	4-4	1 1/2"	.68
YD3335	4-8	1 1/2"	.75
YD3338	8-8	1 1/2"	.82

### Multiple Section Cardboard Filters



All 500 volts peak, 450 working. 4 1/2" high. Compact type.

Stock No.	Cap. Mfd.	Your Cost
YD3337	4-4	\$0.50
YD3339	4-8	.60
YD3342	8-8	.68
YD3366	8-8-8	1.05
YD3307*	8-8-8	1.19

\* Rectangular aluminum can.



# CORNELL-DUBILIER Condensers



## Inverted Can Type With Leads



Separate leads in round metal can offer complete shielding. Leads insulated from can. 525 volts peak, 450 d.c. working volts.

Stock No.	Cap. Mfd.	Size L D	Ins.	Your Cost
YD3683	2	2 1/2 x 1 1/2	3/4	.50
YD3646	4	4 1/2 x 1 1/2	3/4	.59
YD3647	6	4 1/2 x 1 1/2	3/4	.62
YD3648	8	4 1/2 x 1 1/2	3/4	.73
YD3649	10	4 1/2 x 1 1/2	3/4	.76
YD3598	4-4	4 1/2 x 1 1/2	3/4	.85
YD3599	4-8	4 1/2 x 1 1/2	3/4	.85
YD3653	8-8	4 1/2 x 1 1/2	3/4	.94

## With Lugs

Similar to the above, but with lug terminals. Can negative.

Stock No.	Cap. Mfd.	Size L D	Ins.	Your Cost
YD3964	4	3 1/2 x 1	3/4	.50
YD3966	8	4 1/2 x 1	3/4	.62
YD3970	8-8	4 1/2 x 1 1/2	3/4	.94

## Single and Multiple Sections Type EA



Can be mounted in upright, horizontal, or any other position without affecting operation. All provided with mtg. rings. Can is negative. Rated peak voltage 525; wkg. voltage 450v. d.c.

Stock No.	Cap. Mfd.	Size L D	Ins.	Your Cost
YD3643	8	4 1/2 x 1 1/2	3/4	.50
YD3633	5-15	4 1/2 x 2 1/2	3/4	1.35
YD3634	8-8	4 1/2 x 2 1/2	3/4	1.06
YD3636	8-8-8	4 1/2 x 3	3/4	1.59
YD3637	9-9-18	4 1/2 x 3	3/4	2.20

## "Hi-Mike" Cartridge Type Electrolytics



### TYPE ED

Self-supporting wire leads that cannot pull out. Compact. Hermetically sealed.

Stock No.	Cap. Mfd.	Wkg. V.	Size L D	Ins.	Your Cost
YD3600	5	25	2 1/2 x 3/4	3/4	\$0.29
YD3601	10	25	2 1/2 x 3/4	3/4	.29
YD3603	25	25	2 1/2 x 1	3/4	.38
YD3604	50	25	2 1/2 x 1 1/4	3/4	.56
YD3605	5	50	2 1/2 x 3/4	3/4	.29
YD3606	10	50	2 1/2 x 3/4	3/4	.38
YD3607	25	50	2 1/2 x 3/4	3/4	.47
YD3800	50	50	2 1/2 x 1 1/4	3/4	.71
YD3609	10	100	2 1/2 x 1	3/4	.41
YD3610	25	100	2 1/2 x 1 1/4	3/4	.56

## Special Compact Filters 525 V. P. 450 V. W.

Provided with stiff wire leads. They are only 2 1/2" long.



Stock No.	Cap. Mfd.	Size W D	Ins.	Your Cost
YD3614	1	1 1/2 x 1/2	3/4	\$0.32
YD3615	2	1 1/2 x 1/2	3/4	.38
YD3616	4	1 1/2 x 1/2	3/4	.44
YD3617	8	1 1/2 x 1/2	3/4	.56

## Cardboard Filters With Mounting Flanges



Mounting holes strengthened with eyelets. Individual soldering lugs brought out from case on all dual units. P.V. 525 volts; W.V. 450 d.c.

Stock No.	Cap. Mfd.	Size L W D	Ins.	Your Cost
YD3624	4	4 1/2 x 1 1/2 x 1 1/2	3/4	\$0.44
YD3625	8	4 1/2 x 1 1/2 x 1 1/2	3/4	.56
YD3626	4-4	4 1/2 x 1 1/2 x 1 1/2	3/4	.70
YD3628	4-8	4 1/2 x 1 1/2 x 1 1/2	3/4	.79
YD3632	8-8	4 1/2 x 1 1/2 x 1 1/2	3/4	.88

## Midget Dual Units

### 200 V. Peak

Extremely compact filter condensers, dual section type, designed for use in those sets where space is limited. Separate color coded leads for each section. Cardboard box with flange, wax impregnated. 200 v. peak.



Stock No.	Cap. Mfd.	Size L W D	Ins.	Your Cost
YD3990	4-4	3 x 1 1/2	3/4	\$0.50
YD3991	4-8	3 x 1 1/2	3/4	.56
YD3993	8-8	3 x 1 1/2	3/4	.71
YD3994	4-16	3 x 1 1/2	3/4	.73
YD3995	8-16	3 x 1 1/2	3/4	.79

## "Dwarf Tiger" Units



Developed to meet the demand for an extremely low cost condenser suited for use in small sets.

Stock No.	Cap. Mfd.	Diam. In.	Wkg. Volts	Your Cost
YD3735	.01	7/16	400	12c
YD3736	.02	7/16	400	
YD3737	.05	7/16	400	.15
YD3738	.1	7/16	400	.18
YD3739	.25	7/16	400	.24
YD3740	.5	1 1/16	400	.29
YD3767	1.0	1	400	.44

Stock No.	Cap. Mfd.	Size L W D	Ins.	Your Cost
YD3584	.001	7/16	600	
YD3685	.0025	7/16	600	
YD3741	.005	7/16	600	Each
YD3742	.01	7/16	600	12c
YD3743	.02	7/16	600	
YD3744	.05	7/16	600	
YD3745	.1	7/16	600	

Stock No.	Cap. Mfd.	Size L W D	Ins.	Your Cost
YD3746	.02	7/16	600	.15
YD3747	.05	7/16	600	.18
YD3748	.1	1 1/16	600	.21
YD3749	.25	7/8	600	.26
YD3750	.5	1	600	.35

## "Handy Mike" A.C.-D.C. Electrolytics

Very small, handy, and inexpensive. Well made in silver finish containers equipped with color coded leads. Peak voltage 300 volts d.c., working voltage 250 volts d.c. Dimensions, length—2 1/2", width—1 1/8". Ideal for use in a.c.-d.c. receivers.



Stock No.	Cap. Mfd.	Depth, Ins.	Your Cost
YD3793	4	3/4	\$0.38
YD3794	8	3/4	.50
YD3795	10	1 1/8	.56
YD3796	12	1 1/8	.62
YD3797	16	1 1/8	.68
YD3798	20	1 1/8	.73
YD3799	25	1 1/8	.82

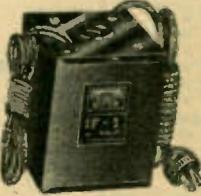
## Power Line Noise Filters

Type IF-1—Inductance-capacitance type. Current rating 5 amps. Cuts out line noises. For appliances up to 200 watts. Size 4x4x5". Shpg. wt. 4 lbs.



Type IF-2

Type IF-2—Pure capacity type. Mounting plate for insertion under motor foot. Size 2x1 1/2 x 1".



Type IF-1

Stock No.	Your Cost
YD3553	\$2.94
YD3554	Each \$1.32

## Compact Cartons



Only 2 1/4" long, cardboard containers. Popular for use in midgets. Units marked with \* have 6" leads; those marked † have lug terminals. Long life units.

Stock No.	Cap. Mfd.	Peak Volts	Size W H	Your Cost
YD3299†	5	500	3/4 x 3/4	\$0.18
YD3109†	2	500	3/4 x 3/4	.19
YD3110†	4	500	1 1/4 x 3/4	.22
YD3111†	8	500	1 1/4 x 1 1/4	.25
YD3112*	4-4	200	1	.39
YD3113*	8-8	200	1	.45
YD3114*	5-5	50	3/4 x 3/4	.27

## Postage Stamp Mica Condensers



Leads Stock No.	Lugs Stock No.	Cap.	Your Cost
YD3403	YD3429	.00005	
YD3405	YD3431	.0001	
YD3407	YD3433	.0002	
YD3408	YD3434	.00025	
YD3409	YD3435	.0003	
YD3410	YD3436	.0003	
YD3411	YD3437	.0004	
YD3416	YD3442	.001	
YD3418	YD3444	.002	.12
YD3419	YD3445	.0025	.12

# BARGAINS!

## Tubular Electrolytics



Compact condensers in tubular cardboard containers only 2 1/4" long. Have stiff wire leads.

Stock No.	Cap. Mfd.	Peak Volts	Size L D	Your Cost
YD3139	1/2	500	3/4 x 3/4	\$0.17
YD3100	1	500	3/4 x 3/4	.19
YD3101	2	500	3/4 x 3/4	.23
YD3140	4	500	3/4 x 3/4	.29
YD3142	1	250	5/8 x 3/4	.16
YD3143	2	250	5/8 x 3/4	.19
YD3144	4	250	5/8 x 3/4	.25
YD3145	5	175	5/8 x 3/4	.22
YD3146	5	50	5/8 x 3/4	.16
YD3257	10	50	5/8 x 3/4	.20
YD3259	25	50	5/8 x 3/4	.30
YD3102	10	25	5/8 x 3/4	.16
YD3103	25	25	5/8 x 3/4	.18
YD3294	5-5	25	1 1/8 x 1	.26
YD3296	10-10	25	1 1/8 x 1	.28

## Compact Type with Mounting Flanges



These units are contained in tough fibre-cardboard housings which are provided with mounting flanges at either end. All have solder lug terminals at one end. Dual and triple units have separate negative and positive lugs. All 4 1/8" long, 1 1/2" wide.

Stock No.	Cap. Mfd.	Peak Volts	Diam. Inches	Your Cost
YD3115	4	500	9/16	\$0.22
YD3116	8	500	9/16	.25
YD3117	4-4	500	1 1/8	.70
YD3118	8-8	500	1 1/8	.47
YD3119	8-8-8	500	1 1/4	.75
YD3125	50	25	9/16	.39

## Dry Electrolytic Inverted Can

Rated at 500 volts, peak; 450 volts, d.c. working. Fit 3/8" hole and are furnished with hex nut and lock washer. Contained in cylindrical aluminum cans. Designed for use in all types of receivers and amplifiers.



Stock No.	Cap. Mfd.	L	Size Dia.	Your Cost
YD3104	4	2 3/8	1 3/8	\$0.26
YD3105	6	4 3/8	1 3/8	.27
YD3106	8	4 3/8	1 3/8	.30
YD3107	4-4	4 3/8	1 3/8	.42
YD3108	8-8	4 3/8	1 3/8	.58

## Upright Metal Can Type. 500 V. Peak

Mounted in cylindrical aluminum containers and provided with solder lug terminals. Will fit standard ring mounting. Can negative common. All are 4 1/2" high. Ideal for use in amplifiers and power units where voltages are within limits. All 450 volts d.c. working voltage, 500 volts peak.

Stock No.	Cap. Mfd.	Diam. Ins.	Your Cost
YD3127	8	1 3/8	\$0.30
YD3128	4-4	2 1/2	.42
YD3129	8-8	2 1/2	.58
YD3126	5-15	2 1/2	.73
YD3130	4-4-4	2 1/2	.90
YD3131	8-8-8	3	.90
YD3132	8-8-8	3	1.35
YD3133	9-9-18	3 1/2	1.20
YD3134	8-8-18-18	3 1/2	1.90

See Catalog No.59 For Further Listings—WRITE FOR FREE COPY

# MALLORY

# UNIVERSAL REPLACEMENT CONDENSERS

# MALLORY

## 69 UNITS SERVICE OVER 4000 DIFFERENT RADIO RECEIVERS

The new line of Yaxley-Mallory Replacement Condensers, developed after several years of research by the same men who invented the dry electrolytic unit and practically every worthwhile later development, incorporates every desirable feature with regard to—**QUALITY—ADAPTABILITY—SALABILITY.** A stock of only 69 different units will service over 4,000 different

radio receivers! All are individually boxed in attractive cartons—all feature: cellophane separators, etched anodes, stitched anode leads, perfect protection against humidity. In short, they incorporate every modern development that can possibly add to their value. They are undoubtedly the finest available—customer satisfaction and added profits will follow their use.

### Electrolytic Cardboard Carton Filters



Developed for use wherever cardboard carton type filter units are required, these units embody many striking improvements. All feature universal mounting flanges,

8" stranded push-back wire leads tinned for easy soldering, extremely compact size. All have metal inner seal in addition to the wax impregnation. Their small size makes them ideally suited for use in midget receivers where space is an important factor. Can be mounted in any position. Dual units have leads at both ends.

#### Type CS—Single Section Units

Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
YD3855	4	250	1/4 x 1/4 x 2 7/16	\$0.38
YD3856	8	250	3/8 x 1/4 x 2 7/16	.47
YD3857	10	250	3/8 x 1/4 x 2 7/16	.56
YD3858	12	250	3/8 x 1/4 x 2 7/16	.59
YD3860	16	250	3/8 x 1/4 x 2 7/16	.65
YD3861	2	450	1/4 x 1/4 x 2 7/16	.38
YD3862	4	450	3/8 x 1/4 x 2 7/16	.44
YD3863	6	450	3/8 x 1/4 x 2 7/16	.53
YD3864	8	450	3/8 x 1/4 x 2 7/16	.56
YD3865	10	450	3/8 x 1/4 x 2 7/16	.68
YD3866	12	450	3/8 x 1/4 x 2 7/16	.76

#### Type CN—With Common Negative

Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
YD3874	4-4	250	1/4 x 1 x 3	.53
YD3875	4-8	250	3/8 x 1 x 3	.68
YD3876	8-8	250	3/8 x 1 1/4 x 3	.76
YD3878	8-8-8	250	3/8 x 1 1/4 x 3	1.15
YD3879	4-4	450	3/8 x 1 1/4 x 3	.71
YD3880	4-8	450	3/8 x 1 1/4 x 3	.79
YD3881	8-8	450	3/8 x 1 1/4 x 3	.88
YD3882	8-8-8	450	1 1/2 x 1 1/4 x 3	1.29

#### Type CM—With Separate Sections

Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
YD3883	4-4	250	3/8 x 1 1/4 x 3	.53
YD3884	4-8	250	3/8 x 1 1/4 x 3	.68
YD3885	8-8	250	3/8 x 1 1/4 x 3	.76
YD3886	8-8-8	250	1 1/2 x 1 x 3	1.15
YD3887	4-4	450	3/8 x 1 1/4 x 3	.71
YD3888	4-8	450	3/8 x 1 1/4 x 3	.79
YD3889	8-8	450	1 1/2 x 1 x 3	.88
YD3890	8-8-8	450	1 1/2 x 1 1/4 x 3	1.29

### Tubular Paper By-Pass Condensers



Non-inductive, oil-treated, thoroughly impregnated, and have metal ends.

Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
YD3891	.05	200	1 1/4 x 3/8	\$0.09
YD3892	.1	200	1 1/2 x 3/8	.09
YD3893	.25	200	1 3/4 x 3/8	.15
YD3894	.5	200	2 x 3/8	.21
YD3895	1.0	200	2 1/2 x 3/8	.29
YD3896	.01	400	1 1/4 x 3/8	.09
YD3897	.02	400	1 1/2 x 3/8	.09
YD3898	.05	400	1 3/4 x 3/8	.09
YD3899	.1	400	1 7/8 x 3/8	.12
YD3900	.25	400	2 1/4 x 3/8	.15
YD3901	.5	400	2 3/4 x 1	.21

YD3902	.0001	600	1 1/4 x 3/8	.09
YD3903	.00025	600	1 1/2 x 3/8	.09
YD3904	.0005	600	1 3/4 x 3/8	.09
YD3905	.001	600	1 7/8 x 3/8	.09
YD3906	.002	600	1 7/8 x 3/8	.09
YD3907	.005	600	1 7/8 x 3/8	.09
YD3908	.006	600	1 7/8 x 3/8	.09
YD3909	.01	600	1 7/8 x 3/8	.09
YD3910	.02	600	1 7/8 x 3/8	.09
YD3911	.05	600	1 7/8 x 3/8	.12
YD3912	.06	600	1 7/8 x 3/8	.12
YD3913	.1	600	2 1/4 x 3/8	.15
YD3914	.25	600	2 3/4 x 3/8	.21
YD3915	.5	600	2 3/4 x 1 1/4	.29

### NEW CONDENSER MANUAL

The 1936 Mallory Condenser Manual contains 96 pages of information that cannot fail to be of invaluable aid to you. A free copy will be sent to dealers or servicemen who write to P. R. Mallory Co., at Indianapolis, Indiana, on business letterhead.

### Round Can Electrolytic Filters



A line of compact universal metal can filters that can be used to replace any unit by means of the universal mounting hardware listed below. All provided with 8" push-back wire leads. Palnut and flat washer included.

Type RS—Single Section Units				
Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
YD3916	4	250	2 3/4 x 1	.56
YD3917	8	250	2 3/4 x 1	.56
YD3918	12	250	2 3/4 x 1	.65
YD3919	4	450	2 3/4 x 1	.50
YD3920	8	450	2 3/4 x 1	.62
YD3921	12	450	3 x 1	.82

Type RN—With Common Negative				
Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
YD3922	4-8	250	3 x 1	.76
YD3923	8-8	250	3 x 1	.85
YD3924	8-8-8	250	3 x 1 1/2	1.23

Type RM—With Separate Sections				
Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
YD3925	4-8	450	3 x 1	.85
YD3926	8-8	450	3 x 1 1/2	.94
YD3927	8-8-8	450	3 1/2 x 1 1/2	1.35
YD3928	4-8	250	3 x 1 1/2	.76
YD3929	8-8	250	3 x 1 1/2	.85
YD3930	8-8-8	250	3 1/2 x 1 1/2	1.23
YD3931	8-8-16	250	3 1/2 x 1 1/2	1.38
YD3932	8-8-16	250	3 1/2 x 1 1/2	1.53

YD3933	4-8	450	3 x 1 1/2	.85
YD3934	8-8	450	3 x 1 1/2	.94
YD3935	8-8-8	450	4 x 1 1/2	1.35

### Universal Mounting Hardware

**Type A—Terminal Connector.** Eliminates splicing and affords neat anchor between condenser leads and wiring cable.



**Type B—For clamp mounting 1" round cans in a standard 1 1/4" clamp.**



**Type C—Flat washer for mounting 1" round cans in 3/8" mounting hole.**



**Type C—Large washer for mounting both 1" and 1 1/4" round cans in place of spade bolt mounting.**



**YD3971—Each.... 3c**  
**YD3972—Each.... 3c**  
**YD3973—Each.... 2c**  
**YD3974—Each.... 2c**

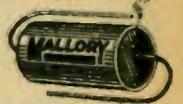
### Large Round Can Electrolytics

Have lug terminals, can negative common. All 450 v. working voltage, 525 volts surge. Dual units in 2 1/2 x 4 3/8" cans; multiple units in 3 x 4 3/8" cans. Replace old "wets."



Stock No.	Cap. Mfd.	Wkg. Volts	Your Cost
YD3936	8-8	450	\$1.06
YD3937	5-15	1.35	
YD3938	8-8-8	1.59	
YD3939	8-8-8-8	2.12	

### Compact Tubular Audio By-Pass Units

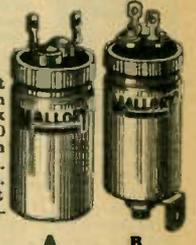


These units are designed for bypassing the cathode bias resistors in audio frequency and other low voltage circuits where dry electrolytic condensers are applicable. All are extremely compact, and are provided with 3" bare tinned copper leads.

Type TS—Single Section Units				
Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
YD3940	10	25	1 3/4 x 3/4	\$0.29
YD3941	20	25	2 1/4 x 3/4	.35
YD3942	5	50	1 3/4 x 3/4	.29
YD3943	10	50	2 1/4 x 3/4	.38

Type TN—Dual Sections, Common Negative				
Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
YD3944	5-5	25	1 3/4 x 3/4	.44
YD3945	10-10	25	2 1/4 x 3/4	.44
YD3946	5-5	35	1 3/4 x 3/4	.44
YD3947	5-5	50	2 1/4 x 3/4	.44

### Round Can Electrolytic By-Pass Units



Similar to the above, but in round metal cans with lug terminals. Cans 1 1/4 x 1". Type B has 1/2"-20 stud and is furnished with small mounting bracket. 75 volts maximum surge. Can be used in a great number of sets for replacement purposes.

Stock No.	Cap. Mfd.	Wkg. Volts	Type No.	Your Cost
YD3948	10-10	50	A	\$0.56
YD3949	10-10	50	B	.59

### Wet Electrolytics

Self-regulating type. Lug terminal, can negative. All 475 v. working voltage except 35 mfd. unit which has 400 v. working voltage. Supplied with palnut. Mount upright.



Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
YD3950	4	1	x3 3/4	\$0.47
YD3951	8	1	x4 3/4	.56
YD3952	12	1 1/2	x4 3/4	.68
YD3953	16	1 3/4	x4 3/4	.79
YD3954	18	1 3/4	x4 3/4	.88
YD3955	35	1 1/2	x4 3/4	1.03

### "Special Universal" Units

**YD3956—For Crosley models 95, 96, 98, 99, 102, 129-1, 130, 130-1, 132, 132-1, 134, 136-1, 146-1, 148, 154, 157, 158, 160, 163, 167, 169, 176. 8-8 mfd., 250-300 working volts. \$1.23**

**YD3957—For Philco models 16, 17, 18, 116, 118, 200, 201, 640, 650, 660, 680. 3-2-1-1 mfd., 450 working volts. \$1.23**

**YD3958—For Belmont models 53, 425, 440, 525, 530, 540, 625, 650; Emerson models H5, 30AW, 33AW, 250, 250AW, 321AW, 350AW, 30LW, 33LW, 250LW, 321LW, 350LW; Grunow models 5B, 501, 550; Sears Roebuck model 7114; Wells-Gardner models 05A, 5B; Zenith models 701, 702, 801. 5-25-10 mfd., 150 working volts. \$1.15**

**YD3959—For Kadette F Jr., early and late. 4-4-4 mfd., 150 working volts. \$1.15**

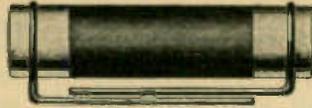
# Trutest QUALITY Resistors

For General Replacement Use

## Trutest Carbon Resistors

Precision Made Accurately Rated

These resistors are RMA color coded for easy identification and are made of the finest material and workmanship. They are guaranteed to be accurate, plus or minus 10%. The average are within 5%. Their characteristics, under all normal conditions of use, make them suitable for all replacement purposes.



All units are carefully calibrated and properly color coded. Pigtail wire leads are forced on the ends in such a manner that noisy contacts are prevented. Leads are tinned for easy soldering. All will carry their full rated wattage without undue overheating. All sizes stocked.

Resis. Ohms	1/2-Watt Stock No.	1-Watt Stock No.	2-Watt Stock No.
200	YE4250	YE4300	YE4450
300	YE4245	YE4348	
400	YE4251	YE4301	YE4451
500	YE4252	YE4302	YE4452
600	YE4253	YE4303	YE4453
700	YE4254	YE4304	YE4454
800	YE4255	YE4305	YE4455
1000	YE4256	YE4306	YE4456
1250	YE4257	YE4307	YE4457
1500	YE4258	YE4308	YE4458
2000	YE4259	YE4309	YE4459
2500	YE4260	YE4310	YE4460
3000	YE4261	YE4311	YE4461
3500	YE4262	YE4312	YE4462
4000	YE4263	YE4313	YE4463
5000	YE4264	YE4314	YE4464
6000	YE4265	YE4315	YE4465
7000	YE4266	YE4316	YE4466

Resis. Ohms	1/2-Watt Stock No.	1-Watt Stock No.	2-Watt Stock No.
7500	YE4267	YE4317	YE4467
8000	YE4268	YE4318	YE4468
9000	YE4269	YE4319	
10000	YE4270	YE4320	YE4469
12000	YE4271	YE4321	YE4470
15000	YE4272	YE4322	YE4471
17000	YE4273	YE4323	YE4472
20000	YE4274	YE4324	YE4473
25000	YE4275	YE4325	YE4474
30000	YE4276	YE4326	YE4475
40000	YE4277	YE4327	YE4476
50000	YE4278	YE4328	YE4477
60000	YE4279	YE4329	YE4478
70000	YE4280	YE4330	YE4479
75000	YE4281	YE4331	YE4480
100000	YE4282	YE4332	YE4481
125000	YE4283	YE4333	YE4482
150000			YE4483

Res. Ohms.	1/2-Watt Stock No.	1-Watt Stock No.	2-Watt Stock No.
200000	YE4284	YE4334	YE4484
250000	YE4285	YE4335	YE4485
300000	YE4286	YE4336	YE4486
400000	YE4287	YE4337	
500000	YE4288	YE4338	YE4487
750000	YE4289	YE4339	

Res. Megohms	1/2-Watt Stock No.	1-Watt Stock No.	2-Watt Stock No.
1	YE4288	YE4338	
1.5	YE4248	YE4351	
2	YE4289	YE4339	
2.5	YE4249	YE4352	
3	YE4290	YE4340	
4	YE4291	YE4341	
5	YE4292	YE4342	
6	YE4293	YE4343	
7	YE4294	YE4344	
8	YE4295	YE4345	
9	YE4296	YE4346	
10	YE4297	YE4347	

1/2-Watt Size, 1" Long  
Your Cost Each  
Per Dozen 50c

1-Watt Size, 1 1/4" Long  
Your Cost Each  
Per Dozen 60c

2-Watt Size, 2" Long  
Your Cost Each  
Per Dozen \$1.00

5c

6c

10c

50 for \$4.40

### Trutest Ohm Indicator

Handy—Reliable



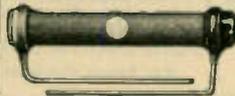
Range 0-100,000 Ohms

Wire wound on a vitreous enameled Isolantite tube. Calibrated from 0 to 100,000 ohms. Comes with test prod and test clips. May also be used as a temporary voltage divider, volume control, etc. In use, test clips are fastened on the ends of the defective resistor, and prod is run up the scale until the best reception is obtained; resistor of same value is then substituted. Shpg. wt. 2 lbs. **YE4957—Your Cost \$1.45**

... FREE! ...

With each purchase of 3 or more Trutest carbon resistors, a serviceable pocket-size RMA color-code chart. Incidentally, have your own 196-page general catalog, No. 597. It's free for the asking.

### NEW! Insulated!



Carbon Resistors

The latest development in the resistor field.

High quality carbon resistors, guaranteed accurate plus or minus 10% in a processed moisture-proof insulating envelope. Can be used anywhere without fear of shorting. RMA color-coded. Tinned wire leads. They are noise-free, and trouble-proof.

Specify Values When Ordering.

Ohms	Ohms	Ohms	Ohms	Ohms
200	2000	15000	100000	750000
500	2500	20000	150000	1 Meg.
800	5000	25000	200000	2 Meg.
1000	7500	50000	250000	5 Meg.
1500	10000	75000	500000	10 Meg.

**YE4257—1/2-watt, 1 x 1/4"** Your Cost, Each **7c**  
**YE4258—1-watt, 1 1/4 x 1/4"** Your Cost, Each **8c**

### Trutest

### 5 and 10 Watt Wire-Wound Resistors



Wound with genuine nichrome wire on fine ceramic tubes. Guaranteed plus or minus 2%; most are within 1%. Measure 1 1/4" long.

Specify Values When Ordering.

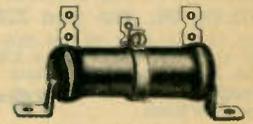
Ohms	Ohms	Ohms	Ohms	Ohms
5	150	900	2500	9000
10	200	1000	2750	10000
15	250	1100	3000	12500
20	400	1250	4000	15000
25	500	1500	5000	17500
50	600	1750	6000	20000
75	750	2000	7000	22500
100	800	2250	8000	25000

**YE4438—5-watt resistors** Your Cost Each, Any Size **15c**  
**YE4439—10-watt resistors** Your Cost Each, Any Size **18c**



### Trutest Vitreous Enamel Resistors

#### FIXED RESISTORS SEMI-VARIABLE RESISTORS



Guaranteed to be within plus or minus 10% of their rated value, most of them are within 5%. All are non-porous, dissipate heat rapidly, have positive lug contacts and do not change their value. Contact lugs are of Monel metal. Individually marked.

1 3/4 x 3/8" Isolantite Tube  
10-Watt Rating

Stock No.	Ohms	Stock No.	Ohms
YE4850	1	YE4872	400
YE4851	2	YE4873	500
YE4854	5	YE4875	750
YE4856	10	YE4876	1000
YE4858	15	YE4878	1500
YE4859	20	YE4879	2000
YE4860	25	YE4880	2500
YE4861	30	YE4881	3000
YE4863	40	YE4883	5000
YE4864	50	YE4886	10000
YE4866	100	YE4888	15000
YE4868	150	YE4889	20000
YE4869	200	YE4890	25000
YE4870	250		

List Price, 40c

Your Cost  
Any Above Size **20c**

2 x 1/2" Isolantite Tube  
20-Watt Rating

Stock No.	Ohms	Stock No.	Ohms
YE4910	25	YE4926	1000
YE4911	50	YE4930	1500
YE4912	75	YE4933	2000
YE4913	100	YE4934	2250
YE4915	200	YE4936	2500
YE4919	400	YE4938	3000
YE4920	500	YE4942	5000
YE4923	750	YE4947	10000
YE4925	850	YE4949	15000

Your Cost  
Any Above Size **32c**

Stock No.	Ohms	Stock No.	Ohms
YE4950	25000	YE4952	50000

Your Cost  
Either Size **37c**

Stock No.	Ohms	Stock No.	Ohms
YE4891	75000	YE4892	100000

Your Cost  
Either Size **49c**

2 x 3/8" Isolantite Tube  
25-Watt Rating

Stock No.	Ohms	Stock No.	Ohms
YX20744	10	YX20752	800
YX20745	20	YX20753	1000
YX20746	50	YX20754	1500
YX20747	100	YX20755	2000
YX20748	200	YX20757	2500
YX20750	500	YX20759	4000
YX20751	750	YX20760	5000

Your Cost,  
Any Above Size **42c**

Stock No.	Ohms	Stock No.	Ohms
YX20765	10000	YX20795	15000

Your Cost,  
Either Size **46c**

Stock No.	Ohms	Stock No.	Ohms
YX20796	20000	YX20797	25000

Your Cost,  
Either Size **54c**

50-Watt, 4 x 3/8"

Stock No.	Ohms	Stock No.	Ohms
YX20771	200	YX20776	1000
YX20772	300	YX20778	2000
YX20773	400	YX20779	2500
YX20774	500	YX20782	5000

Your Cost,  
Any Above Size **66c**

Stock No.	Ohms	Stock No.	Ohms
YX20783	6000	YX20789	15000
YX20787	10000	YX20790	20000
YX20788	12000	YX20791	25000

Your Cost,  
Any Above Size **73c**

Stock No.	Ohms	Stock No.	Ohms
YX20792	30000	YX20794	50000

Your Cost,  
Any Above Size **83c**

YX20825—Extra Slider  
Your Cost Each **5c**

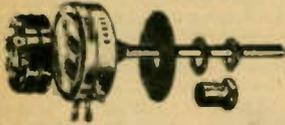
Mail Your Orders to NEW YORK, CHICAGO or ATLANTA

# These VOLUME CONTROLS CAN BE USED AS

**YAXLEY**

## UNIVERSAL VOLUME CONTROLS

**YAXLEY**



These Universal controls can be used to service the great majority of sets in use at the present time. They are furnished with a 3" milled shaft of special aluminum alloy, standard bushing, special cover plate which may be removed for attaching switch, and adjustable bias plates for those controls which require them. Taper No. 1—antenna or audio shunt; No. 11—series circuits, cathode voltage, etc.; No. IV—uniform taper; No. VII—combined antenna and bias circuits. A complete listing of manufacturers' type controls, special tapped and dual controls, replacement rheostats and potentiometers, etc., will be found on pages 154, 155 and 156 in catalog 59.

plates for those controls which require them. Taper No. 1—antenna or audio shunt; No. 11—series circuits, cathode voltage, etc.; No. IV—uniform taper; No. VII—combined antenna and bias circuits. A complete listing of manufacturers' type controls, special tapped and dual controls, replacement rheostats and potentiometers, etc., will be found on pages 154, 155 and 156 in catalog 59.

### Universal "Dual" Controls

This line of dual controls retains all the features of the singles listed at the right. They consist of two volume controls strapped together and driven by a common shaft. The nine units listed below will service practically any receiver using this type control.

Stock No.	Mfrs. No.	Type	Res. in Ohms		Taper	
			Front	Rear	Front	Rear
YF6684	CE	WW	2000	5000	1	1
YF6688	GE	WW	10000	5000	V11	1V
YF6685	GG	WW	10000	10000	V11	1V
YF6686	GK	Car.	10000	50000	1	1V
YF6659	LL	Car.	100000	100000	1	1
YF6687	LM	Car.	100000	250000	1	1
YF6749	MM	Car.	250000	250000	1	1
YF6750	MN	Car.	250000	500000	1	1
YF6689	NN	Car.	500000	500000	1	1

WW—wire-wound element. Car.—carbon element.

Any Size, Your Cost Each, Less Switch **\$1.47**

### Universal "Single" Controls

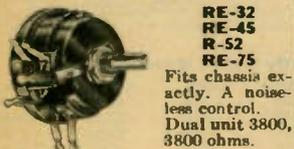
This control is illustrated and described at the left.

Stock No.	Mfrs. No.	Type	Res. Ohms	Taper	Stock No.	Mfrs. No.	Type	Res. Ohms	Taper
YF6661	R	WW	6	1V	YF6715	Y	Car.	20000	1
YF6662	S	WW	10	1V	YF6676	J	Car.	25000	1
YF6663	T	WW	20	1V	YF6677	K	Car.	50000	1
YF6664	U	WW	30	1V	YF6716	K12	Car.	50000	1
YF6665	V	WW	60	1V	YF6717	Z	Car.	75000	1
YF6666	W	WW	100	1V	YF6718	Z12	Car.	75000	1
YF6667	X	WW	200	1V	YF6678	L	Car.	100000	1
YF6668	A	WW	500	1	YF6679	M	Car.	250000	1
YF6669	B	WW	1000	1	YF6680	N	Car.	500000	1
YF6670	C*	WW	2000	1	YF6681	O	Car.	1 Meg.	1
YF6704	C12*	WW	2000	1	YF6682	P	Car.	2 Meg.	1
YF6671	D*	WW	3000	1	YF6719	UC-500	WW	1000	1
YF6675	D7*	WW	3000	V11	YF6720	UC-501	C	10000	1
YF6706	D12*	WW	3000	1	YF6721	UC-502	C	150000	1
YF6672	E*	WW	5000	1	YF6722	UC-503	C	750000	1
YF6707	E7*	WW	5000	V11	YF6723	UC-504	C	3 Meg.	1
YF6708	E12	Car.	5000	1	YF6724	UC-505	C	4 Meg.	1
YF6673	F*	WW	7500	1	YF6725	UC-506	C	5 Meg.	1
YF6709	F7*	WW	7500	V11	YF6726	UC-507	C	5 Meg.	1
YF6710	F12	Car.	7500	1	YF6727	UC-508	C	9 Meg.	1
YF6674	G*	WW	10000	1	YF6727	UC-508	C	9 Meg.	1
YF6711	G7*	WW	10000	V11	YF6728	UC-509	C	250000	1
YF6712	G12	Car.	10000	1	YF6729	UC-510	C	100000	1
YF6675	H*	WW	15000	1	YF6730	UC-511†	C	250000	1
YF6713	H7*	WW	15000	V11	YF6731	UC-512†	C	500000	1

C. or Car.—carbon element. WW—wire-wound element. \*—has adjustable bias. †—has slotted shaft for auto receivers.

Your Cost Each, Less Switch, Any of the Above Controls **59¢**

### Truest Duplicates For VICTOR Models



RE-32  
RE-45  
RE-52  
RE-75  
Fits chassis exactly. A noiseless control. Dual unit 3800, 3800 ohms.

YH9094  
Your Cost Each **85¢**

For RCA-Victor models 42, 48, R-14, R-15, R-17. Dual volume control: front section, 10,000 ohms; rear, 25,000 ohms.

YH9093  
Your Cost Each **\$1.10**

### PHILCO 20, 20A and 220

21-22-77-77A-220A-70-270-70A-270A-470-470A-570A-70-90A-370-370A. Dual unit, 285-5000 ohms.

YH9092  
Your Cost Each **79¢**

### Filtermatic Octave Tone Control



Grid circuit type; is in form of conventional control, but is of capacitor type. Capacitance variable from 50 mmfd. to .006 mfd. in 7 gradual steps. There is no danger of breakdown.

YF6840—Less switch  
Your Cost Each **39¢**

YF6841—With switch  
Your Cost Each **58¢**

### NOTE

This supplement lists only a small portion of the parts found in our 136-page general catalog, No. 59. Send for your copy now—it's free.

**YAXLEY**

### Volume Control Switches

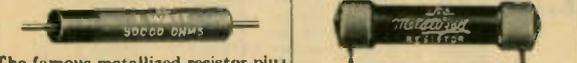
For Above Controls

Stock No.	Mfrs. No.	Type	Your Cost	Stock No.	Mfrs. No.	Type	Your Cost
YF6288*	6	S.P.S.T.	29¢	YM12853	8	S.P.D.T.	35¢
YF6564	9	S.P.S.T.		YF6289	7	D.P.S.T.	

\*Special shallow type, for use where space is limited.

### Be Safe—Buy I R C Metallized RESISTORS!

Insulated—Type "B" Standard Type "F"



The famous metallized resistor plus processed insulation. RMA color-coded. Tinned leads. Specify resistance desired.

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Megohms
100	2250	17500	200000	100	6000	50000
150	2500	20000	250000	250	7000	75000
200	3000	22500	300000	500	8000	100000
250	3500	25000	400000	1000	9000	150000
300	4000	30000	500000	1500	10000	200000
350	5000	35000	600000	2000	12500	250000
400	6000	40000	750000	2250	15000	300000
450	7000	50000	1 meg.	2500	17500	400000
500	7500	60000	1.5 meg.	3000	20000	Megohms
600	8000	65000	2 meg.	3500	25000	1/2
750	9000	70000	3 meg.	4000	30000	1
800	10000	75000	4 meg.	5000	40000	1 1/2
1000	11000	100000	5 meg.	YE5250—Type F-1/2 (1/2 watt). 1" long. Pigtail type.		
1250	12000	125000	6 meg.	Your Cost Each <b>12¢</b>		
1500	12500	150000	10 meg.	YE5251—Type F-1 (1 watt). 1 1/4" long. Pigtail type.		
2000	15000			Your Cost Each <b>12¢</b>		
YE5206—1/2-watt. 5/8"x1/16" in dia. From 100 ohms to 5 meg.				YE5252—Type F-2 (2 watt). 1 3/4" long. Pigtail type.		
Your Cost Each <b>12¢</b>				Your Cost Each <b>18¢</b>		
YE5207—1-watt. 1 1/4"x1/8" in dia. 300 ohms to 10 meg.						
Your Cost Each <b>15¢</b>						

\*Available in 1-watt type only.

### Free! Resisto-Chest

Order 56, (2 of each), of the new type "B" 1-watt resistors and this valuable chest is yours—free! 8 1/4" high, 4 3/4" wide and 5 1/2" deep; has 7 small drawers and 1 large. Handy formulas and color codes included. Has dozens of uses. Shpg. wt. 6 lbs.

YE5208—Resisto-Chest with 56 assorted type "B" 1-watt units. **\$8.23**

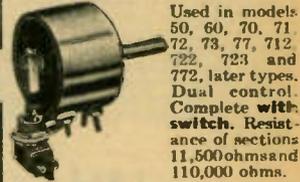
Your Cost

YE5209—Resisto-Chest only. **90¢**

Your Cost Each



### Truest Duplicates 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.

YH9095  
Your Cost Each **\$1.29**

### 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.

YH9096  
Your Cost Each **79¢**

### ICA Universal Resistovolt

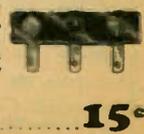
Protects and prolongs life of tubes and parts. Works on a.c. or d.c. Action is automatic—needs no attention. Shpg. wt. 8 oz.

Y112615—For sets up to 6 tubes.  
Y112620—For more than 6 tubes.  
Your Cost, Either Size **55¢**

### ELECTRAD C. T. Resistors

Accuracy, 1%. In 10, 15, 20, 30, 50, 75, 100, 200 ohms. Coated with enamel. Specify resistance.

YG7322  
Your Cost Each **15¢**



# REPLACEMENTS in 98% OF ALL STANDARD RADIOS

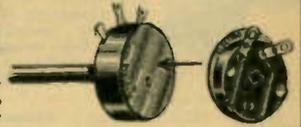
## ELECTRAD UNIVERSAL VOLUME CONTROLS ELECTRAD

### Special Replacement Controls

The following controls are designed to replace manufacturers' originals without the necessity of redrilling, rewiring or adding parts. Furnished complete with switch where the original control calls for one. Will fit perfectly. In the event that the control you desire is not listed, we can supply a replacement unit if you will follow this procedure send sample (defective control) if possible; specify make and model of receiver. We will quote lowest price.

Manufacturer And Model	Electrad No.	Res. Ohms	Stock No.	Your Cost
<b>Stewart-Warner</b>				
R100E	298	32000	YG7925	\$0.88
<b>Spartan</b>				
69, 79A, 89, 101, 593, 110AC, 301, 591, 930, 931	357	50000	YG7930	.88
410, 420, 600A, 610A, 620A	1717TP	30000 50000	YG7983	1.76
<b>Bosch</b>				
28, 29	1747	250000	YG7995	.88
<b>Brunswick</b>				
11, 12, 16, 33. Below serial No. 25000 in each model	365	18000	YG7931	.88
<b>Philco</b>				
70 early, 70A early, 90 with 45's, 90A, 270, 270A, 470, 470A, Lazy Boy 370	1824T	225 5000	YG8049	1.47
<b>RCA</b>				
R32, RE45, RE52, RE75, RE154, RE156	1706T	3800 3800	YG7979	1.47
R14, R15, R42, RE17, Radiola 48	570T	25000 10000	YG8054	1.76
<b>Zenith</b>				
10, 70, 82, 89, 102, 112, 122, 822, 892, Hyper Mer-ton	1434TP	11500 110000	YG7976	1.76

Employ newly perfected graphite element which cannot flex or warp. Bakelite case, with metal end plate and aluminum shaft. Approved switch can be easily added. Letters following resistance indicate taper: U—uniform; A—antenna shunt or "C" bias; C—"C" bias; P—audio plate control; GT—audio grid or tone control. "W" indicates wire winding. No. 204 is a rheostat type control.



### Universal "Single" Controls

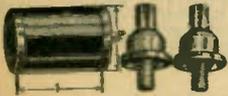
Stock No.	Mfrs. No.	Res. Ohms	Stock No.	Mfrs. No.	Res. Ohms
YG7917	275W	800U	YG7902	201	15000A
YG7918	276W	1000U	YG7921	279	25000U
YG7909	232W	2000U	YG7922	280	25000P
YG7910	233W	3000U	YG7913	241	30000P
YG7919	277W	4000U	YH7906	205	50000U
YG7911	234W	5000U	YG7903	202	75000C
YG7920	278	5000A	YG7914	242	100000GT
YG8083	560	7500A	YG8125	281	200000U
YG7924	283	10000U	YG7908	208	250000GT
YG7912	240	10000A	YG7904	203	500000GT
YG8091	573	12000C	YG7907	206	1 Meg. GT

Any Size Above, Your Cost Each, Less Switch **59¢**

Stock No.	Mfrs. No.	Ohms	Tapped At	Your Cost
YG7846	894	1/2 meg.	100000	\$0.88
YG7838	895	1 meg.	200000	.88

Stock No.	Mfrs. No.	Ohms	Tapped At	Your Cost
YG7833	S.P.D.T.			
YG7840	D.P.S.T.			
Your Cost Each				<b>35¢</b>

### ELECTRAD Precision Wire-Wound 1-Watt Resistors

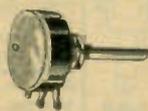


Accuracy 1%. Designed for meters and instruments. Supplied with leads; ferrules (screw terminals) extra. Non-inductively wound.

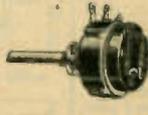
Stock No.	Res. Ohms	Current Ma.	Your Cost
YE5002	1	1225	
YE5003	5	548	
YE5004	10	387	
YE5005	25	245	
YE5006	50	173	<b>50¢</b>
YE5007	100	122	
YE5008	150	100	
YE5009	200	86	
YE5010	500	55	
YE5011	1000	38	
YE5012	2500	24	<b>53¢</b>
YE5013	4500	18	
YE5014	5000	17	<b>58¢</b>
YE5015	7500	14	
YE5016	10000	12	
YE5017	12500	11	<b>64¢</b>
YE5018	15000	10	
YE5019	20000	8.6	
YE5020	25000	7.7	
YE5021	30000	7	<b>79¢</b>
YE5022	35000	6.5	
YE5023	40000	6.1	
YE5024	50000	5.5	
YE5025	60000	5	
YE5026	75000	4.4	<b>94¢</b>
YE5027	100000	3.8	\$1.09
YE5028	125000	3.4	1.23
YE5029	150000	3.1	
YE5030	175000	2.9	<b>\$1.38</b>
YE5031	200000	2.7	
YE5032	225000	2.5	<b>\$1.53</b>
YE5033	250000	2.4	
YE5034	300000	2.2	\$1.68
YE5035	400000	2.2	1.76
YE5036	500000	1.5	2.00
YE5037	750000	1.0	2.64
YE5038	1 Meg.	0.7	3.09

Ferrules Only  
YE5001—Your Cost, Per Pair **15¢**

## Centralab Radiohms



Centralab controls use these features: patented rocking contact to the resistor; no change or noise after long service. Patented non-rubbing contact bearing an oil-treated wood bearing and a smooth polished



metal contact band. Shaft milled flat, 2 1/4" long. Diameter, 1 1/4", depth 3/8"; shaft, 1/2"; bushing, 3/8". Bakelite housed with metal dust-proof shield. Listing is coded to indicate taper as follows: U—Voltage Divider (Uniform); S—Antenna Shunt; A—Antenna Shunt and C Bias; A1—Antenna Shunt and C Bias, 1 Tube; A2—Antenna Shunt and C Bias, 2 Tubes; C—C Bias; T—Tone Control; GT—Audio Grid or Tone Control; P—Series in R. F. Plate.

Stock No.	CRL No.	Res. Ohms	Stock No.	CRL No.	Res. Ohms
XH8576	72-118	500U	XH9032	70-206	25000C
XH8865	72-107	1000U	XH8860	72-102	25000S
XH8859	72-101	2000U	XH8861	72-103	50000U
XH8866	72-108	3000U	XH8875	72-117	50000T
XH8867	72-109	4000U	XH9033	72-123	75000T
XH8868	72-110	5000U	XH8840	70-202	75000C
XH8842	70-204	5000S	XH8862	72-104	100000U
XH8872	72-114	10000A	XH8880	72-122	100000GT
XH8871	72-113	10000A1	XH8878	72-120	200000GT
XH8843	70-205	10000A2	XH8694	72-131	20000C
XH8858	72-100	10000S	XH8879	72-121	250000GT
XH8873	72-115	15000A	XH8864	72-106	500000U
XH8931	79-006	15000A	XH8841	70-203	500000P
XH8877	72-119	20000A	XH8874	72-116	1 Meg. GT
XH8869	72-111	25000U	XH8696	72-132	3 Meg. GT

Any Type, Your Cost Each **59¢** Switch, Cover Plate, YH8665 Your Cost **29¢**

### Thutest Tru-Taper Controls

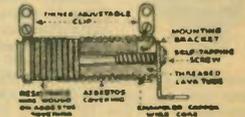
Shafts extend 1 1/4" from controls. Furnished with 3/8" bushing, 1/2" milled shaft. Multi-point wiper.

Stock No.	Switch	Plain	in Ohms	Circuit
YH9070	YH9081		1000	Antenna Shunt
YH9071	YH9082		2000	Antenna Shunt, "C" Bias
YH9072	YH9083		5000	Antenna Shunt
YH9073	YH9084		10000	Antenna Shunt, "C" Bias and Ant.
YH9074	YH9085		25000	Antenna Shunt, "C" Bias and Ant.
YH9075	YH9086		50000	Screen Voltage or Tone Control
YH9076	YH9087		75000	"C" Bias Control
YH9077	YH9088		100000	Screen Voltage or Tone Control
YH9078	YH9089		250000	Audio Shunt or Tone Control
YH9079	YH9090		500000	Audio Shunt or Tone Control
YH9080	YH9091	1 Megohm		Audio Shunt or Tone Control

With Switch Your Cost **39¢** Less Switch Your Cost **28¢**



### ELECTRAD Truvalt Adjustable 10-Watt Resistors



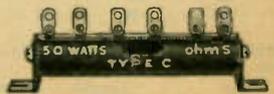
Supplied with one slide and protective fibre cover. The illustration tells the entire story. 1000-volt insulation.

Stock No.	Res. Ohms	Stock No.	Res. Ohms
YG7150	1	YG7168	800
YG7151	2	YG7169	1000
YG7153	3	YG7170	1250
YG7155	7.5	YG7171	1500
YG7156	10	YG7172	2000
YG7157	15	YG7173	2500
YG7159	25	YG7174	3000
YG7160	30	YG7175	4000
YG7161	50	YG7176	5000
YG7162	75	YG7177	7500
YG7163	100	YG7178	10000
YG7164	200	YG7179	15000
YG7165	300	YG7180	20000
YG7166	400	YG7181	25000
YG7167	500		

Your Cost Each **29¢** Any Size Above

YG7632—Extra sliders for above. Your Cost, 50¢ per doz. Each **5¢**

### ELECTRAD Variable Voltage Dividers



13,000 Ohms—50 Watts Has 4 sliding taps. YG7318—Your Cost **76¢** 25,000 Ohms—50 Watts Also has 4 sliding taps. YG7319—Your Cost **76¢**

Mail Your Orders to NEW YORK CHICAGO or ATLANTA

# Variable Condensers and Dials



## Thru-test



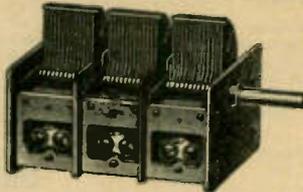
### Midget Condensers With Knob

Light weight, strong and compact. Low loss construction. Non-corrosive aluminum plates with Bakelite insulation. For single hole mounting,  $\frac{1}{4}$ " shaft. Suitable for low-power transmitters.

Stock No.	Cap. Min.	Mmfd. Max.	Plates	Your Cost
YH9724	3	15	3	\$0.32
YH9728	4	30	5	.32
YH9729	5	40	7	.40
YH9731	6	80	11	.45
YH9727	7	100	14	.48
YH9714	8	140	20	.55
<b>Double Spaced</b>				
YH9706	4	35	10	.58
YH9707	5	50	16	.68

## Thru-test

### Variable Compact S. W. and Broadcast Condensers

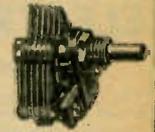


Trimmers on 2 and 3 gang. Heavy aluminum plates. Ball bearing rotor. Low end plates. Measure  $1\frac{1}{4} \times 3\frac{1}{16}$ ". Mounting holes on front, rear and bottom. Single units have  $\frac{1}{4}$ " shafts; multiple units have  $\frac{3}{8}$ " shafts. Mounting centers  $1\frac{1}{4}$ ". Bakelite insulation. Capacitance increases with clockwise rotation. Average shpg. wt. 2 lbs.

Short Wave Compact Condensers (TRF)				
Stock No.	Cap.	Gangs	Lgth.	Your Cost
YH9716	.00015	1	$1\frac{1}{2}$ "	\$.72
YH9717	.00025	1	$1\frac{3}{8}$ "	.72
YH9718	.0001	2	$2\frac{1}{2}$ "	.95
YH9719	.00015	2	$2\frac{1}{2}$ "	.98
Broadcast Compact Condensers (TRF)				
YH9720	.000365	1	$1\frac{1}{2}$ "	\$0.75
YH9721	.000365	2	$2\frac{1}{2}$ "	.84
YH9722	.000365	3	$3\frac{3}{8}$ "	1.23
Condensers for 175 Kc. Supers				
YH9794	.000365	2	$2\frac{1}{2}$ "	\$0.84
YH9795	.000365	3	$3\frac{3}{8}$ "	1.23
Condensers for 456 Kc. Supers				
YH9796	.000365	2	$2\frac{1}{2}$ "	\$0.84
YH9797	.000365	3	$3\frac{3}{8}$ "	1.23

## NATIONAL Experimenters' Condensers

Designed to meet the demand for a quality low-priced capacitor especially for experimental work. Non-corrosive brass plates, single-hole mount,  $\frac{1}{4}$ " shaft, SLC plates with 180° stop Bakelite insulation. Can be used for low-power transmitters as well as receivers. Sturdy, non-wobble brass bushing assembly. Complete with mounting nut. Shpg. wt. 1 lb.



Stock No.	Cap.	Mmfd.	Spacing	Your Cost
YN14327	15	Double		\$0.51
YN14344	25	Double		.51
YN14392	35	Double		.60
YN14342	50	Single		.54
YN14322	100	Single		.60
YN14343	140	Single		.75

## Kurz-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 backlash. Fits  $\frac{1}{4}$ " shaft. Shpg. wt. 1 lb.



Stock No.	Range	Size	Your Cost Each
YH9803	200-0	4"	<b>45¢</b>
YH9804	0-200	4"	
YH9805	100-0-100	4"	
YH9806	0-100-0	3"	

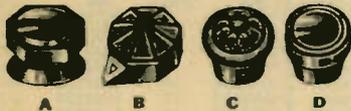
## New "Band Spread" Airplane Dial



No finer dial could be desired for short-wave receivers—has both a dual pointer and "second hand." The "second hand" or "band spread" ratio is 36:1, making critical or "fine" tuning simple. In addition to this band spread feature it has 2-speed tuning control so that the dial to condenser ratio is: normal 24:1, slow speed 126:1. Diameter  $3\frac{1}{4}$ ". For  $\frac{1}{4}$ " shaft. Includes 2 pilot light sockets, bronze escutcheon plate, and double knob. Shpg. wt. 2 lbs.

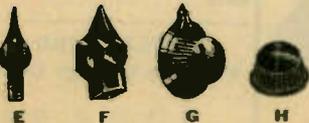
YH14221 (clock rotation) **\$2.25**  
Your Cost .....

## Bakelite Knobs & Pointers



These attractive knobs are made of molded Bakelite with walnut color finish. All are for  $\frac{1}{4}$ " shafts, set screw type. Type D is two-toned walnut.

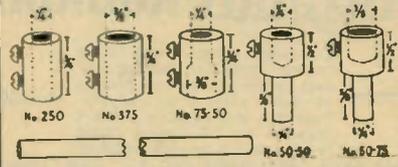
Stock No.	Type	Diam. Ins.	Your Cost Each	Cost Per Doz.
YH9657	A	$\frac{3}{8}$ "	6c	65c
YH9658	A	$\frac{1}{2}$ "	7c	80c
YH9659	A	1"	8c	90c
YH9660	B	$1\frac{1}{8}$ "	6c	65c
YH9652	C	$1\frac{1}{4}$ "	6c	65c
YH9653	D	$1\frac{1}{4}$ "	8c	90c



For analyzers, test instruments, transmitters, etc. All are for  $\frac{1}{4}$ " shafts.

Stock No.	Type	Length Ins.	Diam. Ins.	Your Cost Each
YM13055	F	$2\frac{1}{2}$ "	$\frac{3}{8}$ "	7c
YM13056	F	$1\frac{1}{2}$ "	$\frac{3}{8}$ "	14c
YH9896	G	1"	$1\frac{1}{8}$ "	18c
YH9895	G	$2\frac{1}{2}$ "	$2\frac{1}{8}$ "	5c
YH9885	H	With arrow	$1\frac{1}{8}$ "	8c
YH9886	H	pointer	$1\frac{1}{2}$ "	

## Couplings and Extenders



For mounting two or more units in tandem. Extenders for lengthening shafts. 6-32 machine screws used on all couplings and extenders.

YP15000	$\frac{1}{4}$ " shaft coupling.	9c
YP15001	$\frac{1}{2}$ " shaft coupling.	80c
YP15002	$\frac{3}{4}$ " shaft coupling.	9c
YP15003	$1\frac{1}{4}$ " shaft extender.	14c
YP15004	$1\frac{1}{2}$ " shaft extender.	14c
YP15005	$1\frac{3}{4}$ " shaft extender (not illustrated).	18c
Your Cost Each, Specify Type		
10 For	YP15010—6" length brass shafting.	9c
Your Cost	YP15011—6" length fibre shafting.	14c
Your Cost	YP15012—12" length brass shafting.	14c
Your Cost	YP15013—12" length fibre shafting.	18c
Your Cost		

## Insulated Shaft Couplings

YP15014	$\frac{1}{4}$ " shaft coupling.	10c
YP15017	$\frac{1}{2}$ " reducer.	10c
YP15018	$\frac{3}{4}$ " reducer.	10c
Your Cost Each		
10 For		95c

## Mazda Pilot Bulbs



Used for radio dial lamps, indicators, etc. Standard carton contains 10 bulbs.

Stock No.	Volts	Amp.	PKGE.	Your Cost
YL12250	2.5	0.50	OF	\$0.53
YL12251	3.2	0.45	OF	.69
YL12252	6.8	0.50	10	.53

## SPECIAL AIR CELL BULB

Tubular, miniature base. 2 volts, 0.06 amp. YL12274—10 for \$1.40  
Your Cost Each **15¢**

## VICTOR MAZDA Pilot Bulb

Intermediate base, frosted bulb. 110 volts. For use in Colonial, Victor, and other receivers. YL12253—Carton of 10, \$1.65  
Your Cost Each **17¢**

## Special Airplane Dial



Full-vision  $2\frac{1}{2}$ " dial; glass lens. Ratio, 5:1 in 360°. Double-edged pointer; upper scale, 550-1600 kc., lower scale, 0-100. Takes  $\frac{1}{4}$ " or  $\frac{5}{16}$ " shaft. 2 pilot light sockets.  $3\frac{3}{8}$ " bronze bezel; Shpg. wt. 1 lb.

YH9912  
Your Cost **56¢**

## "Giant" Airplane Dial

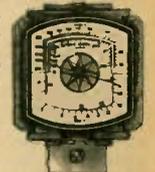
Has 5" full-vision dial and double knife-edge pointer. Glass lens. Calibrated in 3 bands: 520-1600 kc.; 1500-4600 kc.; 5.8-15.8 mc. Last band also has bands in meters and word descriptions. Ratio 5 $\frac{1}{2}$ :1 in 180°. Has  $\frac{1}{4}$ " shaft and positive friction grip drive, 2 pilot light sockets and 6" bronze escutcheon. Shpg. wt. 2 lbs.



YH9906—Takes either  $\frac{3}{8}$ " or  $\frac{1}{2}$ " shaft.  
Your Cost Each **\$1.49**

## Modern Airplane Dial

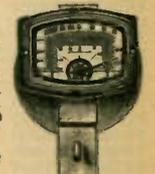
This attractive modernistic dial will dress up any receiver. Scale supplied is calibrated for 3 bands, 550 to 1700 kc., 1.75 to 5 mc., 5 to 20 mc. Bands clearly marked and all scales easily and directly read. Ratio 12:1 in 180°, diameter  $3\frac{3}{8}$ ". Obtainable for  $\frac{3}{8}$ " or  $\frac{1}{2}$ " condenser shafts. No necessity for special cabinet cutout—will fit standard  $3\frac{3}{8}$ " round opening. Has a positive friction drive that will not wear. Complete with bronze escutcheon. Shpg. wt. 1 lb.



Stock No. Cond. Shaft Your Cost Each  
YH9908  $\frac{3}{8}$ " **95¢**  
YH9909  $\frac{1}{2}$ "

## Midget Dial

Unbreakable lens;  $\frac{1}{4}$ " shaft; takes  $\frac{3}{8}$ " or  $\frac{1}{2}$ " condenser; 2 bands: 530-1610 kc., 1.5-4.2 mc.; pilot lite socket; rectangular window  $2\frac{1}{4} \times 1\frac{1}{2}$ "; with escutcheon; shpg. wt. 1 lb. clockwise rotation.



YH9905  
Your Cost **69¢**

## Pilot Light Sockets



YF6476—Rubber grommet type at left; has two terminals.  
YH9812—Clip type at right.  
Your Cost Each **5¢**  
Either Type  
Per Dozen, Either Type...50c

# Super-Het & T.R.F. COILS

## Iron Core I.F. Transformers



Newly designed i.f. transformers that provide a great increase in selectivity and gain, and lower noise level. Employ iron core composed of fine particles of pure soft iron, each particle insulated from the others. Ideal for use as replacement coils, or for the new circuit. All double tuned, from top; trimmers have isolantite bases. In metal cans  $1\frac{1}{2} \times 1\frac{1}{2} \times 3\frac{1}{2}$ ". Have leads. Complete instructions for easy installation furnished.

### Input I.F. Transformers

Stock No.	Freq.	Your Cost
YH9690	175 Kc.	<b>\$1.18</b>
YH9689	456 Kc.	

### Output I.F. Transformers

Stock No.	Freq.	Your Cost
YH9688	175 Kc.	<b>\$1.18</b>
YH9687	456 Kc.	

## Air-Tuned I.F. Transformers



Pie-wound transformer with air-tuned condensers. Double tuned. Assures more constant gain and selectivity than compression type mica condenser tuned

i.f.'s which vary with temperature and humidity. Shpg. wt. 2 lbs. each unit.

Stock No.	Freq.	Your Cost	Any Type
YH10200	175 kc., inter-stage.	<b>\$1.79</b>	Each
YH10201	175 kc., diode stage.		
YH10202	465 kc., inter-stage.	<b>\$1.79</b>	Each
YH10203	465 kc., diode stage.		

### Beat Frequency Oscillator

YH10208—Double air-tuned and fitted with vernier tuning device. Includes grid leak and condenser. Shpg. wt. 2 lbs. **\$2.10**

## Midget Trimmers



Extremely compact trimmers mounted on bakelite strips. Ideal for use in short wave sets. Have solder lug terminals. Capacity range from

Stock No.	Inductance	Your Cost
YH9775	Each	<b>6¢</b>

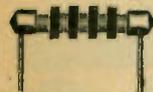
## R.F. Chokes



Lattice wound on wooden spools and accurately rated. Sizes from 30 millihenrys up

Stock No.	Inductance Millihenrys	Your Cost
YH10133	2.5	<b>\$0.13</b>
YH10099	6	<b>.15</b>
YH10100	8	<b>.16</b>
YH10101	16	<b>.19</b>
YH10134	30	<b>.27</b>
YH10135	60	<b>.36</b>
YH10136	80	<b>.47</b>

## National R.F. Choke



An excellent choke for use in receivers or in low powered transmitters. Equal in size to the standard one watt resistor. Wound in 4 sections on Isolantite. Inductance  $2\frac{1}{2}$  mh., d.c. resistance 50 ohms, distributed cap., 1 mfd., rating 125 ma.

Stock No.	Your Cost
YH14425	<b>45¢</b>

## Bakelite Rim Type Plug-In Coils



Compact plug-in coils for short wave receivers. Wound on smooth bakelite forms provided with rims for easy handling. Windings are space wound.  $1\frac{1}{4}$ " diam.,  $2\frac{1}{4}$ " high. Designed for use with .00014 mfd. variable condenser.

### 4 Prongs—2 Windings

YH10040—Short Wave Coil Kit. Four coils cover from 16 to 217 meters. **85¢**

YH10041—Broadcast Coils. Two coils. 190 to 550 meters. **55¢**

YH10039—Ultra S.W. Coil. 9.5 to 21 meters. **35¢**

YH10042—Short Wave Kit. Four coils cover from 16 to 217 meters. **\$1.35**

YH10043—Broadcast Coils. Two coils. 190-550 meters. **85¢**

YH10044—Ultra S.W. Coil. 9.5-21 meters. **38¢**

## Rim Type Coil Forms

Constructed of molded bakelite and provided with rim tops to furnish a hand grip. Compact type, only  $1\frac{1}{4}$ " diameter,  $2\frac{1}{4}$ " high. Fit standard sockets. Low loss, high dielectric strength. Form only, no winding.



Stock No.	No. of Prongs	Your Cost Each
YH10060	4	<b>10¢</b>
YH10061	5	
YH10062	6	

## Ribbed Coil Forms

Constructed of genuine molded Bakelite. Have rim tops for easy handling. Ribbed construction for low loss winding. All  $1\frac{1}{4}$ " diameter,  $2\frac{1}{4}$ " high. Fit standard sockets. Coil forms only, no winding.



Stock No.	No. of Prongs	Your Cost Each
YH9988	4	<b>14¢</b>
YH9989	5	
YH9990	6	

## Tube Base S.W. Coils



These coils are efficient in operation. Have 4-prong bases. Shpg. wt. 1 lb.

Stock No.	No. of Prongs	Your Cost
YH9941	Set of four coils, 15 to 200 meters. Requires 140 mmd. condenser.	<b>45¢</b>

## Aladdin Polyiron R.F. and I.F. TRANSFORMERS

### Iron Core I.F. Coils With Adjustable Coupling



Inductive-coupled Litz wound coils mounted on a special Bakelite frame. A lateral adjustment is provided for the lower coil to secure the exact degree of coupling desired. Coils are adjusted for peak performance at the factory. In round aluminum cans  $3\frac{1}{2}$ " high. Top tuning; trimmers on isolantite forms. Color coded leads for connections. Diagrams furnished.

Stock No.	Kc.	Use	Tube	Your Cost Each, Any Above Type
YH9686	456	Interstage	6D6-6D6	<b>\$1.76</b>
YH9685	456	Converter	6A7-6D6	
YH9684	456	2nd I.F.	6D6-Diode	
YH9683	175	C.W.I.F.	6D6-6D6	
YH9682	175	C.W.I.F.	6D6-Diode	
YH9681	456	1st Stage	6A8-6K7	

### Air Tuned I.F. Transformers



Designed for precision custom built receivers. Inductively coupled air-trimmed Litz wire coils on a Polyiron core. Provides exceptionally high gain with maximum efficiency. In rectangular aluminum cans  $4 \times 1\frac{1}{2} \times 1\frac{1}{2}$ ". Top tuning. Color coded leads for connections. Instructions given.

Stock No.	Kc.	Use	Tube	Your Cost Each, Any Above Type
YH9681	456	Converter	6A7-6D6	<b>\$3.23</b>
YH9680	456	Diode In.	6D6-Diode	
YH9679	456	Interstage	6D6-6D6	
YH9678	456	Converter	6A8-6K7	
YH9677	456	Diode In.	6K7-6H6	
YH9676	175	Converter	6A7-6D6	
YH9675	175	Diode In.	6D6-Diode	
YH9674	456	1st Stage	6A8-6K7	
YH9673	456	2nd Stage	6K7-6H6	
YH9672	456	Beat Freq. Osc.	6C6	

### Midget "Metal Tube" I.F. Transformers

Small, Litz-wound Polyiron core inductively coupled coils designed for use in metal tube circuits. In copper cans with black enamel finish.  $2\frac{1}{2}$ " high by  $1\frac{1}{2}$ " square. Ideal for auto sets and portables. Top tuning. Leads for connections.



Stock No.	Kc.	Use	Tube	Your Cost Each, Any Above Type
YH9674	456	1st Stage	6A8-6K7	<b>\$1.47</b>
YH9673	456	2nd Stage	6K7-6H6	
YH9672	456	Beat Freq. Osc.	6C6	
YH9671	530-1500	Ant.		

### Antenna & R.F. Couplers

High gain coils using Polyiron cores. Higher gain and sharper resonance than is possible with air core coils. Inductive and capacitive coupling. All are Litz wire wound. In aluminum cans  $2"$  square by  $3"$  high.



Stock No.	Range	Kc.	Type	Your Cost
YH9671	530-1500	Ant.		<b>\$1.18</b>
YH9670	530-1500	R.F.		
YH9669	550-1725	R.F.		

### High Fidelity I.F. Band Expansion Unit

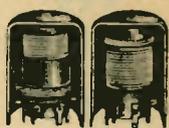
A Litz wound, double mica tuned unit in an aluminum can  $4"$  high,  $2"$  square. Provided with a special tapped winding, closely coupling the secondary to the primary for use in hand expansion circuits. Can be installed in any superhet. Instructions furnished.



Stock No.	Your Cost
YH9668	<b>\$2.65</b>

## Shielded Litz R.F. and Antenna Coils

175 to 550 Meters



High gain c.r.f. coils, accurately wound and precisely matched.

Windings are of the solenoid type, resulting in coils with maximum inductance. High impedance primaries, for screen grid tubes. All completely shielded in round aluminum cans  $1\frac{1}{2}"$  in diameter,  $2\frac{1}{4}"$  high. Two  $\frac{1}{2}"$  spade bolts for mounting. For use with a .000365 mfd. variable condenser. Connection diagrams included.

YH10077—Ant. Coil **33¢**  
YH10085—R.F. Coil **33¢**

YH10071—4 Tube Kit. Contains 1-Ant. and 1-R.F. coil. **60¢**

YH10073—5 Tube Kit. Contains 1-Ant. and 2 R.F. coils. **89¢**

YH10074—6 Tube Kit. Contains 1-Ant. and 3R.F. coils. **\$1.18**

## Matched Antenna and R.F. Coils

75 to 550 Meters



Dual wave coils with high impedance primaries, for screen grid tubes. Range 75 to 200 meters and 200 to 550 meters. For use with .000365 mfd. variable condenser.

Coil dimensions  $\frac{1}{2} \times 2\frac{3}{4}"$ . Supplied with mounting bracket, dowel and hardware. Coils can be mounted in any position. Diagrams furnished.

YH10003—Antenna Coil **32¢**  
YH10004—R.F. Coil **32¢**

## I.C.A. Iron Core R.F. Chokes



These new r.f. chokes utilize iron cores to provide many advantages.

Because of the greater "Q", gain and selectivity are increased when used as a tuned or untuned plate load. Since fewer turns of wire are needed for a given inductance, the units are smaller, and have lower distributed capacitance. Can be used to replace any other type r.f. choke, with marked improvement in results.

Stock No.	Induct. Millihen.	Your Cost
YH9667	2.5	<b>\$0.35</b>
YH9666	5.5	<b>.38</b>
YH9665	10	<b>.44</b>
YH9664	30	<b>.50</b>
YH9663	125	<b>.88</b>

### NOTE

Space limitations prevent a complete listing of all r.f., i.f., oscillator, etc. coils available. Refer to catalog 59 for a complete listing. We can supply replacement coils for Brunswick, Clarion, Majestic and RCA-Victor receivers. Prices on request.

Mail Your Orders to NEW YORK CHICAGO or ATLANTA

# Switches and Sockets



## NEW! Clip-Tite Bakelite Sockets

A new type sturdy socket of novel design, made of molded Bakelite. Is equipped with long contacts which grip tube pins firmly. The socket proper mounts in a special steel adapter plate in which it is held in place by a locking ring. Slotted mounting holes in the plate permit replacing of any socket having from 1 1/2" to 2" mounting centers. The eight-prong socket fits all octal-base tubes.

Stock No.	Prongs	Your Cost
YM13057	Four	7c
YM13058	Five	each
YM13059	Six	each

Stock No.	Prongs	Your Cost
YM13061	7, small	7c
YM13060	7, large	ca.
YM13050	8	9c

## NEW! Clip-Tite Steatite Sockets

This modern socket like its Bakelite mate at the left is mounted in a steel plate from which it can readily be removed by simply removing a holding ring. However, in this case the socket is made of glazed Steatite for greater efficiency on high and ultra-high frequency work. Will definitely improve results. Socket proper is 1 1/4" in diameter and 3/8" thick. 8-prong fits all octal-tube bases. Mounting dimensions at left.

Stock No.	Prongs	Your Cost
YM13194	Four	24c
YM13195	Five	
YM13196	Six	

Stock No.	Prongs	Your Cost
YM13197	7, small	24c
YM13198	7, large	29c
YM13199	8, octal	



## NA-ALD Bakelite Tube Sockets



Designed for breadboarding and mounting and for laboratory use. Made of Bakelite, with NA-ALD special contact binding posts at the terminals of the socket. All connections marked.

Stock No.	Prongs	Your Cost
YK11692	4	21c
YK11693	5	
YK11694	6	
YK11695	7 S	
YK11696	7 L	



## G.E. Rotary Switch

Bakelite housed. 1/2" shaft milled for 1/4" knob. Has 8" insulated leads. Rated 3 amps. 125 volts. Underwriters approved. These switches can be used in the majority of receivers. Quantities are limited. YM12827—Your Cost Each, Special... 9c

## JONES Speaker Plug

Quantity Limited Used on the Victor speaker, for set models R-32, RE-45, R-52, RE-76. Heavy plated contact prongs molded in genuine Bakelite. Equipped with a metal guard. YW19223—Your Cost... 5c



## Bakelite Combination Base or Panel Mount Sockets

Molded of black Bakelite and provided with genuine phosphor bronze contacts. Top is grooved. Single Sockets

Stock No.	Prongs	Your Cost
YM13090	4	\$0.13
YM13091	5	.14
YM13092	6	.15
YM13093	7, small	.19
YM13094	7, large	.19
YM13080	8	.21



## CUTLER-HAMMER Switches

C-H products have been the finest obtainable for over 40 years. They are approved by the Underwriters, and are conservatively rated.

**Toggle Switches**  
An approved high quality switch. Nickel-plated metal parts. 3 amps., 250 V. for the single pole; double, 6 amps., 125 V.; 2 amps., 250 V. All stems 1/16" diameter.

Stock No.	Description	Your Cost
YM12836	1/2" stem Single Pole-Single Throw	15c
	Per Dozen	\$1.70
YM12835	1" stem Single Pole-Single Throw	18c
	Per Dozen	\$2.00
YM12834	1/2" stem Single Pole-Double Throw	19c
	Per Dozen	\$2.10
YM12833	1/2" stem Double Pole-Double Throw	32c
	Per Dozen	\$3.60
YM12817	1/2" stem Double Pole-Single Throw	26c
	Per Dozen	\$2.95

## Rotary Switches S. P. S. T.

Approved by the Underwriters. Bakelite encased. 3 amps, 125 V. 1 1/4" shaft for knob. YM12838—Each... 16c Per Dozen... \$1.75

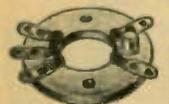
## S.P. Triple Throw

Exposed type. "Off" at center position. 6 amps. 24 V. 1/2" shaft, 1/4" diameter. YM12831—Your Cost, Each... 55c Per Dozen... \$6.00

**Single Pole-Double Throw**  
Same type as above. YM12832—Your Cost, Each... 25c Per Dozen... \$2.75

**Off-On Switch Plate**  
YM12818—Your Cost Each... 2c Per Dozen... 20c

## HAMMARLUND H. F. Acorn Socket



Extruded low-loss Isolantite base, with aligning plug. Top, sides and plug highly glazed. Silver plated double grip spring clips. 1 1/4" dia. Good for .5 to 5 meter work. List \$1.50 each. YH8473—Your Cost... 88c

## Bakelite Speaker Plugs



Stock No.	Description	Your Cost
YK11528	4-prong plug, Female Receptacle	23c
YK11529	5-prong plug	
YK11673	6-prong plug	
YK11674	Large size 7-prong plug	
YK11675	Small size 7-prong plug	
YK11676	8-Prong Any Type	29c
YK11532	4-prong plug, Male Plug	18c
YK11533	5-prong plug	
YK11678	6-prong plug	
YK11679	Large size 7-prong plug	
YK11680	Small size 7-prong plug	
YK11672	8-Prong Any Type	29c

## Midget Knife Switches

Adapted for either base or panel mounting. Have black Bakelite bases. Highly nicked brass parts with insulated handles. Single pole types 1 1/4" long and 1/2" wide; double pole 1 1/4" long and 1" wide.

Stock No.	Description	Your Cost
YR16842	S. P. S. T.	9c
YR16843	S. P. D. T.	15c
YR16844	D. P. D. T.	24c

## Four Pole Double Throw Switch

Servicemen and set builders can find many uses for this four-pole double-throw switch. Offered at a real low price. Rated 3 amps. 125 V. Aluminum case, lug terminals on fibre strips. Makes 2 and breaks 2 circuits per throw. Shaft extends 1 1/2". Mounting centers 1 1/2". Screws supplied. YM12849—Your Cost, Special... 14c

## For Midget Receivers

Constructed as above, but especially designed for compact or midget receivers. Mounting centers, 1 1/2". For glass and metal tubes.

Stock No.	Prongs	Your Cost	Per 10
YM13114	Four	5c	45c
YM13115	Five	each	
YM13122	Six	6c	55c
YM13125	7, small	each	
YM13127	7, large	each	
YM13127	8 pr. fits all octal-base tubes.	Your Cost	6c

## Octal Base Speaker Plug

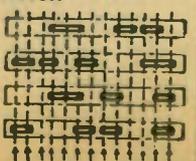
One piece construction. Molded locator pin simplifies plugging into any octal socket. YK11751—Your Cost... 9c



## 13 Blade-4 Position Rotary Switch

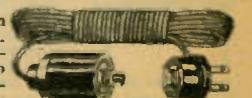
Made of the finest materials, micarta case, phosphor bronze contacts and blades, plated metal base, Bakelite mold. This is just the thing for the amateur, experimenter or set-builder. Diagram shows 4 positions obtainable.

YM12856—Shpg. wt. 2 lbs. Your Cost, Special... 10c



## NEW! Remote Control Switch

Consists of 20 feet of cord, combination receptacle-plug and "On-or-Off" switch. Completely wired. Approved by Underwriters. Needs no tools, rewiring or effort to install. Merely plug into radio, lamp, electric-fan, or any electrical device and it can be turned on or off from your easy-chair, bed, another room, or any point 20 feet away. Ideal for invalids. YM13319—Shpg. wt. 2 lbs. Your Cost, Special... 60c





# Set Builders Accessories



## Sheet Metal Punch



Easily punches holes for sockets, electrolytics, etc. Consists of punch, pin and anvil, all made of hardened tool steel, precision made. Will last a lifetime. Packed in sturdy wooden box. Shpg. wt. each, 2 lbs.

Stock No.	Hole	Stock No.	Hole
YP15291	3/8"	YP15294	1 1/2"
YP15292	1/2"	YP15295	1 3/8"
YP15293	1 1/8"		
<b>Your Cost Each</b>		<b>\$1.67</b>	
YP15296—Set of 5 punches		\$7.95	



## Riveting Punch Set



When used with anvil listed below will permit replacing broken rivets and making a factory type repair. dia. 5 1/2" long.

YP15280 **Your Cost** **50¢**

## Off-Set Riveting Anvil

Makes a complete unit to replace broken rivets when used with above punch.

YP15281 **Your Cost** **70¢**

YP15297—Rivets for above.

Package of 100. **Your Cost** **30¢**

## BLANK CHASSIS, PANELS, etc.



### Radio Panels

Bakelite and hard rubber are black and 3/16" thick—odd sizes cut at 1 1/2¢ per square inch. Aluminum 1/16" thick—odd sizes, 9¢ per square foot. Electroalloy, 1/16" thick, has an attractive dull silver finish, is rust-proof, non-magnetic and is very easily drilled, cut, soldered; odd sizes at 1¢ per square inch.

Bakelite		Hard Rubber		Aluminum		Electroalloy		
Size	Stock	Your	Stock	Your	Stock	Your	Stock	
Ins.	No.	Cost	No.	Cost	No.	Cost	No.	
7x10	YW19600	\$0.90	YW19630	\$0.54	YW19660	\$0.45	YY22310	\$0.32
7x12	YW19601	1.05	YW19631	.58	YW19661	.58	YY22311	.38
7x14	YW19602	1.23	YW19632	.68	YW19662	.68	YY22312	.45
7x18	YW19603	1.53	YW19633	.95	YW19664	.88	YY22314	.56
7x21	YW19604	1.89	YW19634	1.03	YW19665	1.00	YY22315	.66
7x24	YW19605	1.98	YW19635	1.18	YW19666	1.10	YY22316	.76
7x30	YW19608	2.49	YW19638	1.75			YY22317	.96

### Blank Chassis

Template is steel, lead-plated—it drills and solders easily and is attractive in appearance. Electroalloy is a zinc alloy which drills, cuts and solders easily; it is non-magnetic. Both chassis are open at the bottom.



### Template

Size	Shpg.	Stock	Your
Ins.	Wt.	No.	Cost
7x 9x2	3	YY22325	\$0.38
7x11x2	3	YY22326	.42
7x13x2	4	YY22327	.46
10x12x3	5	YY22328	.53
10x17x3	6	YY22329	.73
10x23x3	7	YY22330	.83

### Electroalloy

Stock	Your
No.	Cost
YY22331	\$0.65
YY22332	.78
YY22333	.88
YY22334	.96
YY22335	1.23
YY22336	1.45

## Skinderviken Mike Button



A real carbon-granule microphone button. Thousands of these units have been used by experimenters for innumerable experiments and practical uses. Measures overall 3/4" in diameter and 1/2" thick. Operates on a dry cell. Has screw contacts—needs no soldering. Complete with folder of numerous experiments and uses.

YM13485—**Your Cost** **59¢** Each

## Liquid Victron

The famous Victron h.f. insulation in liquid form for coating r.f. coils. Dries quickly. 1 ounce can.

YP15260—**Your Cost** **21¢**  
1 pint can **\$2.30**  
YP15275



## Black Crystallizing Lacquer

For touching up and for completely finishing panels, chassis, etc., in the attractive crystallized black professional finish.

YP15259—2 oz. can. **21¢**  
**Your Cost**  
1 pint can **73¢**  
YP15274

## Neon Glow Lamps



Made by G.E. Extremely sensitive, thus permitting great accuracy in tests for leakage, continuity, etc. Also used in tube checking circuits for indicating interelectrode shorts. Operate on 105-125 volts a.c. or d.c., except 1/2-watt types which operate on a.c. only.

Standard Base			Candelabra Base		
Stock No.	Wts.	Your Cost	Stock No.	Wts.	Your Cost
YL12265	1/2	36¢	YL12264		36¢
YL12266	1		YL12277		
YL12267	2	45¢	YL12278		<b>41¢</b>
YL12276	3	54¢			

Deduct 10% from above prices for 10 or more.

## MALLORY Bias Cell



Used by manufacturers for the past 18 months, this cell is now available to the set-builder. Only 1/2" high, 5/8" in diameter. No-current potential of 1 volt plus or minus 10%. Lasts indefinitely. Does away with several parts when used for biasing. With instructions.

YP6419—Cell only **18¢**  
**Your Cost Each**

### Holders Only

YP6420—For one cell. **Each** 6¢  
YP6421—For 2 cells in series. **Each** 12¢  
YP6422—For 3 cells in series. **Each** 15¢  
YP6423—For 4 cells in series. **Each** 21¢

## Neon TATTELITE Tester

Ideal for servicemen and electricians for testing blown fuses, live lines, open circuits, polarity, continuity tests, checking resistors, shorted condensers and a multitude of other tests. Made to fit the pocket, it employs a tiny neon lamp which consumes negligible current and which will glow on as little as 0.5 milliamperes. Glass is unbreakable; leads are color-coded and have phone tip ends. Can also be used in making oscillators and stroboscopic apparatus.



YK11310—With instructions **59¢**  
**Your Cost Each**

## Porcelain Receptacles



Ideal for above neon bulbs. Best grade.

YM13331—Candelabra base. **7¢**  
YM13330—Miniature. **Your Cost, Either**  
YM13327—Standard. **9¢**  
**Your Cost Each**

## Electric Cord & Plug

Attractive, hi-quality 6 ft. cord with sturdy plug. For replacement on sets, appliances, etc. Shpg. wt. 1 lb.

YM13285 **16¢**  
**Your Cost Each**

## Tube Jacket Shields



Will form-fit all dome type (ST) tubes. Complete with bases for wafer sockets with mounting holes 1 1/2" to 1 7/8" apart. Bodies consist of two identical shells that hug tube shape exactly, thus saving space. Cap and capless types are illustrated.



YM13258—For ST14 bulbs with or without cap: 24A, 35, 2A5, O1A, 22, 26, 32, 34, etc.  
YM13262—For short ST12 tubes without grid caps: 27, 37, 56, 76, 41, 84, 1223, 6Z4, etc.  
YM13264—For short ST12 tubes with grid caps, such as the 36, 75, 77, 78, 79, 39/44, 38, 6A7, 6B7, 6C7, 6D7, 6E7, 6P7, etc.  
YM13263—For long ST12 tubes with grid caps, such as the 6C6, 6D6, 57, 58, etc. **6¢**  
**Your Cost Each, Any Type**  
Lots of 100 **\$5.00**

## Circle Cutters

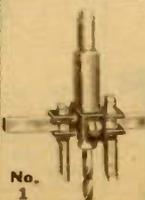


Excellent indicator. Choice of green, red or amber. Specify color desired.

YP6436—**Your Cost Each** **16¢**

Candelabra Base  
YP6412—Same as above, but for 110 V. Specify Color. **19¢**  
**Your Cost Each**

Jewel Only  
YP6413—Jewels only with locking nut. Specify Color **10¢**  
**Your Cost Each**



No. 1  
YP14717 No. 1. YP14734 No. 5  
**Your Cost, Either Type** **\$1.75**  
Shpg. wt. of cutters 2 lbs.

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.



YP14718—No. 2 **\$1.10**  
**Your Cost**  
YP14716—Extra Blades. **24¢**  
**Your Cost**  
Shpg. wt. of blades 1 lb.

## Bakelite Tubing

Black. Wall is 1/8" thick. Cut to your length, any size.

Stock No.	Out. Dia.	Your Cost Per Inch
YM13150	1"	\$0.03
YM13151	1 1/2"	.04
YM13152	2"	.65
YM13153	2 1/2"	.06
YM13154	3"	.07

## Aluminum Corner Posts

6" long. Grooved for 1/8" stock. Each end tapped for 1/8" screws.

YP14954—**Your Cost Each** **18¢**

## Color Coding Enamel

For color coding coils, terminals, etc. Green, blue, yellow, red and thinner. Brushes included.

YP15258—**Your Cost** **29¢**



## Note

Our 196-page general catalog, No. 59, lists several pages of parts and gadgets for the set builder. Send for your copy now.

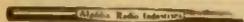
It's free for the asking.

Mail Your Orders to NEW YORK, CHICAGO or ATLANTA

# TOOLS For the WORK BENCH

NO WORKSHOP COMPLETE WITHOUT THIS EQUIPMENT

## POLY-IRON Resonator Alignment Tool



For determining correct alignment. A 6" flexible rubber rod; one end brass loaded—the other, core steel. Placing either end in magnetic field of coil will indicate inductive condition; whether aligned or above or below resonance. **YP14978—Your Cost 59¢**

## 5-In-1 Neutralizer Compensator—Tool Kit



Combines in a fountain-pen size compact tool 1/4" and 3/8" nut wrenches, miniature blade screw-driver for neutralizing and a full size insulated handle screw-driver. Extra strength fiber. **YP15082—Your Cost 65¢**

## Test Lead Bargain!



37 inch test leads equipped with phone tips at one end and 3/16 inch insulated prods at the other end. Sharp pointed prod ends. Flexible wire leads and prod-colored red and black. **YM12989—Your Cost 18¢**

## Hand Drill



Geared high Chuck takes drills from 1/8" to 1/2". Excellent quality. Shpg. wt. 2 lbs. **YP14747—Your Cost 39¢**

## Carbon Twist Drills



9 drills from 1/8" to 3/16" in handy wood box for the kit. Fast cutting; fine steel. Shpg. wt. 1 lb. **YP14709—Your Cost 35¢**  
**YP14710—Same set, in paper—Your Cost 29¢**

## ESICO "Special" Soldering Iron



Supplied With Two Tips

The real bargain hunter who knows will snatch at this genuine ESICO iron at this price. Heating element of nichrome wire; substantial handle of black wood; steel shank and brass ferrule; 55 watts; 6-ft. cord and plug and 2 screw-in tips. **YP14849—Shpg. wt. 3 lbs.—Your Cost Complete 65¢**

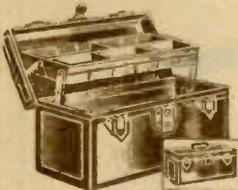
## INDESTRO Socket Wrench Set

Finished in bright cadmium with black wood handle. With 1/2", 3/4", and 1" hex sockets 3/8" round knurled



nut socket, and screw driver socket. Shpg. wt. 1 lb. **YP15111—Your Cost 45¢**

## UTILCO Steel Tool Box



Cantilever tray pulls into position when box is opened. Made of cold rolled steel with welded flush seams. Finished in hard baked, olive green enamel. Full grip handle. Has embossed rule on cover. Lock and key. Matched hardware. Size 14x6 1/2 x 6". Shpg. wt. 7 lbs. **YP14871—Your Cost Each 89¢**

## KESTER Radio Solder & Paste

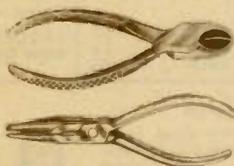


These products have been standard in industrial and communication fields for years. The spool form is more economical for the shop.

**YP15278—Paste Flux 2-ounce can—Your Cost 12¢**

	Rosin Core		Acid Core		Alum. Solder	
	Stock	Your Cost	Stock	Your Cost	Stock	Your Cost
Per Tin	YP14857	\$0.15	YP14878	\$0.15	YP14876	\$0.17
1 lb. Spool	YP14858	.56	YP14877	.56	YP14845	1.80
5 lb. Spool	YP14859	2.65	YP14879	2.65		

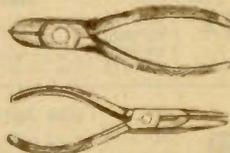
## Cutters & Pliers



**YP15127—Diagonal cutters, 5 1/2" long; hardened, drop-forged.**

**YP15241—Long nose pliers, 5 3/4"; forged steel, with cutters. Shpg. wt. each, 1 lb. **Your Cost 33¢****

## KRAEUTER Pliers



None better made. You need these. Diagonal cutters, 5 1/2" long. Best cutting tool steel available.

**YP14944—Your Cost \$1.20**  
**YP14945—Your Cost 94¢**

## Marvel Soldering Iron



Nichrome wire element in a twin sleeve porcelain tube. Length over all, 10 1/4"; copper tip, 2 1/2" x 1/4" cord and plug, 40 watts at 110 volts; hard wood handle. Ideal for the travelling serviceman. **YP14873—Your Cost 28¢**

## Shockless Screw Driver



A popular priced insulated handle screw driver for electrical, house hold and automotive work. Handle and ferrule are molded in one piece of black composition. Blade, nickel plated and has straight stop point 6" long. Shpg. wt. 1 lb. **YP15060—Your Cost 12¢ Per Dozen \$1.20**

## 3-In-1 Screw Driver



Nesting type. Smallest nests in handle of next larger and the two together in the largest. Steel blade with brass handles. 4 1/2" long. Shpg. wt. 1 lb. **YP15220—Your Cost 12¢**

## Caliper Rule



Measures inside and outside diameters up to 3 inches, calibrated in 1/32" and 1/64" part of an inch. Has knurled locknut. Shpg. wt. 3 oz. **YP14891—Your Cost 12¢**

## Handy Scratcher Remover



For removing mars and scratches from furniture. Will last indefinitely. In durable container. **YP15520—Your Cost Ea. 23¢**

Tools by the score—in our big, general catalog No. 59. Send for it now—it's free to you.

## 10-Inch Jig Saw

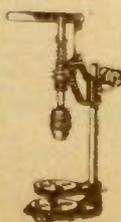


Here is a capital tool for sawing wood, celluloid, Bakelite, and other substances. A sturdy cast iron frame is braced and trussed to give maximum strength and to eliminate vibration. Grooved table is 8" in diameter; jig saw has a 10" throat. Takes a 5" plain-end saw blade. Saw guide is adjustable. Top spring is enclosed. 2-step V-belt pulley, also takes 1/2" V. belt. Recommended speed, 700 r.p.m. for average work. Will cut stock 1 1/2" thick or under. Shpg. wt. 6 lbs. Blades not furnished. **YP14979—Your Cost \$1.39**  
**YP14980—Six 5"-blades for above—Your Cost Per Set 18¢**

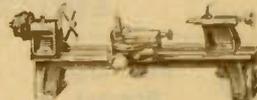
Whether it be a home work-shop or one that earns you a living, you need these tools. At these new low prices there is no longer any excuse for doing without them.

## Motor-Driven Drill Press

Here is the ideal, low-priced drill press for the small shop. It is a light-duty, precision type drill suitable for wet or dry drilling. Maximum distance from end of chuck to top of base, 7 1/2"; spindle travel, 1 1/2". Equipped with 1/2" drill chuck and 3 1/2" adjustable swinging table. Over all height, 20"; width, 3 1/2"; depth, 9". For 1/2" V-belt. Spindle speed depends on motor-speed with 800 r.p.m. recommended for average work. Shpg. wt. 6 lb. **YP15133—Less bits—Your Cost \$2.25**



## 5x12" Metal-Turning Lathe



Single casting 20" bed, overall 25" x 12" between centers, 5" swing. Compound rest, transverse feed 2 1/2", longitudinal feed 2 1/2", 4" face plate accurately turned and machined. 1 1/2" V-type 2-step cone pulley; takes standard A-type 1/2" V belts or 3/4" belt. Oilite bronze bearings; hollow spindle; takes all No. 0 Morse-taper accessories; screw-feed tail stock, carefully milled bottom fits ways perfectly. Tool post. No shop should be without this lathe. Shpg. wt. 20 lbs. **YP14740—No. 300 lathes—Your Cost \$6.75**

# HARDWARE for Every Purpose



### Nickled Brass Machine Screws

6-32 Round Head

Stock No.	Length	Doz.	Gross
YP14750	3c	30c	30c
YP14751	4c	38c	
YP14752	5c	<b>50c</b>	
YP14753	6c	65c	
YP14754	1 1/4		

8-32 Round Head

YP14755	4c	40c	
YP14756	5c	48c	

6-32 Flat Head Machine Screws

YP14760	3c	30c	
YP14761	4c	39c	
YP14762	5c	<b>50c</b>	
YP14763	5c		
YP14764	6c	60c	

### Hex Nuts, Knurled Nuts, Washers, Nickled Brass

YP14804—6-32x 1/4" Hex Nuts. Envelope of 20; Net Per 100 **5c**

YP14805—8-32x 1/4" Hex Nuts. Envelope of 20; Net Per 100 **5c**

YP14806—6-32x 3/8" Hex Nuts. Envelope of 15; Net Per 100 **5c**

YP14807—8-32x 3/8" Hex Nuts. Envelope of 15; Net Per 100 **5c**

YP14808—6-32x 3/8" Knurled Nuts. Envelope of 6; Net Per 100 **5c**

YP14809—No. 6 Washers. Envelope of 25; Net Per 100 **5c**

YP14810—No. 8 Washers. Envelope of 25; Net Per 100 **5c**

### Shakeproof Washers

YP14758—To pass No. 6 screw.

YP14759—To pass No. 8 screw.

Either Type Envelope of 25 **10c**

### Tinned Brass Lugs

All have No. 8 hole which will fit either No. 6 or 8 screws. Shpg. wt. 6 oz.

YP14812—Style No. 1 Your Cost Per 100 **18c**

YP14813—Style No. 2 Any Type

YP14814—Style No. 3 Any Type

YP14815—Style No. 4 1/4" long.

YP14818—Style No. 5 1/2" long.

### Assorted Hardware Kit

45c

2 lb. Kit

Assorted screws, nuts, washers, eyelets, lugs, brackets, angles, etc. 1 1/2 lbs. of small essentials.

YP14834—Shpg. wt. 5 lbs. **70c**

Your Cost

As above but contains 2 lbs. YP14844—Shpg. wt. 3 lbs. **45c**

Your Cost

### Metal Binding Posts

These binding posts are constructed of brass, nickel plated. Only the types listed below are available. Excellent for use on panels for quick connections. Quantities are limited.

A

YP13020—Type A. Bolt and nut mounting. Knurled screw top. Heavy duty type.

B

YP13021—Type B. Removable wood screw mounting. Can be mounted with a 10-32 bolt. **2c**

Your Cost Each **17c**

### Heavy-Duty Post

Large, dual connection, nickel plated post. With wood screw in base. Overall length, 2" YP13026 **3c**

Your Cost Each

The insulation on the items listed below is available in the following colors: red, black, blue, green, yellow, or purple. When ordering please specify the colors desired.

### Insulated Banana Plugs and Jacks

Insulated solderless and screw ends for solderless connections. Heavy brass nickel plated springs. Jacks have insulated caps and are provided with washer, soldering lug and nut. Fit 1/4" hole.

YP12915—Insulated Banana Plugs. **6c**

YP12916—Banana Jacks. Your Cost Each, Either Type **49c**

### Non-Removable Top Binding Post

Non-removable insulated top; nut mounting; fibre grommets permit mounting on metal without shorting; stud has hole; length 3/4" when closed.

YP13003—Red **9c**

YP13001—Black Your Cost Each

### NATIONAL S. G. Clip

Makes a positive grip on tube cap. YN14434 **3c**

Each

YN14565—For metal tubes **3c**

Your Cost Each

### New Miniature Tube Caps

For Metal Tubes

YP14983—Adapter to fit any regular control-grip clip for contacting new miniature tube caps. Your Cost—Type A **8c**

YP14984—Tinned brass grid clip for contacting miniature caps on metal tubes. Your Cost—Type B **1c**

Each

YP14985—Above with wire ferrule for making neat soldered connection—Type C **2c**

Your Cost Each

### Rubber Grommet Assortment

Kit "A" contains 12 assorted grommets in 4 sizes—3/16" to 1/2" YP14784 **9c**

Your Cost

Kit "B" contains 30 assorted grommets in 5 sizes—3/16" to 1/2" YP14795—Your Cost **24c**

### Insulated Grommets

For insulating holes in chassis, etc., for power line cords, grid leads, etc. Red or black. Specialty color.

YP14887—1/4" h. 3/8" d. **5c**

Your Cost

YP14888—3/16" h. 3/8" d. 3/8" l. **5c**

Your Cost

YP14889—1/4" h. 3/8" d. 3/8" l. **6c**

YP14890—3/8" h. 3/8" d. 3/8" l. Your Cost, Either Size

### Insulated Sr. Tip Plugs and Jacks

Plug is of the positive contact type, 1 1/4" long. Solderless, fits all standard tip jacks. Jack mounts in 1/4" hole. Tip nests all the way in. Cap lessens danger of shorting. New type springs provide sure grip.

YP12973—Senior plug. **5c**

Your Cost Each

Per dozen **35c**

YP12879—Tip jack. **4c**

Your Cost Each

Per dozen **42c**

### FAHNESTOCK Clips

YP14823—Single 3/8" **10c**

Your Cost Per Dozen

YP14824—Single 1" **12c**

Your Cost Per Dozen

YP14825—Twin 1 1/2" long. **25c**

Your Cost Per Dozen

YP14826—Twin 1 3/4" long. **26c**

Your Cost Per Dozen

### Screen Grid Clip With Lead

Has 6" green rubber covered lead.

YP15262 **10c**

Your Cost, per Doz

100 For **75c**

### Metal & Glass Tube Cap

Fits new metal or old glass tubes. With 11" lead and pin tip. In red or black.

YL11728 **11c**

Your Cost Each

### Screen-Grid Clip

Manufacturers type. Brass, tinned for easy soldering. Shpg. wt. 6 ozs. per dozen.

YP14827 **1c**

Your Cost Each

Per Dozen **8c**

Per Gross **75c**

### Banana Jacks & Plugs

Jack brass, nickel plated, 1" long. Plug tinned spring brass, 1 1/4" YM12923—Jack. **4c**

YM12919—Plug. Your Cost Each **38c**

Per Dozen

### Flush Type Tip Jacks

Heavy contact spring. Will take both plain and solderless tips. Mount in 1/4" holes. Nickel plated.

YM12948 **3c**

Your Cost

### Lug Terminal Strip

For mounting resistors, condensers, etc.

Lugs Tinned, Bakelite Strip

Stock No.	Lugs	Your Cost Each	10 For
YM13133	2	\$0.03	\$0.22
YM13134	3	.03	.25
YM13135	4	.05	.40
YM13137	6	.05	.45

### Tip Jacks

For test equipment. Nickel plated. Powerful bronze spring. 1/4" mtg. hole.

YM12918 **3c**

Your Cost Each

Per Dozen **29c**

### Senior Tip Plug

All metal tip plug for tip jack use. Solderless connection. YM12943—Per Doz. **29c**

Your Cost Each **3c**

### Junior Tip Plug

As above, but only 1" long.

YM12944—Per Doz. **29c**

Your Cost Each **3c**

### Solder Tip

Nickel plated brass. YP14851—Your Cost, Per Dozen **4c**

Per 100 **32c**

### Midget Short Jacks

Bakelite insulation. 3/16" mtg. hole. YF6548—Closed Circuit. **14c**

YP6549—Open Circuit. Your Cost, Either Type

### Alligator Test Clips

Head of clip is long thin design. Round barrel and made to fit plug-in prongs. Has firm spring grip. Size 1/4" wide, 2" long.

YM12955—Per Doz. **40c**

Your Cost Each **4c**

YM12956—Same style as above but 2 3/4" long, 3/16" wide. **5c**

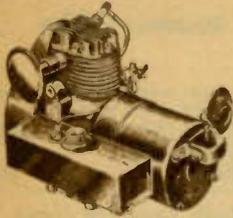
Your Cost Each

Per Dozen **50.55**

Mail your Orders to NEW YORK, CHICAGO or ATLANTA

# BATTERIES & BATTERY CHARGERS

## New PIONEER Gas Driven Generators

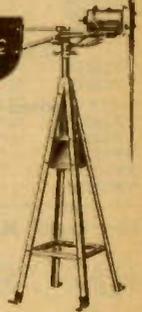


These new power plants are designed to supply electric power in localities not already covered by power companies, or in case of emergencies where local power fails. Ideal for use in charging radio, automobile, and tractor batteries, and to provide power for lights on boats, farms, camps, and to operate electric tools. An auxiliary pulley is furnished which may be used to drive machinery by means of a "V" belt. The engine is "L" head, vertical, air cooled type, four cycle, single cylinder. Rated at 3/4 h.p. at 3600 r.p.m. Fly ball type governor. High tension flywheel type magneto. Suction feed carburetor. Generator is self-excited, two pole. Armature mounted directly on crankshaft. A push-button, on end of generator, is used to start the engine; in the event of a dead battery, a rope pull starter is provided. Complete plant is extremely light and portable, weighing only approximately 50 lbs., and measuring 11" high, 10" wide and 17" long. All come complete with ammeter, cut-out relay, leads and battery clips, and are filled with gas and oil. Fuel consumption at 150 watts is one gallon in 15 hours; 2 ounces of oil in 10 hours. Shpg. wt. 70 lbs.

**YS17230**—For charging 6 volt batteries. 150 watts. **\$39.95**  
**Your Cost Each** .....  
**YS17231**—For charging 12 volt batteries. 150 watts ..... **\$43.60**  
**YS17232**—For charging 32 volt batteries. 250 watts ..... **\$48.90**  
**YS17233**—For 32 volt lights. 250 watts ..... **\$48.90**  
**YS17234**—For 110 volt lights. 250 watts ..... **\$48.90**

## SENTINEL Gyromatic Wind Charger

This wind driven charging device incorporates many exclusive features that make it ideal for use in charging 6 volt batteries for radios, farm lighting systems, or wherever electric power is not otherwise available. It costs absolutely nothing to operate. The specially-designed "roto-grip" generator is mounted on a pivoted tilting frame which acts like a gyroscope in that it cuts down the fan blade speed and consequent charging rate when wind velocity becomes too great. Thus, overcharging is prevented. The unit operates in any wind from 6 miles an hour up. The carefully balanced propeller, designed for easy starting in low winds, has its leading edges sheathed in aluminum as protection against damage by sleet, hail, etc. When unit is not being used, it can be tilted back in a neutral or "cut-off" position. The tail vane keeps the generator head into the wind. **Generator charges up to 12 amperes.** A sturdy angle steel tower, furnished with the unit, mounts the charger 5 feet above the base. Ammeter cut-out, battery clips and full instructions furnished. Shipped knocked down. Shpg. wt. 65 lbs.



**YS17224**—Complete with tower. **\$17.45**  
**Your Cost** .....  
 Resistor for charging 2 volt radio batteries. **YE5291**  
**Your Cost** ..... **55c**



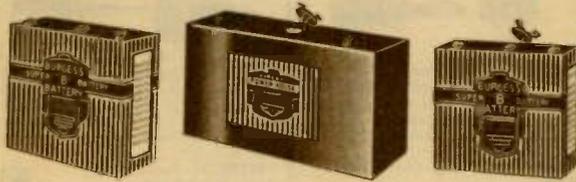
## Tungar 5 Ampere Charger



For charging any 6 volt storage battery at home. Delivers full 5 ampere rate and tapers off as the battery becomes charged, thus preventing overcharging. Battery cannot discharge through charger because of power failure. No switches to regulate—no moving parts to wear out. Comes complete with receptacle for attaching to car and ammeter so that battery can be instantly connected and disconnected. Complete with tube and full instructions. Shpg. wt. 12 lbs.

**YP15699** **\$9.48**  
**Your Cost** .....

## BURGESS A-B and C BATTERIES



The uniform quality of Burgess batteries insures equal current drain and low internal resistance. All are exceptionally long lived. Several types, as shown below, are available with plug-in connectors in addition to the standard spring clips. Fresh stock always on hand.

Stock No.	Clip Type	Plug-in Type	Burg. No.	Volts	Size, Inches L W D	Shpg. Wt. Ea.	Unit Pkg. Quan.	Your Cost Each	Carton Lots Each
<b>SUPER "B" BATTERIES</b>									
YY19850	YY19822		21308	45	4 1/2 8 3/4 7 3/8	16	6	\$2.17	\$1.97
YY19851	YY19823		22308	45	3 3/4 7 3/8 7 1/8	10 1/2	6	1.44	1.31
<b>STANDARD "B" BATTERIES</b>									
YY19859	YY19824		10308	45	4 1/2 8 7 14	6	1.66	1.51	
YY19860	YY19825		2308	45	3 1/2 8 1/2 7	11	6	1.30	1.18
YY19861			5308	45	2 1/2 4 1/2 5 1/2	11	5	1.10	1.00
YY19862	YY19826		5156	22 1/2	2 1/2 2 1/2 2 1/2	5	10	.63	.57
YY19863			4156	22 1/2	2 3/4 2 1/2 2	2	10	.55	.50
YY19878			2156	22 1/2	4 6 3	5	5	1.11	1.01

<b>MIDGET AND PORTABLE "B" BATTERIES</b>									
YY19856		A30BP	45	4 1/2	4 3/4 2 1/2	4	1	1.10	
YY19865		Z30P	45	4 1/2	3 1/2 1 1/2	2	1	1.15	
YY19854		X30FL	45	4 1/2	3 1/2 1 1/2	1	1	2.19	

<b>STANDARD "C" BATTERIES</b>									
YY19866			5360	4 1/2	2 1/2 1 1/2 2 1/2	1	10	.30	.27
YY19867	YY19827		2370	4 1/2	1 3/4 4 3	2	10	.30	.27
YY19868			5540	7 1/2	7 1/4 4 2 1/2	3 1/2	10	.48	.44
YY19852			532	4 1/2	2 1/2 2 1/2 1 1/2	4	1	.30	.27

<b>3 VOLT "A" PACK</b>									
YY19872	YY19828		20F2	3	1 1/4 4 6 1/2	15	4	2.21	
YY19853*			T2FL	3	3 1/2 2 1/2 1 1/2	1	3	.35	.32

\* Portable battery.

### Flashlight Batteries

**YV18200**—No. 1 small size  
**YV18201**—No. 2 large  
**Your Cost Each** ..... **6 1/2c**  
**10 for** ..... **60c**

### Mike Battery

No. 44. Thumb screw terminals. 4" high, 2 3/4" diam. For mikes and portable units.  
**XY19869**  
**Your Cost Each** ..... **24c**

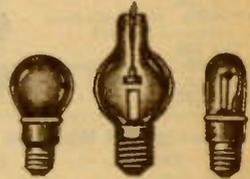
### BURGESS "Little Six"

Compact ignition and "A". Replaces obsolete 6A.  
**YY19847**—Radio "A", 4FA. Shpg. wt. 2 lbs.  
**Your Cost** ..... **30c**  
 Lots of 50—Each 27c  
**YY19858**—Ignition type. 4FH, 1 1/2 V.  
**Your Cost Each** ..... **25c**  
 Lots of 20—Each ..... **23c**

## Windcharger Wire

Specially designed for windcharger use. Solid copper core with three-weatherproof braids.  
**YY20872**—No. 10 Gauge **3c**  
**Your Cost, per foot** .....  
**YY20873**—No. 8 Gauge **5c**  
**Your Cost, per foot** .....

## Tungar Type Bulbs



Guaranteed perfect. Individually tested and packed. Shpg. wt. 1 lb.

Stock No.	Amperes	Your Cost
YY21905	0.6	\$1.68
YY21906	2.0 (with tip)	1.80
YY21907	2.0 (no tip)	1.80
YY21908	6.0	4.45

## EVEREADY "Air Cell"



For use with 2 volt battery sets. Costs little to operate. Useful life of approximately 1000 hours. In leak proof case 10"x10"x6 1/2". For sets drawing up to 660 m.a. Shpg. wt. 10 lbs.  
**YY19973—A-600** **\$4.09**  
**Your Cost** .....

Same as above, heavy duty type. Delivers up to 750 m.a. Shpg. wt. 15 lbs. No. SA-850.  
**YY19974** **\$5.15**  
**Your Cost** .....

## Battery Clips



Stock No.	L'gth.	Your Cost Each	For
YQ16060	1 1/2"	3c	25c
YQ16061	2"	3c	28c
YQ16062	2 1/2"	5c	47c
YQ16063	3 1/2"	10c	80c

## VESTA Storage Batteries



A line of well made, long lived storage batteries. All feature thick plates, well made spacers, leak proof molded rubber containers, correct electrical design. Available in 2 volt and 6 volt types. 2 volt type has rubber nut and bolt terminals; 6 volt types (illustrated) have radio terminals and are supplied with bail handle. All carry standard guarantee.

**6 Volt Batteries**

Stock No.	Plates	Amp. Hrs. Wt.	Shpg. Hrs.	Your Cost
YY21099	13	72	35	\$4.35
YY21098	15	84	42	5.25
YY21097	17	96	50	6.25

**2 Volt Battery**

No external resistor necessary. Delivers 300 hours of operation at a 1/2 ampere drain. Shpg. wt. 30 lbs.  
**YY21096**—Your Cost ..... **\$3.53**

Refer to pages 170 and 171 in catalog 59 for further listing of batteries, battery chargers and accessories.

**Glass-Enclosed Crystal Detector**



Dust-proof. An easily adjusted crystal unit equipped with a super-sensitive mineral and a cats whisker of unique design that will maintain most efficient contact with a sensitive point.

**YN13916—Your Cost 22¢**

**Mounted Galena Crystal**

Galena (lead sulphide) has been used for years because of its extreme sensitivity. These units have been selected and tested.



**YN13900—Your Cost 5¢**

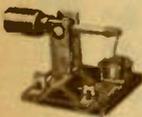
**Super-Sensitive Crystal Meter Tested**



Gets more stations and gets them louder. Each crystal is meter-tested after selection on actual reception. Galena.

**YN13901—Your Cost 12¢**

**Crystal Detector Stand**



Ball and socket swivel arm for contacting any point on crystal. Attractively mounted. Furnished with crystal. Extra-sensitive; tested.

**YN13917—Your Cost 12¢**

**Fixed Crystal**

Supersensitive point found by meters and fixed permanently. In Bakelite case, screw connections.



**YN13913—Your Cost 43¢**

**Double Phone Plug**



Will take one or two, phone or speaker cords or a combination of both. Colored Amerloy cap. Red, Blue, Green, Black. Metal nickeled. Has tie loop.

**YP14886 Specify color. Your Cost Each 19¢**

**Phone and Speaker Cords**



Five-foot double cord. Spade tips one end; straight tips other. Cotton braid cover.

**YN13955—List \$0.55 Your Cost Each 19¢**

As above. Straight tips both ends. **YN13956 Your Cost Each 19¢**

Five-foot single cord with straight tips both ends. **YN13957—List \$0.35 Your Cost Each 13¢**

**Ear Phone Cushions**



Made of soft rubber to protect ears from pressure of headphones.

**YN13940—Your Cost, Per Pair 22¢**

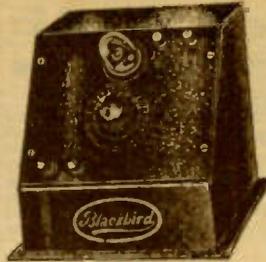
**NOTE**

Our general catalog, No. 59, has 196 pages devoted entirely to the radio needs of the amateur, experimenter, P.A. specialist and serviceman. In it you will find complete listings of phones, accessories and keys. Send for it—it's free.

**RADIO SETS for the beginner**

**Philmore Crystal Receivers The "Blackbird"**

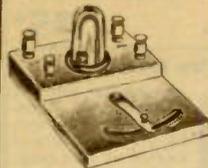
Here is a real receiver. Housed in a crystalline finished metal cabinet, it uses a supersensitive crystal under a dust-proof glass cover. Operates without tubes and batteries. Needs only a headset and an aerial to make up a complete receiving outfit. Covers 200 to 550 meters. Has 4 binding posts for phones, aerial and ground. Using a fair sized aerial you'll be surprised at the number of stations it will bring in with volume. Shpg. wt. 5 lbs.



**YN13887—Your Cost \$1.62**

**The "Supertone"**

This crystal receiver has a dust-proof glass-covered, adjustable supersensitive crystal, and tunes from 200 to 550 meters. Reception is loud and clear without distortion of any kind. Just connect an aerial and ground and phones. Uses no tubes or batteries. Shpg. wt. 2 lbs.



**YN13888—Your Cost 69¢**

**The "Selective"**

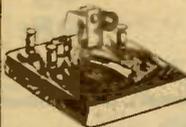
A crystal receiver designed to give the utmost volume and selectivity. The circuit incorporates a tapped coil and a variable tuning condenser. A real tuned receiver! A supersensitive crystal mounted under a glass cover brings in numerous stations loud and clear. All housed in a handsome metal cabinet. Shpg. wt. 5 lbs.



**YN13886—Your Cost \$2.35**

**The "Little Wonder"**

Uses a supersensitive crystal. 200 to 550 meters, entire broadcast band. All you need for this set are phones and an aerial. No tubes, batteries or power. Shpg. wt. 1 lb.



**YN13889—Your Cost 52¢**

**Crystal Aerial Kit**



Put up especially for crystal receivers, midget sets and small vacuum-tube receivers. Just the thing for the beginner and the junior radio experimenter. It is the lowest priced antenna kit made up of first quality parts. Contains: 90 ft. 7/27 copper wire, 25 ft. rubber-covered lead-in, a lead-in strip, a ground clamp, 2 nail knobs and 2 porcelain insulators. Shpg. wt. 4 lbs.

**YQ16478—Your Cost 38¢**

**I.C.A. LO-LOSS Crystal Set**



Adjustable crystal mounted on lo-loss ceramic. Adjustable slider tuning coil. Tunes from 200 to 550 meters. Extremely sensitive. Merely connect headphones and aerial, and tune in. Shpg. wt. 1 lb.

**YL12637—Your Cost 58¢**

**I.C.A. Crystal Detector**

Same ceramic-mounted extra-sensitive crystal as used above. Has posts for phones and aerial.

**YL12638—Your Cost 30¢**

**Cat Whiskers**

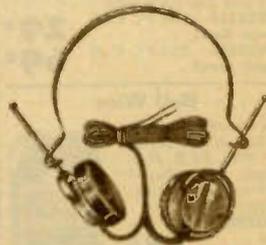
Finest wire—correct tension—holds that sensitive spot. **YN13921—Envelope of 3. Your Cost 8¢**



**HEADPHONES**

**"EMPIRE" DX Type Headphones**

Made especially for DX fans. Have featherweight aluminum shells and a one piece adjustable headband. Each unit has a powerful bi-polar magnet and Bakelite cap. Shpg. wt. 2 lbs. per set.



**2000-Ohm Set YN13892—Your Cost 95¢**  
**3000-ohm YN13893—Your Cost \$1.20**

**Extra Cap For Above**

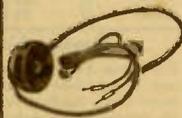
**YN13894—Your Cost 12¢**

**Extra Diaphragm For Above**

**YN13895—Your Cost 5¢**

**Single Unit Headsets**

Similar to above, but one phone. Clock-steel band permanently attached, 4 1/2 ft. cord.



**YN13896—1000-ohm set Your Cost 65¢**  
**YN13897—1500-ohm set Your Cost 78¢**

**Genuine BRANDES Phones**

For many years a stand-by in the radio field. Full size yet unusually light and comfortable. Polished aluminum shells, Bakelite earcups. D.C. resistance, 2000 ohms. Adjustable, web-covered flexible steel headband. Complete with polarized cord. Shpg. wt. 2 lbs.



**YN13925—Complete headset Your Cost \$1.49**  
**YN13936—Extra Bakelite cap. Your Cost Each 18¢**  
**YN13937—Extra diaphragm. Your Cost Each 5¢**  
**YN13938—Extra headband. Your Cost Each 30¢**

**SPEED X**

**Amateur's Key No. 301**



A general purpose key of sturdy design for the amateur. Molded Bakelite base; pigtail connections eliminate insulation problems; no current on bearings; coin silver contacts; arm and posts chromium plated. Shpg. wt. 2 lbs.

**YN14040—Your Cost \$1.12**

**Practice Key No. 300**



An inexpensive but high quality key, carefully adjusted so as to have the same feel and smoothness as the higher-priced models. Black base. All other parts chrome finished. Shpg. wt. 2 lbs.

**YN14041—Your Cost 80¢**

**Hi-Frequency Buzzer**

Constant-frequency buzzer for practice or modulation work. Uses 2 dry cells or "C" battery. 2 ohms resistance. Has Bakelite molded top and base. Holds adjustment under all conditions.



**YN14021—Your Cost 64¢**

**Mail Your Orders to NEW YORK, CHICAGO or ATLANTA**

# WIRE

## Push Back WIRE

### Solid Copper Core Type

This popular type of push-back wire has a solid copper core. No stripping is necessary. All coils in one continuous length, packed in boxes. Four standard colors in all lengths. Shpg. wt. 2 lbs. per 100 ft.



### Stranded Tinned Copper Core

A very flexible push-back wire with a multi-strand tinned copper wire core. Braid pushed back easily. All coils in one continuous length, packed in boxes. Four standard colors in all sizes. Shpg. wt. 2 lbs. per 100 ft.

### Service Wire Kit



Contains practically every type of wire useful for radio service. Contents total approximately 200 feet in lengths varying from 4" to 24". Various wires are push-back R.C. hookup, shielded, twisted and parallel lamp cord, heavy A.C. leads, spaghetti, etc. Shpg. wt. 5 lbs.

**YR16299** Your Cost **25¢**

### Colored Rubber Wire

Stranded and tinned copper wire covered with a live colored rubber compound. Very flexible; easy to strip. Solders instantly. Available in three standard colors.



**25 Foot Coils**  
**YQ16272**—Red Your Cost  
**YQ16273**—Black **12¢**  
**YQ16274**—Green

**1000 Foot Spools**  
**YQ16108**—Red Your Cost  
**YQ16109**—Black **\$3.90**  
**YQ16110**—Green

**25 Foot Coils**  
**YR16350** Red **YR16352** Black  
**YR16351** Green **YR16353** Yellow  
 Your Cost, **10¢**  
 Per Coil

**50 Foot Coils**  
**YR16358** Red **YR16360** Black  
**YR16359** Green **YR16361** Yellow  
 Your Cost, **18¢**  
 Per Coil

**100 Foot Coils**  
**YR16366** Red **YR16368** Black  
**YR16367** Green **YR16369** Yellow  
 Your Cost, **33¢**  
 Per Spool

**1000 Foot Spool**  
**YR16374** Red **YR16376** Black  
**YR16375** Green **YR16377** Yellow  
 Your Cost, **\$3.05**  
 Per Spool

**25 Foot Coils**  
**YR16354** Red **YR16356** Black  
**YR16355** Green **YR16357** Yellow  
 Your Cost, **11¢**  
 Per Coil

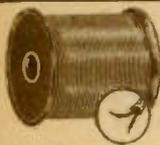
**50 Foot Coils**  
**YR16362** Red **YR16364** Black  
**YR16363** Green **YR16365** Yellow  
 Your Cost, **21¢**  
 Per Coil

**100 Foot Coils**  
**YR16370** Red **YR16372** Black  
**YR16371** Green **YR16373** Yellow  
 Your Cost, **40¢**  
 Per Spool

**1000 Foot Spool**  
**YR16378** Red **YR16380** Black  
**YR16379** Green **YR16381** Yellow  
 Your Cost, **\$3.30**  
 Per Spool

### No. 14 Solid Copper Push-Back Wire

Designed for heavy-duty work in power amplifiers, transmitters, etc. Consists of a No. 14 tinned solid copper conductor with a cotton wrapper having a heavy lacquer insulating material; has a final layer of impregnated cotton braid. High breakdown voltage. In red, green, black, yellow. Specify color  
**YQ16339**—25 ft. coil Your Cost **25¢**  
**YQ16346**—100 ft. coil Your Cost **92¢**



### Parallel Silk Lamp Cord

A popular type of wire used for connecting radio receivers, lamps, etc. Approved by Underwriters Labs. Consists of two 18 gauge stranded conductors, each with a 1/8" rubber insulating wall and with overall covering of tightly woven silk. Three colors.

**YY20897** Black **YY20899** Brown  
**YY20898**—Old Gold **1¢**  
 Your Cost, per foot  
 100 Ft. **90¢** 500 Ft. **\$4.25**

### All Rubber Parallel Lamp Cord

Developed to meet the demand for an abrasion and water-proof wire. The two conductors are sheathed in a coating of extremely tough live rubber. A ridge between these conductors allows them to be easily separated without fear of ruining the insulation. In Black, Green, Ivory and Brown. Specify color desired. Shpg. wt., per 100 ft., 3 lbs. Approved by Underwriters.

**18 Gauge**  
**YY20920**—Your Cost  
 Per Ft. **100 Ft. 500 Ft.**  
**1¢c \$1.15 \$5.45**

### Cotton Twisted Pair

18 Gauge 1/8" R.C. wire with a woven cotton covering. Two colors—white or yellow and green mixture. Specify which  
**YY20902**—Your Cost  
 Per Ft. **100 Ft. 250 Ft.**  
**1c \$0.95 \$1.66**

### Hook-Up Wire



Rubber insulated with heavy lacquered braid overall which prevents the wire from fraying as easily as ordinary wire. Put up in 100 and 250 foot coils.

**YR16344**—100 Ft. Coil Your Cost **29¢**  
**YR16345**—250 Ft. Coil Your Cost **69¢**

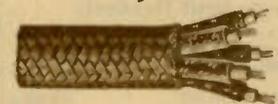
### Bell Wire

An excellent grade of bell or annunciator wire. 18 B. & S. gauge with waxed cotton covering. Shpg. wt. 1 lb. roll.



**YQ16338**—1/2 lb. roll Your Cost **13¢**  
**YQ16051**—25 ft. roll Your Cost **5¢**

### Battery Cable

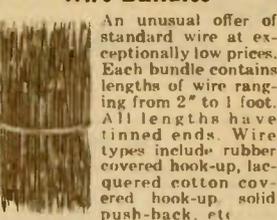


Each lead a different color.  
 Stock No. Wires Per Ft. 100 Ft. Price  
**YQ16089** 3 2c \$1.95  
**YQ16090** 4 2 1/2c 2.45  
**YQ16091** 5 3 1/2c 3.10  
**YQ16092** 6 4 1/2c 3.75  
**YQ16093** 7 5c 3.95  
**YQ16094** 8 5 1/2c 4.95  
**YQ16095** 9 6c 5.50  
**YQ16096** 10 6c 5.50

### Wire Stripper

Strips insulation from wire easily and cleanly. Saves time. Cutting edge of tempered steel that will retain its hardness.  
**YP15044** Each **9¢**

### Wire Bundles



An unusual offer of standard wire at exceptionally low prices. Each bundle contains lengths of wire ranging from 2' to 1 foot. All lengths have tinned ends. Wire types include: rubber covered hook-up, lacquered cotton covered hook-up, solid push-back, etc.  
**YR16049** 1 lb. Bundle Your Cost **25¢**  
**YR16048** 2 lb. Bundle Your Cost **45¢**  
**YR16047** 3 lb. Bundle Your Cost **65¢**  
**YR16046** 5 lb. Bundle Your Cost **98¢**

### Spaghetti

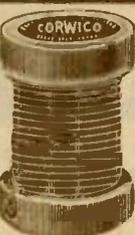
The best quality. High grade cambric tubing impregnated with transparent varnish of great insulating properties. Colors: red, yellow, green, or black. Specify color wanted. 3' lengths.

**YQ15963** Per Length **6¢**  
**10 Lengths** **54¢**  
 Shpg. wt. 6 oz.

### Bus Bar

Round, Tinned Copper, 2 ft. Lgths.  
**SIZE 14**  
**YQ15965**—10 Lgths. 100 Lgths. Your Cost **12¢ \$1.05**  
**SIZE 12**  
**YQ15966**—10 Lgths. 100 Lgths. Your Cost **26¢ \$2.05**

## Magnet WIRE



Stocked in 1/2 and 1/4 pound spools. Finest grade obtainable. All continuous lengths standard B & S gauge. Ideal for winding R.F. coils, chokes, armatures, transformers, etc. On wood spools.

### Double Silk

Stock No.	Size B&S	Ft. Per Lb.	Your Cost 1/4 Lb.	Your Cost 1/2 Lb.
YX20962	18	199	\$0.23	\$0.45
YX20963	20	314	.26	.47
YX20964	22	494	.28	.53
YX20965	24	778	.33	.62
YX20966	26	1220	.39	.72
YX20967	28	1910	.46	.81
YX20968	30	2960	.53	.97
YX20969	32	4570	.70	1.26
YX20970	34	6980	.90	1.74
YX20971	36	10500	1.23	2.15

### Double Cotton

Stock No.	Size B&S	Ft. Per Lb.	Your Cost 1/4 Lb.	Your Cost 1/2 Lb.
YX20973	18	122	\$0.18	\$0.23
YX20974	18	192	.20	.26
YX20975	20	298	.22	.29
YX20976	22	464	.24	.30
YX20977	24	711	.26	.37
YX20978	26	1080	.31	.48
YX20979	28	1630	.36	.57
YX20980	30	2420	.42	.73
YX20981	32	3500	.50	.90
YX20982	34	4920	.62	1.14
YX20983	36	6660	.79	1.40

### Handy Sized Spools



For those desiring less than 1/2 lb. of magnet wire, these handy low priced spools have been made available. All are wound on spools and marked. Number of feet on spool shown below.



Gau.	Double Cotton		Double Silk		Enameled	
	Stock No.	Ft. In Spool	Stock No.	Ft. In Spool	Stock No.	Ft. In Spool
14	YR16500	21	YX16514	19	YR16528	25
16	YR16501	33	YX16515	25	YR16529	40
18	YR16502	42	YX16516	31	YR16530	48
20	YR16503	60	YX16517	42	YR16531	80
22	YR16504	81	YX16518	60	YR16532	135
24	YR16505	110	YX16519	83	YR16533	200
26	YR16506	148	YX16520	101	YR16534	292
28	YR16507	168	YX16521	119	YR16535	420
30	YR16508	192	YX16522	141	YR16536	590
32	YR16509	216	YX16523	163	YR16537	805
34	YR16510	242	YX16524	190	YR16538	1150
36	YR16511	266	YX16525	219	YR16539	1560
38	YR16512	294	YX16526	243	YR16540	1980
40	YR16513	325	YX16527	275	YR16541	2430

Your Cost Each, Any Spool

**15¢**

# Aerial Kits & Accessories

## RCA RK-40 "Single Doublet" Kit



Designed to meet demands for an easily installed and low-priced all-wave antenna. Has a band coverage from 140 to 18000 kc., (17-2150 meters), and is highly efficient on all bands within this range. The system is factory assembled and soldered; merely tie to convenient supports, and antenna is up. Consists of a special doublet 19 ft. and 49 ft., junction box, 75 ft. transmission line, en-

accessories. In carton with instructions. Shpg. wt. 4 lbs.  
**YR17086** RK-40 kit. List \$5.50  
**Your Cost**

**\$3.30**

## TACO All-Wave Master System

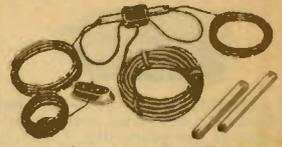
Easily installed by any serviceman, extremely low-priced, highly efficient on all waves and serves simultaneously up to 25 receivers! Foundation kit contains a 60-22 ft. doublet, 35 ft. transmission cable, a transfer unit and insulators. Receiver couplers made for external wiring (as shown) or for conduit box. A real money maker for servicemen and contractors. With complete instructions.

**YR17006** Foundation kit. Shpg. wt. 6 lbs.  
**Your Cost**

### Receiver Couplers

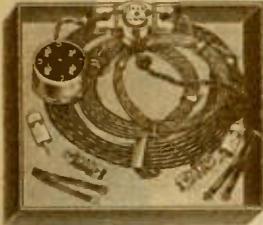
**YR17007** For exposed wiring. **Your Cost Each**  
**YR17008** For conduit wiring. **Your Cost Each**

**\$3.53**



\$1.47  
1.47

## NEW! BIRNBACH All-Wave "Ready" Kit



Newly perfected all-wave aerial completely wired and soldered at factory. Uses new patented antenna transformer built into ceramic doublet housing, fool-proof—weather-proof. Kit contains: antenna transformer, receiver all-wave coupler, 50 and 20 ft. aerial rolls, 50 ft. transposed cable, and accessories. Instructions. Shpg. wt. 5 lbs.

**YQ16471**—  
**Your Cost**

**\$2.49**

## LYNCH HI-FI All-Wave Antennas



Completely assembled antennas ready for quick and easy installation. Available in Standard and Junior types. Standard has 50 ft. Giant Killer cable; Junior has 50 ft. high-grade twisted pair. Other parts found in both kits are: one LYNCH HI-FI coupling system, 41 ft. doublet 7 22 copper wire, 2 commercial type insulators, one 3" screw eye, 2 "nail-it" knobs, one 4" porcelain lead-in tube.

**YR17017** Junior kit.  
 Shpg. wt. 4 lbs.  
**Your Cost**

**\$3.97**

**YR17018** Standard kit.  
 Shpg. wt. 5 lbs.

**\$5.00**

**Your Cost**

## Lafayette All-Wave Antenna Kit

Contains 2-40 ft. rolls heavy enameled wire, 50 ft. transmission line, a receiver matching transformer, aerial spreader, 2 insulators, 6" porcelain screw eye, 2 nail-it knobs, 2 lead-in strips, ground clamp and instructions. Highly efficient for all-wave sets.

**YQ16474**—Lafayette All-Wave Kit. Shpg. wt. 5 lbs.  
**Your Cost**

**\$1.35**



## Best Grade Lead-In Wire



A heavier and better grade of lead-in wire. No. 14 solid tinned copper. Heavy rubber insulation with weatherproof outer-braid.

**YQ16203** 25 ft. 50 ft. 100 ft.  
 Single Lots 24c 45c 78c  
 Lots of 10 Ea. 23c 43c 75c  
 Lots of 25 Ea. 22c 40c 70c  
 Shpg. wt. lbs. 1/2 1 2



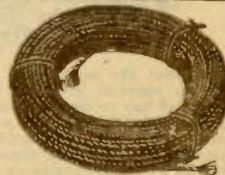
## No. 18 Copper Lead-In Wire

Solid, tinned. Heavy rubber insulation.

<b>YQ16200</b> —	25 Ft.	50 Ft.	100 Ft.
Single Lots	10c	18c	33c
Lots of 10 Each.	9c	17c	31c
Shpg. wt. lbs.			2

## Antenna Wire

Our aerial wire is made of the finest copper obtainable. All rolls are guaranteed to be full-length and standard gauge as specified; and, despite the increased basic cost of copper, our sales policy is maintained these are the very lowest prices.



## Bare Copper Wire

**7 27 STRANDED**  
**YQ16112**—100 Foot Coils

Single	Lots of	Lots of
Lots Each	10 Each	25 Each
14c	13c	12c

**YQ16040**—75 Foot Coils

11c	10c	9 1/2c
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**Enameled Copper Wire**  
**7 24 STRANDED**  
**YQ16116**—100 Foot Coils

Single	Lots of	Lots of
Lots Each	10 Each	25 Each
32c	31c	29c

**YQ16044**—75 Foot Coils

24c	23c	22c
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**7 22 STRANDED**  
**YQ16117**—100 Foot Coils

Single	Lots of	Lots of
Lots Each	10 Each	25 Each
39c	37c	36c

**YQ16045**—75 Foot Coils

31c	29c	28c
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**No. 14 SOLID**  
**YQ16118**—100 Foot Coils

Single	Lots of	Lots of
Lots Each	10 Each	25 Each
31c	30c	29c

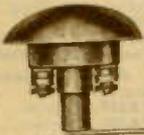
**No. 12 SOLID**  
**YQ16119**—100 Foot Coils

Single	Lots of	Lots of
Lots Each	10 Each	25 Each
45c	44c	43c

**No. 10 SOLID ENAMELED**  
**YQ16129**  
 Per Ft. 1c Per (100 Ft.) 75c

## S-H Air-Gap Arrester

All Bakelite. Outdoor, storm proof type. Air gap can not ground aerial or leak to ground. Is listed as standard by Underwriters.



**YR16756**—  
**Your Cost Each**

**15c**

## Lightning Arrester



**Only**  
**5c**  
**Each**

Dealers especially will appreciate this item. A thoroughly reliable protector that can be retailed at a low figure without sacrificing the margin of profit. Porcelain body. Shpg. wt. per doz. 3 1/2 lbs.  
**YR16753**—Your Cost Ea. **5c**

### Note

Our 196-page general catalog No. 59 lists everything you could possibly need in aerial kits, accessories, filters, etc. Send for it now—it's free.

## LYNCH Filterradio



A new highly-developed line filter for the suppression of line noises. When used with a modern antenna system makes for noise-free reception. Used with any type of receiver, a.c. or d.c. Maximum voltage 250; current 10 amps. Shpg. wt. 4 lbs.

**YL12675**—  
**Your Cost**

**\$2.94**

## Transmission Cable



Especially designed for use with doublet antenna systems. Consists of two rubber covered conductors covered by a weather-proof cotton outer braid. Shpg. wt. (100 ft.), 4 lbs.

**YR17152**—100 ft. coil.  
**Your Cost**

**77c**

**YR17184**—500 ft. coil.  
**Your Cost**

**\$3.45**

## Glass Insulators

Special tempered glass, unaffected by heat or cold or other climatic conditions.



**YR16850**—3" long.  
**Your Cost Each**

**3c**

Lots of 100

**YR16851**—Length 4".  
**Your Cost Each**

**4c**

Lots of 100

**YR16852**—Length 5".  
**Your Cost Each**

**8c**

Lots of 100, Each

**7c**

## Brown Porcelain

Strain insulator made of heavy porcelain. 2 1/2" long, 1/2" hole.



**YR16802**  
**Your Cost Each**

**2c**

Per 100 **\$1.75**

## Our Special Ground Clamp

A very special value. Makes a vise grip on pipe. Has sharp pointed screw that penetrates surfacing and makes perfect contact. Has screw for lead.

**YR17105**  
**Your Cost Each**

**3c**

10 for 24c 100 for \$2.25

See Catalog No. 59 For Further Listings—WRITE FOR FREE COPY



# BARGAINS!

QUANTITY LIMITED



## TOBE Line Filter



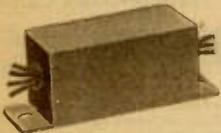
A compact, easy to use device that effectively eliminates noises originating in the power line. Capacity type, requires no ground connection. Plugs into any 110 volt outlet, and has receptacle for receiver plug. Can be used with any radio receiver (110 volts), either a.c. or d.c. Instant installation. **59¢**  
**YL1267**  
**Your Cost**

## PHILMORE Aerial Eliminator



Does away with the need for an outdoor aerial. Efficient in action; brings in signals with undiminished strength and without interference. Easy to install; just plug into the power line and connect aerial and ground wires to the marked binding post terminals. **33¢**  
**YR1708!**  
**Your Cost**

## Six Section Electrolytic Filter Block



A complete electrolytic filter and by-pass block. Contains six sections with the following capacities: three 4 mfd., 140 volt sections; one 4 mfd., 220 volt section; one 4 mfd., 180 volt section; one 15 mfd., 20 volt section. In cardboard box 3 3/4 x 2 1/4 x 1 1/4"; mtg. centers 4". Shpg. wt. 1 lb. **25¢**  
**YD3368—Your Cost**

## ATR Inverters



A simple, efficient device for changing 6, 32 or 110 volts d.c. to 110 volt, 50-60 cycles a.c. No rotating parts, no oiling or greasing necessary. Only moving element is the plug-in type synchronous vibrator. Fused for overload protection. Has four point voltage regulator control. On-off switch on panel. Housed in attractive brown crackle finish metal cases approximately 7 3/4 x 8 x 3 3/4". Shpg. wt. 18 lbs.

Stock No.	D.C. Input	Watts Out	Your Cost
YS17217	6	50	<b>\$10.88</b>
YS17218	32	100	
YS17216	110	200	

**YS17235**—Radio filter for 6 volt model.  
**YS17236**—Radio filter for 32 and 110 volt model.  
**Your Cost, Either Type** **\$3.50**



## ★ Quantity Limited ★ Special Radio Tubes At New Low Prices! (Licensed by RCA)

All brand new, packed in factory cartons. All guaranteed for 90 days—burnouts and broken glass excepted. All popular types.

Type	Each	Type	Each	Type	Each	Type	Each	Type	Each
1A6	44c	6C6	33c	27	23c	43	33c	75	32c
1C6	44c	6D6	32c	30	26c	45	24c	76	26c
2A3	42c	6F7	49c	31	23c	46	32c	77	32c
2A5	32c	12A7	56c	32	44c	47	32c	78	32c
2A6	32c	12Z3	29c	33	33c	50	59c	80	22c
2A7	44c	25Z5	33c	34	44c	53	44c	82	32c
2B7	44c	01A	21c	35	29c	55	32c	83	32c
5Z3	28c	12A	26c	36	29c	56	24c	83V	52c
6A4	44c	19	29c	37	26c	57	32c	84	44c
6A6	44c	22	44c	38	29c	58	32c	85	32c
6A7	44c	24A	29c	39/44	29c	59	44c	89	32c
6B7	44c	26	21c	42	33c	71A	26c	183	44c
6C6	33c							485	42c



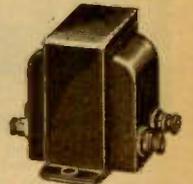
## Special Double Button Carbon Mike

An exceptional offer. This high quality double button (200 ohms per button) carbon mike has a pure gold (24K.) spot center, stretched diaphragm, special damping. Excellent response; especially suited for voice. With 5 1/2 feet of shielded cable. Unceased, may be suspended by means of three mounting studs. 2 1/2" diameter. Fully adjustable. Shpg. wt. 8 lbs. **YMI3358**  
**Your Cost, Special** **\$1.45**



## Mike Transformer—2-Button

Has a turn ratio of 1:45. Impedance ratio 1:2000. Has flat response curve from 30-7000 cycles. 3 1/4 x 2 1/4 x 3 3/4". Shpg. wt. 2 1/2 lbs.



**YC1929**  
**Your Cost** **95¢**

## Genuine RCA-Victor Double Faced Records



A real opportunity to stock up on genuine RCA-Victor double faced records at a price far below their actual worth. Ideal for P.A. men for demonstrating amplifiers. Can be used by dealers as a sales promoter for phonograph equipment.

### AMERICAN RECORDS

25 assorted records. Include many well-known artists, in Vocals, Waltzes, Fox-trots, Tangoes, Bands, Marches, etc. Shpg. wt. 13 lbs. **YA346**  
 Carton of 25 Assorted. **\$2.25**  
**Your Cost Special**

### SPANISH RECORDS

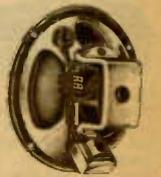
Assortment of 25 records by well-known and popular artists. All late numbers, and includes Tangoes, Cancions, Fox-trots, Paso Doble, Boleros, etc. Shpg. wt. 13 lbs. **YA347**  
 Carton of 25 Assorted. **\$3.50**  
**Your Cost Special**

### Other Foreign Languages

Cartons of 25.  
**YA107**—French  
**YA108**—German  
**YA109**—Polish  
**YA110**—Russian  
**Your Cost, Any Type** **\$3.50**

## MAGNOVOX 8" Dynamic

A well made dynamic speaker, 8" diameter, ideal for use as a replacement speaker or for the new set. Has 1250 ohm field coil, and is furnished with an output transformer to match a single pentode (47, 2A5, etc.). Has hum bucking coil. Pressed paper cone, heavy field coil. Entire metal chassis is plated to be rust proof. Has plug connector. Quantity limited. Shpg. wt. 5 lbs. **YW19127**  
**Your Cost** **\$2.25**



## Midget I.F. Transformers



Midget, double tuned i.f. transformers ideal for use by set builders or for replacement purposes. Trimmers have genuine isolantite bases, and are top tuned. Precision winding insures exceptionally high gain. In round containers 1 1/8" in diameter. Color coded leads.

**YH10036**—175 Ke.  
**YH10035**—456 Ke.  
**Your Cost Each, Either Type** **35¢**

## RCA Model 66 I.F. Coils

The genuine RCA factory replacement parts for the above model receiver. All factory peaked. Shpg. wt. 1 lb. 1st and 2nd I.F. Transformer Part No. 8481.



**YC2165**—Your Cost Each .49c  
**3rd I.F. Transformer. Part No. 8482.**  
**YC2166**—Your Cost Each .49c

## Carbon Resistor Kit 100 R.M.A. Units 1/4, 1/2 and 1 Watt

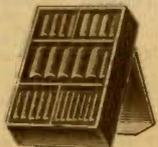


Just what the serviceman needs. Carbon resistors are used in the course of day to day service work. A stock of 100 units will not last long—and at the price quoted below, you can afford an appreciable saving. The kit contains an assortment of 100 RMA color coded units, accurately rated. The assortment consists of approximately 25-1/4 watt sizes, 25-1/2 watt sizes and 50-1 watt sizes. All useable values, no "flake" resistances. In cardboard box. Shpg. wt. 2 lbs.

**YD3852**  
**Your Cost, Special** **\$1.45**

## Tubular Condenser Kit

Contains 25 tubular condensers, manufactured by a famous condenser manufacturer. No "flake" capacities or voltages. Range from 200 to 600 volts D.C. working voltage, from .0005 to .1 mfd. Shpg. wt. 3 lbs.



**YD3858**  
**Your Cost** **86¢**

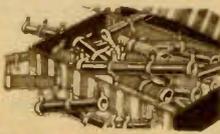
## R.F. Choke Kit



A handy assortment of 10 r.f. chokes with inductances ranging from 2 to 22 millihenrys. All have leads. Brand new, perfect condition. Shpg. wt. 2 lbs.

**YH10110**  
**Your Cost, Kit of 10** **29¢**

## Voltage Divider Kit



A kit of 10 selected voltage dividers, vitreous enameled and open wire wound types, with wattage ratings of 25, 50 and 75 watts. All new, useable types. In box. Shpg. wt. 4 lbs.

**YD3853**—Kit of 10  
**Your Cost, Special** **59¢**

## Grid Bias Kit



A kit of 15 bias resistors that will take care of practically all tubes. Wire wound types, solder lug terminals. All new, and of standard size. Every serviceman or set builder can use it. In cardboard box. Shpg. wt. 2 lbs.

**YD3850**—Kit of 15  
**Your Cost, Special** **25¢**

# Last Minute SPECIALS

## ARCTURUS "Coronet" Metal Tubes



Through a recent development of the Arcturus company, old type receivers can now be modernized to take the new type metal tubes. The Coronet line of tubes, all metal types, are designed to replace the popular types of glass envelope tubes used in the receivers of the past several years. No other changes than the use of an adapter are necessary for installation. Improved reception will result.

Coronet Type No.	Replaces Type	No. of Prongs Adapter	Your Cost Each
24	24	5	\$0.95
27	27	5	.95
51	51-35	5	.95
55	55	6	1.08
56	56	5	.95
57	57	6	.95
58	58	6	.95
75	75	6	1.08
77	77	6	.95
78	78	6	.95
80	80	4	.81
85	85	6	1.08
2A6	2A6	6	1.08

### Adapters for Above

YL11536—4 prong.  
YL11537—5 Prong.  
YL11538—6 prong.  
Your Cost, Any Type **25¢**

## New HIVAC Tubes



Measure only 2 3/4" high, 3/4" diameter. Ideal for portable receivers. All 2 volt filaments, drawing only .06 amps. (type XY draws .12 amp.) Written up in many recent radio publications. Full technical details sent on request.  
Type XL—Triode. Amplification factor 16.

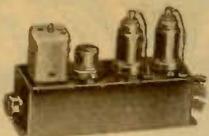
4 prongs.  
Type XD—Triode. Amplification factor 16. 4 prongs.  
Type XP—Last stage power tube. (not designed to drive a loud speaker). 4 prongs.  
Your Cost, Any above type **\$3.15**  
Type XSG—Screen Grid tube. Amplification factor 360. 4 prongs.  
Type XY—Pentode output tube. Will drive loud speaker. 5 prongs.  
Your Cost, Either Above Types **\$4.20**  
Sockets for above. Your Cost **21¢**  
YM13004—4 Pr.  
YM13005—5 Pr.

## New "Universal" Dynamic Speakers



New type speakers which feature universal field coil and universal output transformers. Available in 6" and 8" models. Have field coils with 3000, 2500, 1800 and 300 ohms. Output transformer, large type, matches any single or p.p. output tubes. Plated metal frame, ridged paper cone. Mounting bracket on rear. Full instructions furnished.  
YW19150—6" Model. Shpg. wt. 3 lbs.  
Your Cost **\$1.95**  
YW19151—8" Model. Shpg. wt. 6 lbs.  
Your Cost **\$2.25**

## LAMB "QST" Noise Silencer



Built by Lafayette engineers from the article by Mr. James Lamb in the February 1936 "QST". Effectively eliminates most interference caused by spark plugs, electric motors, etc. For all superhets having two or more i.f. stages. Uses 1-6J7, 1-6L7 and 1-6H6 metal tubes. Housed on a single, self-contained metal chassis 8" long, 2" wide, 4 1/2" high. Full instructions furnished.

Complete kit of parts and instructions, less tubes and plug for connecting to i.f. socket in set.  
YL12687—For 175 kc. superhets } Your Cost **\$3.75**  
YL12686—For 456 kc. superhets } Either Type  
Kit completely wired and tested.  
YL12698—For 175 kc. superhets } Your Cost **\$5.25**  
YL12699—For 456 kc. superhets } Either Type **\$2.70**  
YL12688—Kit of RCA tubes. Your Cost  
Plug for connecting to i.f. socket in set.  
YL11485—5 Prong YL11487—7 Prong  
YL11486—6 Prong YL11488—8 Prong  
Your Cost, Any Type **15¢**

### De Luxe Model

Similar to above, but with additional 6J7 noise amplifier, so that unit can be used with any superhet regardless of the number of i.f. stages. On metal chassis 9 1/2" x 3 3/4" x 5 1/2".

Complete kit of parts and instructions, less tubes and plug.  
YL12700—For 175 kc. superhets } Your Cost **\$5.95**  
YL12701—For 456 kc. superhets } Either Type  
Kit wired and tested.  
YL12702—For 175 kc. superhets } Your Cost **\$7.95**  
YL12703—For 456 kc. superhets } Either Type  
YL12704—Kit of RCA tubes for above.—Your Cost **\$3.65**

## .5 Mfd., 1000 Volt Paper Condenser

A high voltage section ideal for use in receivers and low power transmitters. Accurately rated. Best grade foil and paper. Has leads for direct connections. Sealed moisture proof. Size 4 1/2" x 2 x 3/4". Shpg. wt. 1 lb.  
YB498—Your Cost **19¢**



## 1 Mfd. 1000 Volt

### Filter Condenser



High voltage filters at an exceptionally low price. 1 mfd., 1000 volts d.c. working voltage. In metal case with leads. Size 5 1/2" x 2 1/2" x 1 1/2". mtg. centers 5 3/4". Shpg. wt. 2 lbs.  
YB564  
Your Cost Each **45¢**

## Line Cord Resistors



YE5241—2 tube sets. 360 ohms.  
YE5242—4 tube sets using 6 volt rectifier. 310 ohms.  
YE5329—4 tube sets using a 12 volt rectifier. 280 ohms.  
YE5330—4 tube sets using a 25 volt rectifier. 200 ohms.  
YE5331—5 tube sets. 160 ohms.  
YE5332—6 tube sets. 150 ohms.  
Your Cost Each, Any Type **30¢**

## Standard Replacement Resistor Tubes

Many of the present day a.c.-d.c. sets use resistor tubes instead of line cord resistors. The listing below covers replacements for the popular types. Pilot light column shows number of 2 1/2 volt bulbs (.150 amp.). Standard 4 prong base.

Type No.	Voltage Drop	Pilot Lights	Replace Type
185R	54.9		50X3
185R4	54.9	1	
185R8	54.9	2	50X3T
165R	48.6		
165R4	48.6	1	50B2*
165R8	48.6	2	50A2*

\*Glass types only.  
Your Cost, Any type **33¢**



## SOLAR Elim-O-Stats Type RA

For sets receiving a low intensity of noise through the power line. Takes only a moment to install. Rating 110 volts, 5 amps. maximum.



YL12432  
Your Cost **24¢**

### Type RB

Similar to above, but more effective where noise is more severe. Plug end fits power receptacle; set plugs into other end. Shpg. wt. 1 lb.



YL12433  
Your Cost **44¢**

## RCA 3-POINT Service System



### A "Tip" File and Two Books

FREE . . .  
Under the Plans Outlined Below

At last a way has been found to bring to every radio service engineer the benefit of the other fellow's experience in solving difficult problems in servicing. With the RCA radio service tip file you can quickly locate the tip that applies to the particular job you are doing. The tips were carefully selected from hundreds that were submitted to RCA Radio Service News. When you get it, the sturdy metal filing case contains 200 separate tip cards and the necessary index cards to make the tips easy to locate. Additional tips come in packets containing 20 cards. The case will hold 1200 cards. Every owner of an RCA tip file who returns the registration card that comes with it will be placed on a preferred mailing list to receive special announcements pertaining to his file, technical data, etc.

In addition to the tip file and cards, two valuable text books are provided. These are, "Radio Service Business Methods" by Rider and Van Newenhuizen, and "101 Service Sales Ideas" compiled by RCA. These books should prove of inestimable aid to the serviceman and dealer. This entire unit—tip file and books—can be obtained FREE OF CHARGE. See plans outlined below.

### SERVICE PARTS PLAN

You can get the complete outfit—tip file, metal case, text books—FREE of charge, by doing the following:

1. You ask for, and receive a purchase record card.
2. You order \$5.00 worth of RCA parts (Test Instruments not included), whereupon you get the entire 3-Point Service System. At this time you pay an additional \$3.00 deposit.
3. After the initial \$5.00 purchase, you get a packet of 20 tip cards with every additional \$10.00 worth of purchases. Each packet is numbered to avoid duplication.
4. When your purchases total \$60.00, as shown on your card, the \$3.00 deposit will be returned to you.
5. You go right on getting packets of tips for each \$10.00 of purchases.

### RCA RADIOTRON TUBE PLAN

Similar to the above deal, except that the text books are not included. Here's how you get the tip file, cards and cabinet FREE!

1. You ask for and receive a purchase record card.
  2. You deposit \$2.00, and contract for a total of 200 tubes to be taken out over a period of time. The tip file cards and case are then sent to you. The file contains 300 tips.
  3. When your contract has been fulfilled, you get the \$2.00 deposit returned to you.
- When ordering through the mails, be sure to indicate purchases to come under the above plans, so that we can keep records for you. No test instruments or transmitting tubes can be included.  
The above deals are subject to withdrawal without notice.

Small **DOWN PAYMENT!**

**BUY YOUR**

*Lafayette*



Only  
**\$99<sup>50</sup>** CASH  
8.5 SQUARE FEET  
SHELF SPACE

**T**HE Lafayette line of electric refrigerators for domestic use has been engineered and constructed to the rigid standards of the industry. Thirteen years of experience, coupled with an intimate knowledge of consumer demand, has resulted in a line of refrigerators that provide the maximum in the three major requisites, i.e.—**QUALITY—DEPENDABILITY—ECONOMY OF OPERATION.** All Lafayette refrigerators utilize the finest mechanical and electrical equipment—motors, controls, cabinets, insulation, etc.—so that each will stand up through a lifetime of day-in and day-out use. All are designed to meet a definite family size requirement; there are three size boxes to meet the requirements of any family. These provide ample shelf space, efficient and continuous refrigeration, and economy of operation. The external appearance in all cases is such that no housewife can fail to take a justifiable pride in ownership.

**FHA** plan enables the consumer to purchase electric refrigerators on an easy time payment plan whereby he can take three years to pay. Only a small down payment, followed by convenient monthly payments, is required. Write now for full details of this plan.

\*\*\*\*\*

**MODEL T-436—8.5 SQ. FT. CAPACITY**

The Lafayette model T-436 electric refrigerator is designed for use by the average small family. Although the "baby" of the Lafayette line, it incorporates every necessary requirement for efficient, dependable refrigeration. And most important, it is offered at a price far below what you would expect to pay for any refrigerator of equal quality. We unhesitatingly claim this refrigerator to be the standout value in electric refrigerators for 1936

**AMPLE STORAGE ROOM**

A total shelf area of 8.5 square feet (4.5 cu. ft. N.E.M.A.) is provided. This space is ample for storing all the food requisites for the average small family. The space is so distributed that tall bottles, roasts, etc., can easily be kept in the box without crowding. A small shelf is mounted next to the evaporator for foods that must be kept especially cold. The ice cube compartment contains three aluminum trays which make a total of 63 ice cubes. Freezing takes place rapidly, so that there is rarely any need for waiting for cubes. Ices, ice cream and other frozen desserts can be made in this compartment

**SIMPLE TO OPERATE AND CONTROL**

No technical knowledge of any kind is necessary for proper operation of the refrigerator. A knob controlled "Cold control," mounted on the front assembly in the box, allows a wide range of temperatures. The dial on this unit is calibrated in steps, so that any degree of coldness can be maintained. A Defrostomatic control insures refrigeration while the box is being defrosted. A manually operated "on-off" switch is also provided so that current can be turned off when refrigerator is not used.

**CONSTRUCTED TO LAST A LIFETIME**

In order to insure maximum efficiency of operation, under all ordinary conditions of use, all components used in its construction are of the highest quality. A two-cylinder compressor is used (rarely found in a box priced as low as this) to provide quiet, vibrationless operation. The powerful  $\frac{1}{8}$  horsepower motor requires no other attention than a semi-annual oiling, and is furnished with an overload protection device to prevent accidental damage caused by faulty electric supply. Two inches thick insulation throughout the box, with  $2\frac{1}{2}$ " door insulation, insures preservation of cold; outside room temperatures cannot affect the contents of the box. This feature also makes for more economical operation. The entire cabinet is constructed of heavy gauge steel of the finest quality; there is absolutely no danger of broken supports, cracked legs, etc

**BEAUTIFUL EXTERNAL APPEARANCE**

In keeping with the inherent quality of the refrigerator, the unit presents a striking picture. The entire finish is in gleaming white, set off by shining chrome plated hardware and a neat name plate mounted on the door. The finish is both durable and washable. Just wiping with a moist cloth will keep the exterior "mirror bright."

**Lafayette Model L-435 Electric Refrigerator.** For operation on 110 volts, 50-60 cycles a.c. Overall dimensions: 54 $\frac{1}{4}$ " high, 23 $\frac{3}{4}$ " wide, 23" deep. Inside dimensions 26 $\frac{1}{4}$ " high, 19 $\frac{1}{2}$ " wide, 16 $\frac{1}{4}$ " deep. Shpg. wt. 243 lbs. Code RELIS. **\$99.50**  
Your Cost. Special

# REFRIGERATOR *Now!*

*... Up to 3 years to pay!*

## MODEL L-736—14 SQ. FT. CAPACITY

This intermediate size Lafayette electric refrigerator is designed for use by families of medium size. It is without doubt one of the finest of its size on the market today.

Fourteen square feet of shelf area (over 7 cubic feet) insures ample space for all ordinary requirements. Shelves are so arranged that maximum food content is available without crowding, as shown in the illustration below. The freezing compartment contains two single and one double depth tray providing a total of 98 ice cubes. The compartment has a protecting door, all metal, satin finish. One of the cube trays is the popular "Flex-O-Rubber" tray. The motor, used in conjunction with a two-cylinder compressor, has a  $\frac{1}{6}$  h.p. rating.



### EXTERNAL FEATURES

Gleaming white finish, relieved by a chromium band across top and black legs. Semi-concealed hardware of chromium.

**Model L-736**—Lafayette Electric Refrigerator. For operation on 110 volts, 50-60 cycles a.c. Overall size: 58" high, 30 $\frac{1}{8}$ " wide, 26 $\frac{3}{4}$ " deep; inside dimensions 30" high, 23 $\frac{3}{4}$ " wide, 19" deep. Shpg. wt. 380 lbs. Code RBOBE

Your Cost ..... **\$135.00**

**DL-736**—Same as above, but with DeLuxe equipment described above. Code RCEVE

Your Cost ..... **\$144.50**

**Model L-936**—Lafayette Electric Refrigerator. For operation on 110 volts, 50-60 cycles a.c. Overall size: 61 $\frac{1}{2}$ " high, 32 $\frac{3}{8}$ " wide, 26 $\frac{1}{8}$ " deep; inside dimensions 33 $\frac{1}{2}$ " high, 26 $\frac{1}{2}$ " wide, 18 $\frac{1}{2}$ " deep. Shpg. wt. 467 lbs. Code RPITE

Your Cost ..... **\$159.50**

**DL-936**—Same as above, but with the DeLuxe equipment described above. Code ROTOR

Your Cost ..... **\$170.00**

## MODEL L-936—17.4 SQ. FT. CAPACITY

The model L-936, the largest of the boxes in the Lafayette electric refrigerator line, will fully take care of the needs of the largest families. A total shelf area of 17.4 square feet (over 9 cubic feet) provides more than sufficient space for all requirements. The freezing compartment, holding two single depth and two double depth trays, makes a total of 126 ice cubes. One "Flex-O-Rubber" tray is included. The compartment is fronted by a satin finish freezer door. The ribbon wire shelves are so arranged that maximum food storage can be secured without crowding.

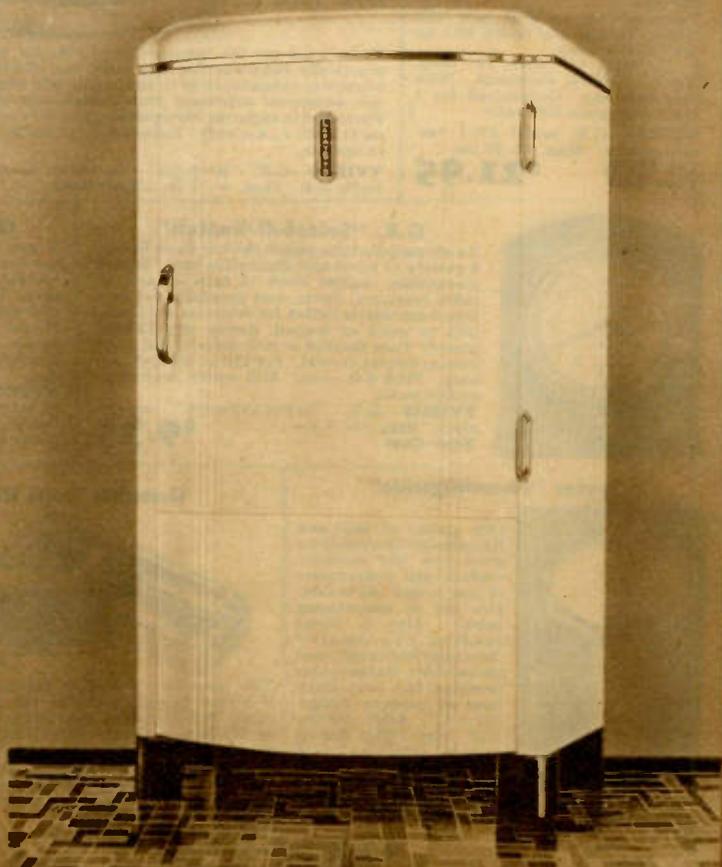
The motor assembly includes a two-cylinder compressor used in conjunction with a powerful  $\frac{1}{3}$  h.p. motor, which requires only a semi-annual oiling.

### Features Common to Both of the Above Models

Other features common to both of the above models include: an automatic interior light that operates whenever door is opened; a single, easily operated, nine position "Coldial" allowing a wide range of box temperatures; a Defrost-O-Matic control that insures refrigeration during periods of defrosting; three inch thick insulation, with 3 $\frac{1}{4}$ " insulation at the bottom of the box, insures maximum efficiency of the refrigerating system; a tip-up shelf next to the freezing compartment can be pushed out of the way when not required; a special shelf on the left side of the freezing compartment for tall bottles, milk, etc.; a longitudinal evaporator increases the amount of useable shelf space available. Internal finish in acid resisting white porcelain—easy to keep clean. Cabinet constructed throughout of heavy gauge steel.

### DE LUXE MODELS

Both the 736 and 936 models are available with deluxe equipment (illustrated in insert). This equipment includes a large "hydrator" and four fruit baskets to fit in the bottom shelf; a "Four-in-One" food file consisting of a large sliding shelf allowing selection of food from back of box without removing other food; sliding trays are independent of each other.





# ELECTRICAL Servants of Merit

## G.E. Vacuum Cleaner Model AV-1



Revolving Brush  
18 Ft. Cord

G.E.'s latest and finest! It accomplishes more with less effort and for less money. It incorporates every feature you have found lacking in the other cleaners—and then some! Rubber wheels will not mar your finest floor. G.E. trouble-free motor is sealed—needs no attention, no oiling and operates on either a.c. or d.c.—plug it into any socket connected to utility power supply of 110 volts.

Has a seven-blade fan made of durable, spot-welded steel. Its suction routes out imbedded grit. A tufted horse-hair REVOLVING spiral brush picks up hair, lint and threads other cleaners can not touch.

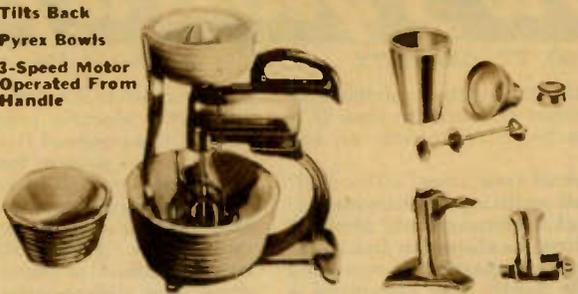
Uses a newly designed dust-proof bag of new material which is so woven as to permit free movement of air. Body, motor-case and cap are of aluminum making the unit very light, 13½ lbs. Rubber bumper on front and sides protects furniture.

Furnished with an 18 ft. new type rubber-covered cord ended with an unbreakable plug. Is 42" high, 14" wide, 12" deep. Finish, polished aluminum. With blue dust bag. Guaranteed for 1 year. Consumes 300 watts.

**YS17782—G.E. model AV-1 vacuum cleaner. Shpg. wt. 20 lbs. List, \$29.95 Your Cost \$21.95**

## New G.E. "Hotpoint" Mixer

- Tilts Back
- Pyrex Bowls
- 3-Speed Motor Operated From Handle



This new G.E. portable mixer may be used on its base or removed from it and be used at the sink, stove or elsewhere. It mixes, beats, whips and stirs foods, extracts juices and many other duties. The 3-speed switch close to the handle may be operated without removing hand. Finished in bright silver and baked Glyptal. Standard equipment consists of mixing unit with base, double beater, two opal white bowls, juice extractor, and oil dripper. Operates on 115-125 volts a.c. or d.c. Equipped with approved rubber cord and plug.

**YV18342—"Hotpoint" mixer supplied as described above. \$15.95 less accessories. Shpg. wt. 18 lbs. Your Cost**

Accessories (Illustrated Above, At Right)

<b>YS17727—Speed Reduction Unit. Your Cost Each</b>	<b>\$3.35</b>
<b>YS17728—Food Chopper (requires reduction unit). Each</b>	<b>1.30</b>
<b>YS17729—Knife Sharpener. Your Cost Each</b>	<b>.55</b>
<b>YS17730—Grater. Your Cost Each</b>	<b>.55</b>
<b>YS17731—Shredder and Slicer (requires reduction unit). Each</b>	<b>2.95</b>
<b>YS17732—Drink Mixer. Your Cost Each</b>	<b>1.69</b>

## G.E. Tidy Cleaner



An all-around servant for the busy housewife. A midget cleaner, weighs only 4½ lbs., but does a remarkable number of cleaning jobs.

For the hard-to-get-at places; with attachment reaches from floor to ceiling. Fixed sweep action brush loosens surface litter, threads, hair and lint.

With glass deodorizer and insect repeller, and 2 cans of dichloride crystals.

Has sealed-in motor requiring no oil or care; operates on 105-125 volts a.c. or d.c. Written guarantee for one year. With 15-ft. approved cord and plug. Complete with accessories and instructions. Shpg. wt. 9 lbs.

**YS17780—Your Cost \$12.95**

## G.E. "Hotpoint" Automatic Waffle Iron

Quantity Limited!  
Order Now At This LOW PRICE!



- Also Toasts Sandwiches
- Full Automatic
- Air-Cooled Base

These irons use the famous Calrod long-life heating elements which are practically indestructible and resist the effects of air and moisture. An attractive indicator close to the handle tells when the iron is hot enough to use; additional automatic control maintains correct baking temperature. Furnished in enduring chromeplate, with 6-ft. silk approved cord. Operates on 115-125 v., a.c. only. Bakes full 7¼" waffle, and costs only 4c. per hour to operate.

**YV18386—G.E. "Hotpoint" Chastleton Model automatic waffle iron. Shpg. wt. 7 lbs. Your Cost \$5.95**

## G.E. A-C-Matic Iron



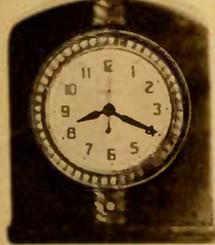
Save your energy and speed your ironing with this fast heating

Is fully automatic, with a wide range of ironing heats

even ironing temperature for all types of material. It weighs 6 pounds, and features: Button Saving nooks, Heel Stand, Thumb Rest, and the famous long life Calrod element. Finished in enduring chromeplate. For 115-125 volts a.c. only. Operation costs about 4 to 6 cents per hour.

Shpg. wt. 9 lbs.

**YV18110—Your Cost \$3.90**



## G.E. "Select-O-Switch"

An all-purpose time switch electric clock having a variety of novel and distinctive uses. Switch mechanism enables clock to turn on and off radio receivers, lights, and generally act as a timed automatic switch for intervals of 15 minutes or more as desired, during any 12-hour period. Case finished in rich walnut; dial, light cream; convex crystal. For 110 v., 60-cycle a.c. only. With 6-ft. cord. Will switch devices up to 600 watts.

**YV18149—G.E. "Select-O-Switch" electric clock. Shpg. wt. 6 lbs. Your Cost \$9.35**

## G.E. New "Hostess" Clock

A new wall-type kitchen clock which fulfills the two major requirements for kitchen duty: accurate time-keeping and beauty of appearance. Has 7½" base and is 2½" deep. Case is of Beetleware and is available in ivory or green. Nical (similar to chrome) trimmings. Full sweep second hand. Ivory dial. Sealed-in synchronous motor. With approved cord and plug.

**YV18081—G.E. "Hostess" clock, for 115-125 v., 60-cycle a.c., only. Shpg. wt. 3 lbs. Specify color desired. Your Cost \$3.95**



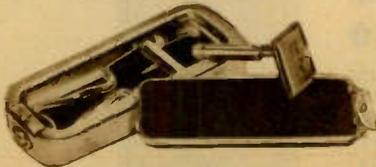
## Taylor "Humidiguide"



One glance at this new hygrometer-thermometer gives you the moisture content and temperature of your home. An invaluable aid in maintaining health. Has a direct reading hygrometer (humidity indicator), and an accurate thermometer mounted on a satin black case of modern design, 6x4x1¼", with chrome reed trim. The dial is grained aluminum with thermometer to match. Each in attractive box.

**YV18385—Taylor "Humidiguide", Hampton model, calibrated in percent moisture-content as well as Low-Normal-High. Shpg. wt. 3 lbs. Your Cost \$2.63**

## Genuine Rolls Razor



This razor uses the finest Sheffield tool steel and is hollow ground just like the barber's straight razor. Self-contained hone and strop; a few strokes on the hone with the mechanical stroker, then a stropping, and the blade is perfect. Perfectly safe in action—the blade lasts a life-time—no other cost than the initial purchase price. All contained in an attractively nicked compact case, ideal for home or travel. Shpg. wt. 2 lbs.

**YV18150—No. 2 Rolls Razor Your Cost \$6.65**

## "Soda King" Charged Water

### Syphon

Make your own charged water at home in a jiffy. Merely slip a cartridge into the handle, twist, shake, and you have a full quart of sparkling water—cleanly and SAFELY made. Bottle is encased in gleaming chromium shell with smart modern designs. This is the only syphon available with a new

**SAFETY VALVE built-in—absolutely no danger. Lasts a life-time. Shpg. wt. 9 lbs.**

**YV18387—Syphon, less charges. Your Cost \$3.95**  
**YV18388—Box of 6 charges. Your Cost \$0.25**



# Year-Round Household Appliances



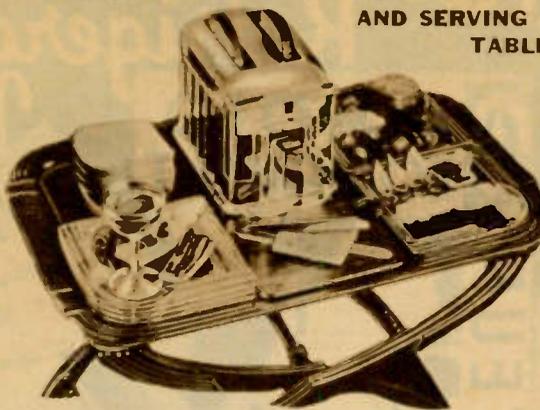
## TELECHRON Electric Clock With Alarm



The electric clock buy of the year! Attractive 3 1/2" ivory dial, full second hand, self-starting synchronous motor for 100/125 volts, 60 cycle a.c. only, chrome finish, 5 1/2 ft. approved silk cord and plug, handy "on-off" button for alarm.

Shpg. wt. 3 lbs. **YS17725 Your Cost \$3.75**

## TOASTMASTER—HOSPITALITY TRAY AND SERVING TABLE



Toastmaster needs no watching—the "Flexible Clock" automatically regulates the time of toasting and pops up golden-brown slices every time. And the new Hospitality tray adds just the right touch. It comprises a tray of richly grained wood in walnut or mahogany, crystal clear dishes for relishes and spreads, and a cutting knife. Then there is the new 1936 addition: a beautiful hardwood, serving table with a polished finish—to match the sparkling Fostoria crystal dishes. Just the assemble for the smart tea or cocktail gathering. Attractive—labor-saving—convenient—for the perfect hostess.

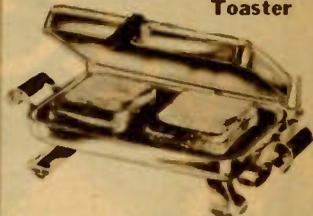
**YV18117**—Two-slice Toastmaster complete with Hospitality Tray. Shpg. wt. 12 lbs. Specify finish desired. **Your Cost \$15.95**

**YV18108**—2-slice toastmaster only. **Your Cost \$11.95** **YV18109**—One slice Toastmaster only. Shpg. wt. 7 lbs. **Your Cost \$8.50**

### Hardwood Serving Stand

**YV18116**—Hardwood serving stand less tray, (as illustrated). High polished finish, grained stock. Stand is collapsible—out of the way when not in use. Specify walnut or mahogany. Shpg. wt. 11 lbs. **Your Cost \$3.75**

## GRILLETTE Sandwich Toaster



An extremely low-price sandwich toaster. Entire assembly is nickel-plated with polished grids. Quick heating elements. Can be used for heating hamburgers, "weenies," etc. Black insulated composition handles. Has prongs for standard female plug.

**YS17737**—Grillette No. 6 sandwich toaster, less cord and plug. Shpg. wt. 5 lbs. **Your Cost \$1.19**

## DETECTO "Ace" Scale

Guaranteed For Five Years



Smartly created in the modern manner, this scale is practically a necessity in the up-to-date home. A hanging rack brings the dial to a quick "up." Registers accurately up to 300 pounds and maintains its accuracy. Guaranteed for five years. Ivory enameled finish with washable black mat. Shpg. wt. 10 lbs.

**YS17745—Your Cost \$2.65**

## ELECTROMIX

For All Drinks



A most inexpensive but exceedingly useful device. Designed as a combination mixer and whipper in one unit. Can be used anywhere because of its portability. Detachable stainless beater cleans instantly. Glass container of modern design holds approximately one quart. Motor operates on 110 volts, 60 cycle a.c. only. Equipped with approved cord and plug. Shpg. wt. 6 lbs.

**YV18124—Your Cost \$1.10**

## HAMILTON-BEACH Mixer

This new model presents a beautiful appearance and at the same time is one of the most efficient units on the market. Finished in baked-on ivory and black enamel. Equipped with a Bakelite, curved handle and can easily be controlled with one hand.

The powerful motor used has a tapped field for speed control and operates on 110/125 volts, a.c. (25/60 cycles) or d.c. Speed control is near handle to permit easy one hand control. This mixer comes supplied with a chromium plated, double beater for all regular mixing; single agitator for mixing drinks in a glass. Rubber feet prevent marring of



furniture. Opaque glass bowls finished in beautiful ivory—large bowl holds 3 quarts, small bowl, one quart. Bowls revolve automatically on base. Complete with instructions and approved cord and plug. Shpg. wt. 12 lbs.

**YV18275**—As described, less juice extractor. **Your Cost \$13.95**

**YV18137**—Juice extractor only. Illustrated above. Each **Your Cost \$1.95**

Additional accessories are available. Write for circular.

## H-B Iceless Freezer



Motor-driven freezer stirs as it freezes. Of cast aluminum, easy to clean. Capacity, 1 1/2 quarts. Wooden paddles. For 115 120 volts a.c., 50/60 cycles only. Place in ice-cube compartment, plug in and make ice-cream, sherbets, ices, etc. Shpg. wt. 9 lbs.

**YV18372—Your Cost \$7.50**

## New MICRO-LITE

A new pocket flash lite 3 1/2" long, 3/4" in diameter. Has ring for attachment to pocket chain, or will fit in handbag. Turning ring and lite is on and stays on—turn again and it's off. Complete with cell and bulb **YS17723—Your Cost \$2.00**

## Night Light

Ideal for use as a trouble or night light in home or shop. Operates on 110/125 volts a.c. or d.c. Base and hood of molded Bakelite, with convenient switch in base. Supplied with Mazda bulb. Shpg. wt. 1 lb.

**YM13239—Your Cost \$2.40**



## REALPHONES—Hand-Sets

MODERN TELEPHONE



Realphones are the new 2-way telephones that operate on standard dry-cells. They are modern, compact and efficient. Signal buzzers concealed in the base. Furnished in pairs ready for use, complete with twisted wire—only batteries to be added. Can be used between house and garage, kitchen and living-room, etc. No complicated wiring.

**YS17373**—Set of two phones, complete with wire and instructions. Less batteries. Shpg. wt. 7 lbs. **Your Cost \$4.25**

## CORDLESS Electric Iron



Fully Automatic

Tapered to slip under buttons, and into gathers and plaits. Weighs 6 pounds. Operates on 105-130 volts, 25-60 cycles a.c., only. Metal parts of cold-rolled steel. Black enameled "cool" wooden handle. Finished in rich chromium plate. Fully guaranteed for 3 years. Does heavy or light work beautifully.

**YS17724**—Shpg. wt. 9 lbs. **Your Cost \$5.75**

The most revolutionary development in irons in years. No cord to twist and interfere with work. Automatic heat control—cannot burn material.

## Neon Decorative Lamps

Gas-filled bulbs that throw a beautifully mellow glow with practically negligible current consumption. Screw into any source of 110/120 volts, a.c., or d.c.

Ideal nite-lite with base.

Above lamps show in rose glow, a candle flame, a scotty pup, and a duck.

Stock No.	Description	Your Cost
<b>YS17722</b>	Nite lite with base	\$1.10
<b>YS17721</b>	Scotty pup, bulb only	49c
<b>YS17720</b>	Duck, bulb only	49c



# 3 FACE CARDS for Radio and Refrigeration Men!



Your "game" needs this hand! These three catalogs for 1936 — our regular yearbooks — will show you the way to more business and increased pleasure and profits. They contain EVERYTHING in the radio, P. A. and refrigeration fields at the lowest wholesale prices obtainable anywhere. Copies are free.

## Refrigeration Parts Catalog, No. 61

This is the field into which many radio servicemen have gone as a natural and profitable filler for the slack summer months. This 64-page catalog covers the refrigeration servicing field as thoroughly as our radio catalogs cover the radio field. It is compiled by our expert staff of refrigeration engineers and lists every replacement part, tool and equipment necessary to service all makes of refrigerators — and, as usual, at the lowest prices in the field. Includes easy-to-read servicing dope for the beginner.

## Amateur Radio Catalog, No. 60

Thousands of hams are satisfied users of apparatus purchased from our Amateur Division — and for many excellent reasons. This 68-page catalog, devoted solely to amateur equipment, lists nothing but the most dependable apparatus at the lowest possible prices. It includes complete transmitters and receivers for everyone from the kitchen-table enthusiast to the "fella" with a roomful of sky-high racks — not to forget the NEW RCA communications type short-wave receiver, ACR-175.

## Complete Radio and P.A. Catalog, No. 59

This catalog is truly the "bible" for radio service and P.A. men. Its 196 pages are crammed with anything and everything used in servicing or selling every conceivable type of replacement and receiver parts and public address systems. It is up-to-the-minute, and includes the products of ALL nationally-known manufacturers. This catalog is accepted as the guide to radio purchasing. Send for your copy now and learn why it is indispensable to any purchaser of radio or sound equipment.

Please address your requests for catalogs to Dept. 63

Write or Call for **FREE** Copies at-Nearest Location

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219 CENTRAL AVE. 901 W. JACKSON BLVD. 100 SIXTH AVENUE 430 W. PEACHTREE ST. N.W. 542 E. FORDHAM RD.

# LAFAYETTE



## 5 TUBE A.C. SUPERHET *Two Tuning Bands*

18-50 METERS • 175-545 METERS

Electro-Dynamic Speaker  
Pentode Power Output  
Inlaid Hardwood Cabinet

**\$19.75**

The cabinet is constructed of the finest hardwood, using walnut veneers with inlays of light grained wood to provide a strikingly attractive contrast.

Grooved top, modernistic knobs to match the cabinet, a new type oblong airplane dial with full illumination, and a brown semi-silk backing for a symmetrical grille all go toward making up a cabinet that is a fitting housing for this technical achievement.

The tuning range covers from 18-50 meters, (6-16.7 mc.), and from 175-550 meters (545-1710 kc.), bringing in the popular European broadcasts as well as American broadcasts and police.

A matched dynamic speaker fed by a 42 power pentode offers tonal beauty that will delight the most critical.

**Model D-7**—Lafayette 5-tube dual-wave superheterodyne with tubes. For 110 volts, 50-60 cycles a.c. only. Dimensions: 17" wide, 13 $\frac{3}{4}$ " high, 7 $\frac{1}{4}$ " deep. Code, WEGNA. Shpg. wt. 20 lbs. List Price, \$39.50  
Your Cost

**\$19.75**

Available for 220-volt operation at \$2.00 additional.

**LAFAYETTE** unhesitatingly offers this 5-tube, dual-band superheterodyne receiver as one of the most beautiful models of the mantel type available. Its design is that of modern "streamlining" with rounded effects as the basis of its striking appearance.

The latest type superheterodyne circuit is employed and uses five high-gain tubes, 1-6A7, 1-6D6, 1-76, 1-42 pentode power output and an 80 rectifier. Sensitivity and selectivity are comparable to that found in receivers selling for much more than the remarkably low cost of this phenomenal value.

## 5 TUBE A.C. SUPERHET *3 BANDS Continuous Coverage*

18-560 METERS • METAL TUBES

**\$16.85**

Licensed by RCA  
Designed for Doublet Antennas  
Matched Dynamic Speaker

**HERE** is the finest buy of the year! A beautiful, grained, inlaid "mantel" type cabinet of hardwood, housing the latest type superheterodyne chassis with metal tubes, full 5" matched dynamic speaker, provision for the optional use of doublet antenna, automatic volume control, illuminated, full-vision airplane dial and COMPLETE COVERAGE from 18 to 560 meters, (16 mc. to 550 kc.).

Technically, the chassis employs an extremely sensitive and selective superheterodyne circuit which uses 1-6A7, 1-75, 1-6F6, 1-6K7, and an 80 rectifier. The input is designed to take either doublet or single antenna, and automatic volume control is employed for increased efficiency and quality on DX reception.

The entire range of this receiver is covered in three separate bands controlled from the front panel. These bands are calibrated in kilocycles, megacycles and meters on the full-vision, illuminated airplane dial.

Tone quality is clear and life-like, wide range reproduction being obtained from a matched electro-dynamic speaker.

Special European model, covering 18-50, 200-560 and 800-2000 meters available for

**\$19.95**

# LAFAYETTE



**Model M-9**—Lafayette 5-tube, 3-band superheterodyne receiver, complete with all tubes. For 110 volts, 50-60 cycles, a.c., Dimensions: 11" wide x 14 $\frac{1}{2}$ " high x 8 $\frac{1}{2}$ " deep. Code, VILMA. Shpg. wt. 20 lbs. List Price, \$33.70  
Your Cost

**\$16.85**

Add \$2.00 For 220-Volt Operation

# Lafayette

REGARDLESS of whether you live in America or in Europe, you can tour the air lanes of the world with one of these powerful, modern Lafayette 7-tube superheterodynes. Their great sensitivity and selectivity, their ease of control, their remarkable lifelike tones, all contribute to place them among the outstanding receivers in the entire Lafayette line.

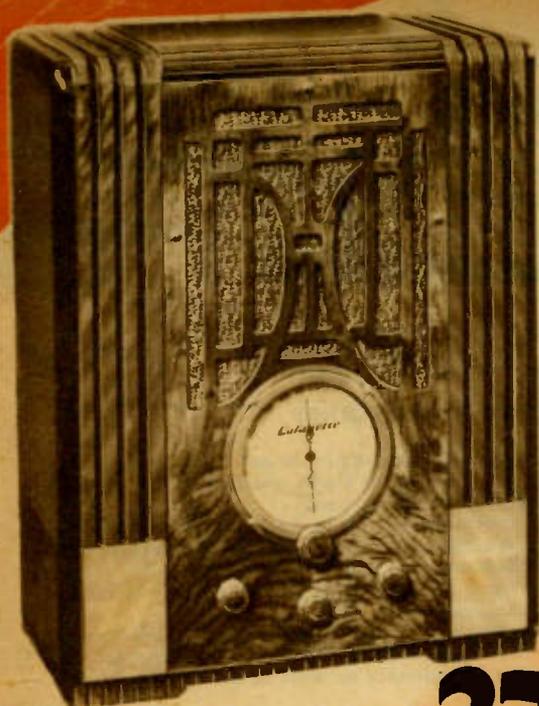
## POWERFUL SEVEN TUBE CIRCUIT

The circuit employed, an advanced superheterodyne, makes use of seven high-gain tubes in the following manner: 1-78 i.f. amplifier, 1-76 oscillator, 1-77 first detector, 1-78 i.f. amplifier, 1-75 second detector, 1-42 output tube and 1-80 rectifier. American models are for 110 volts 60 cycles a.c.; European models incorporate a special tapped power transformer so that the set operates on 110-220-250 volts, 60 cycles a.c.

## FULL THREE BAND COVERAGE

Domestic models cover the following three bands: from 18 to 50 meters (16,666-6000 kc.) covering the popular foreign broadcasts; 75 to 200 meters (4000-1500 kc.) covering the amateur and police calls; 200 to 550 meters (1500-550 kc.) covering the standard American broadcasts. The European models incorporate a range from 800 to 2000 meters (covering the standard European broadcasts) in place of the 75 to 200 meter range.

Other features include the use of a matched 8" dynamic speaker, powerful a.v.c. circuit to eliminate fading and blasting, full range tone control, three gang condenser, and 4" airplane dial with bands individually calibrated.



**\$27<sup>75</sup>**

- DOMESTIC MODEL
- 18-50 75-200 200-550 M.
- EUROPEAN MODEL
- 18-50 200-550 800-2000 M.

In Beautiful  
Mantel and Console  
Cabinets

All models of the Lafayette 7-tube a.c. superheterodyne are available in the beautiful mantel or console cabinets illustrated. The mantel cabinet is constructed using fine grades of selected American hardwoods with two-toned inlays at the base. Grooved side pieces, attractive grille front and raised top all combine to present a beautiful overall appearance.

The console cabinet is representative of the skill of modern furniture craftsmen. A simple straight line design is used throughout to provide a completed assembly that must be seen to be appreciated. Burred front panel, pilastered grille front, raised top, rounded corners and attractive base piece feature its construction.

**Model A70**—Lafayette American model 7-tube a.c. superheterodyne in mantel cabinet as illustrated at top of page. Complete with tubes and 8" dynamic speaker. For 110 volts, 50-60 cycles a.c. Dimensions: 14½" wide, 17½" high, 8" deep. Shpg. wt. 38 lbs. Code WEMBA. List \$55.50.  
Your Cost **\$27.75**

**Model A71**—Lafayette European model 7-tube a.c. superheterodyne in mantel cabinet. Complete with tubes and 8" dynamic speaker. For 110, 220, 250 volts, 50-60 cycles a.c. Shpg. wt. 39 lbs. Code WERUS. List \$59.90.  
Your Cost **\$29.95**

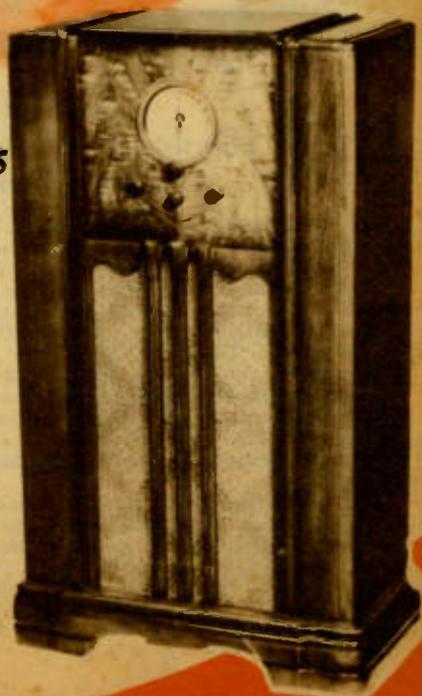
**Model A72**—Lafayette American model 7-tube a.c. superhet complete with tubes and speaker, in console cabinet illustrated at the right. For 110 volts, 60 cycles a.c. Dimensions: 21½" wide, 36" high, 11½" deep. Shpg. wt. 55 lbs. Code WILKA. List \$74.90.  
Your Cost **\$37.75**

**Model A73**—Lafayette European model 7-tube ac superhet inconsole cabinet. For 110-220-250 volts, 60 cycles a.c. Shpg. wt. 56 lbs. Code WITTE. List \$77.90.  
Your Cost **\$39.95**

**7 TUBE  
SUPERHET  
3 BANDS**

**3" DYNAMIC  
SPEAKER  
TONE CONTROL  
AUTOMATIC  
VOLUME CONTROL**

**\$37<sup>75</sup>**







# LAFAYETTE RADIO

1937



CATALOG  
NO. 65

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PAGE 150

**RADIO'S "BLUE RIBBON" CATALOG!**

## WHOLESALE RADIO SERVICE CO. INC.

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NEW YORK, N.Y.  
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# Lafayette

## A. C. Superhet

### SUPER VALUE

### 5 Tube

**3 WAVE BANDS**  
**HIGH SELECTIVITY**  
**DYNAMIC SPEAKER**  
**EXCELLENT TONE**  
**SMARTLY STYLED**



**T**HIS modern Lafayette 5-tube a.c. superheterodyne will unquestionably appeal to those desiring the utmost in "dollar-for-dollar" value. Its beauty of appearance cannot fail to command your admiration—and its superb performance will thrill you.

#### COMPACT — RUGGED

The compact construction of this model makes it well suited for use as a secondary receiver in the den, kitchen, bedroom, office, sick-room, etc. It can easily be carried from place to place. Just plug it into any 110-volt 60-cycle a.c. outlet, connect antenna, and the set is ready to operate.

#### COVERS THREE BANDS

The tuning range is divided into three bands covering the most widely used frequencies. The first band covers the American broadcasts from 200 to 560 meters (540-1500 kc.); the second band covers the police broadcasts and also brings in many amateurs—its range is from 66 to 187 meters (1.6 to 4.5 mc.); the third band covers the popular European short-wave frequencies and the most frequently used amateur channels—its range is from 18 to 50 meters (6 to 16.6 mc.). Band switch on front panel.

#### SENSITIVE AND SELECTIVE

Five "time-tried," efficient tubes are used in the powerful superheterodyne circuit. Complement includes: one 6A7, one 6D6, one 75, one 42 and one 80. Output afforded is approximately 3 watts—more than ample for any home. Sensitivity and selectivity are comparable with those of sets selling at much higher prices. Tuning is sharp and tone quality is excellent.

Other circuit features include: a matched electro-dynamic speaker; powerful automatic volume control (a.v.c.) circuit that minimizes fading and prevents inter-station "blasting"; individually calibrated bands; large airplane dial with arrow pointer; bands in colors simplify tuning.

The receiver is housed in an attractive cabinet that cannot fail to grace any surroundings. Overall dimensions: 9½" high, 17⅞" wide and 8" deep. Designed for 110 volts, 50-60 cycles a.c. operation only.

**Model D-11 — Lafayette 5-Tube A.C. Superhet 3-Band Receiver complete with all tubes and operating instructions. Shpg. wt. 27 lbs. Code WAGNA. List Price \$33.70.**

**YOUR COST ..... \$16.85**  
 Add \$2.00 for 220-volt operation.

**MODEL D-11**  
**\$16<sup>85</sup>**  
 An  
 Approved  
 "Blue Ribbon"  
 Product

#### EUROPEAN MODEL

For those who travel in foreign countries, the Lafayette 5-tube a.c. superhet is available with a special long-wave band in place of the police band covered in the model D-11. The three tuning bands are: from 17½ to 51½ meters; from 193 to 560 meters; from 780 to 2143 meters, covering the standard European broadcasts.

**Model J-33 — European model Lafayette 5-Tube A.C. Superhet with tubes and operating instructions. For operation on 110-220-250 volts, 50-60 cycles a.c. Shpg. wt. 28 lbs. Code EGARE. List Price \$39.90.**

**YOUR COST ..... \$19.95**

# Lafayette 5 TUBE AC-DC WITH DYNAMIC SPEAKER

**Reliable T.R.F. Circuit  
200-550 Meter Tuning  
Built-in Antenna**

THE Lafayette Model J-35 5 Tube a.c.-d.c. receiver is a compact set that really does a big job. Its low price—made possible by Lafayette's large scale production—gives no indication of its entirely satisfactory performance. We can only say—when you own one you will take pride in its possession.

### FULL VISION DIAL

A square type, full vision dial, with a sharp pointer, makes tuning simple. Finding stations is easy, as the scale is calibrated directly in kilocycles with the last zero dropped out to simplify the readings.

The cabinet is constructed in modernistic style with pleasing rounded edges. Fine quality hardwood veneers, rubbed to a high polish, are used. Octagonal shaped knobs and three horizontal stripes on the speaker grille enhance the overall appearance. The entire set is small enough to be carried in a grip or zipper-type case; this feature, plus the a.c.-d.c. operation, makes the Model J-35 a favorite with travelers.

### CLEAR, LIFE-LIKE TONES

The circuit employed is the reliable, time-tried tuned radio frequency, and provides exceptionally fine tone quality and good sensitivity. Five tubes are used: 1-6C6, 1-6D6, 1-4J, 1-25Z5 and 1-K55BX. The use of the latter ballast tube eliminates the usual "hot" line cord.

The set's output is efficiently handled by the matched electro-dynamic loud speaker, and will fill good-sized rooms with clear, life-like voice and music. The tuning range covers the entire domestic broadcast band of 200 to 550 meters (1500 to 550 kilocycles). A built-in, permanently connected aerial is included. This can easily be strung around the picture molding or under a rug. Just plug the set in, and it will furnish many thrilling hours of vocal and instrumental entertainment.

**Model J-35**—Lafayette 5 Tube a.c.-d.c. receiver, complete with tubes. Operates on 110 volts. Size: 11 $\frac{3}{4}$ " long x 7 $\frac{3}{4}$ " high x 6" deep. Shpg. wt. 12 lbs. Code ELBON. List Price \$18.90. Your Cost **\$9.45** 75c



MODEL J-35  
**\$9.45**

### Special European Model

A special version of the Model J-35 is available with the 780 to 2140 meter band as well as the regular 200-550 meter domestic United States band. This set is particularly useful in European and surrounding countries, where many of the important broadcasting stations operate on the long waves. The European set, Model J-36 is identical in size and general appearance with the Model J-35 and has the same technical features.

**Model J-36**—Lafayette 5 Tube a.c.-d.c. receiver, complete with tubes. For 110 volts. Shpg. wt. 12 lbs. **\$11.45** Code EMLYE. List Price \$21.90. Your Cost For 220 volt operation add 75c

# Lafayette 4 TUBE AC-DC with DYNAMIC SPEAKER



Imagine! This fine radio receiver for less than eight dollars! Buy it for yourself and your friends; it makes an impressive and inexpensive gift that will always be remembered.

MODEL J-32  
**\$7.95**

**Ideal "Companion"**

**Set for Travelers.**

**Children's Rooms, etc.**

ONLY advanced radio engineering technique, as developed by Lafayette engineers, makes possible this phenomenal value. At this price, the average family can afford to have a radio receiver in the kitchen, in children's rooms, in a cellar or attic den, on the porch, etc.

Simple, attractive, reliable, the Model J-32 is an added decoration in any room. Put it between books, on a dish shelf, on any convenient window ledge. With its built-in aerial and a.c.-d.c. feature, it can be used almost anywhere.

### STABLE CIRCUIT

This fine set uses 1-6D6, 1-6C6, 1-E75BX ballast and 1-25A7. The latter tube, in conjunction with a matched dynamic speaker—unusual in a set of this price—is responsible for the excellent tone quality obtained from this little wonder. Tuning is accomplished with an easy-grip full vision dial, well illuminated to show the calibrations in kilocycles. The regular American broadcast band, 200-550 meters, is fully covered.

The cabinet of the J-32 is nicely finished in light and dark tones, with a richly colored loud speaker grille.

**Model J-32**—Lafayette 4 Tube a.c.-d.c. receiver. Complete with tubes. For 110 volts. Dimensions: 11 $\frac{1}{4}$ " long x 7 $\frac{3}{4}$ " high x 6" deep. Code EMPRE. Shpg. wt. 11 lbs. List Price \$15.90. Your Cost **\$7.95** For 220 volt operation add 75c

**Blue Ribbon Products approved by Wholesale Radio Service Co., Inc.**

Here's the Symbol of

WHOLESALE

PLACES ITS Stamp

EQUIPMENT OF

BLUE



Look For This  
Seal Before You  
Buy Any Radio!

What This Blue Ribbon  
Seal Means to You

WHOLESALE  
RADIO SERVICE  
Co. Inc. presents the FIRST

BLUE RIBBON CATALOG OF RADIO — a catalog designed and prepared to safeguard your purchases and to save you money! In this, the newest, most selective radio catalog ever issued, we introduce a policy which is the direct result of 16 years of experience.

During these years we have grown to be the LARGEST RADIO SUPPLY HOUSE IN THE WORLD. We have never deviated from our policy of lowest "WHOLESALE" prices, plus the FASTEST, MOST THOROUGH SERVICE in the field. Our standard guarantee of satisfaction is known and respected by servicemen, dealers, amateurs and radio buyers everywhere.

Now we announce our latest step forward — the Wholesale Radio Service Co. Inc. BLUE RIBBON SEAL OF APPROVAL — your assurance of quality and fair prices. THE BLUE RIBBON SEAL means that every radio item listed in the catalog has been approved by our Testing Laboratories. It must be mechanically and technically correct; priced so that it represents sound value, built and designed to give satisfactory service. Only those products which meet the rigid requirements of our Testing Laboratories have been included in this new SELECTIVE BLUE RIBBON CATALOG.

1. It is your assurance of quality; quality that has been checked by reliable manufacturers and re-checked in our own Testing Laboratories.
2. It is your assurance that everything you buy from us is made right and priced right; that it represents honest value; that it will give the service you have a right to expect.
3. It means that you can BUY WITH SAFETY! No matter what you select in this catalog you are sure to get your money's worth — and a bit more in the way of extra service, helpful co-operation, and the financial reliability and security of the LARGEST AND OLDEST RADIO SUPPLY HOUSE IN THE WORLD.

Entire contents of this catalog copyrighted, 1936.

Wholesale Radio Service Co. Inc.

Printed in U. S. A.

IT TAKES

# Radio Perfection!

## RADIO SERVICE CO. INC.

### of Approval ON RADIO

### PROVEN

# RIBBON QUALITY

**Our Famous Guarantee Still Holds . . .**

**30 DAYS FREE TRIAL IN YOUR OWN HOME!**

**YEARS AGO** Wholesale Radio Service Co. Inc. issued its famous 30-DAY FREE TRIAL OFFER on LAFAYETTE radio receivers — the most liberal offer ever made by any manufacturer of radio sets! We said then — as we say NOW — that the only way to judge a radio set is to listen to its performance right in your own home, during good weather and bad weather, in day time hours and night time hours. That is how we ask you to judge LAFAYETTE! Put it through its paces! Listen to its full, rich, lifelike tone! Make it pull in distant stations or locals with the ease of a thoroughbred. Ask yourself, "Have I ever seen a better buy for the money than my LAFAYETTE?", and then decide to make your LAFAYETTE a faithful, dependable friend that will bring you years of trouble-free, economical entertainment.

Take a full 30 days to decide! Right in your own home! If for any reason you are not 100% satisfied and delighted, return your LAFAYETTE at any time within 30 days and your money will be promptly and cheerfully refunded! (Transportation charges excluded.)

## ONE GREAT ORGANIZATION 5 BIG BRANCHES—

.. to give you top-notch "blue ribbon" service

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## SIZE TO MAKE RAPID SERVICE POSSIBLE!

# 5 TUBE A.C. 2 BAND SUPERHET



*Lafayette*

Covers:

**Broadcasting**  
175 To 550 Meters  
**Short Waves**  
49 To 130 Meters

MODEL D13

**\$14.50**

- **Dynamic Speaker**
- **Pentode Output**
- **Airplane Dial**
- **High-Gain Tubes**
- **Has Full A.V.C.**
- **Modern Cabinet**

NEVER before has so fine a receiver incorporating so many outstanding features been offered at a price so amazingly low. It embodies developments found only in receivers selling at several times the cost, and is capable of results that will offer endless hours of pleasurable relaxation.

### IDEAL AS A "SECOND" SET

Because of its compactness, low cost and simplicity of installation and operation, it is admirably suited as a "second set" for the bedroom, den, kitchen, child's room, cellar recreation room, etc.

### AUTOMATIC VOLUME CONTROL

Five of the latest type, high-sensitivity tubes are employed in a modern superheterodyne circuit: a 6A7 serves as a detector-oscillator, a 6D6 as i.f. amplifier, a 75 as 2nd detector and automatic volume control tube, a 42 pentode power output amplifier and an 80-type full-wave rectifier.

### BROADCAST AND SHORT WAVES

A convenient knob on the front panel permits switching from standard broadcast stations to reception of short-wave stations operating between 49 and 130 meters: this includes European, amateur, police, aircraft and commercial short-wave stations. The broadcast band ranges from 175 to 550 meters and covers police and all standard American broadcast stations.

### ELECTRO-DYNAMIC SPEAKER

Complete enjoyment of the finest musical programs is assured by the use of a high-quality electro-dynamic speaker which covers the entire audio spectrum with amazing brilliance and fidelity. The housing is a handsomely polished cabinet, 14½" wide, 9" high and 8½" deep. With airplane dial.

**Model D-13** - Lafayette 5-tube, 2-band superheterodyne complete with all tubes and full instructions. For 110 volts, 50/60 cycles a.c. Code WAKEN. Shpg. wt. 20 lbs. List Price \$29.00 **\$14.50**  
YOUR COST

Add \$2.00 for 220-Volt a.c. Operation

*For the first time...* **A SUPERHET AT THIS LOW PRICE!**

## 4 TUBE A.C. with DYNAMIC SPEAKER

THIS amazing value is not to be confused with the ordinary 4-tube receiver which usually makes use of a tuned radio frequency circuit. This little wonder employs a real superheterodyne circuit just like the big fellow and, therefore, produces astounding results over the entire standard broadcast band which it covers from 175 to 550 meters.

### PENTODE POWER AMPLIFIER

It incorporates four of the latest type tubes and is so designed as to make full use of the sensitivity and quality these tubes have to offer. A 6A7 is used as a 1st detector-oscillator, a 6C6 2nd detector, a 42 pentode power output amplifier and an 80 full-wave rectifier.

### ELECTRO-DYNAMIC SPEAKER

In spite of its unusually low cost it employs a full electro-dynamic speaker which is capable of really fine quality. It is constructed under the latest acoustical developments and will fill a large room with brilliant reproduction.

### HANDSOME MODERN CABINET

Because of its attractive, polished cabinet, it can be placed anywhere in the home with full assurance that it will blend decoratively with any setting. Place it in a bookcase or spare nook (it only measures 11½" wide, 8½" high, 7" deep); get one or two for those extra rooms where the absence of a radio set has been felt.

### HAS LARGE VERNIER DIAL

Tuning is simplified by the use of a full-vision illuminated vernier dial attractively finished in green and black, and equipped with a brilliant pointer.

**Model D-10** - Lafayette 4-tube a.c. superheterodyne, complete with all tubes. For 110 volts, 50/60 cycles a.c. Code WABUS. Shpg. wt. 15 lbs. List Price \$21.90 **\$10.95**  
YOUR COST

Add \$1.50 for 220-Volt a.c. Operation



MODEL D10

**\$10.95**

*Lafayette*

- **Full Electro-Dynamic Speaker**
- **Two-Color Illuminated Dial**
- **Full Shielding-Metal Base**
- **Real Superhet Results**
- **Pentode Power Output Tube**

*Just the set for your extra room, bedroom, den, or kitchen. Fits anywhere.*

4 "Blue Ribbon" Products approved by Wholesale Radio Service Co., Inc.

# CHOICE OF POLICE OR S.W. BAND



## Lafayette 6 TUBE AC-DC SUPERHET

**B**EAUTY of appearance—ample power—exceptionally fine tone—two-band coverage—all these features and many more are yours when you own this Lafayette 6-tube a.c.-d.c. superhet. The unusually low prices at which these sets are offered are no indication of the quality inherent in these receivers. Try one in your home and convince yourself—our 30-day free-trial offer gives you 100% protection without obligation.

### COVERS TWO TUNING BANDS

Two models are available, each covering two tuning bands. The model J-43 covers the American broadcast and the police bands as follows: from 193 to 560 meters (1550-535 kc.), and from 77 to 188 meters (1.59-3.9 megacycles), bringing in police and amateur calls. The model J-44 incorporates a band from 17.6 to 51.8 meters (5.8-17 mc.) in place of the police band; this band brings in the popular European broadcast stations and numerous amateur calls. The band-switch is on the front panel.

### MODERN SUPERHET CIRCUIT

Six modern type tubes are used in the well-engineered superhet circuit as follows: 1-6A7 oscillator, 1-6D6 i.f. amplifier, 1-6C6 detector (model J-44 uses a 75 in place of the 6C6), 1-43 output tube, 1-25Z5 rectifier, and 1-849C metal tube ballast. No "hot" line cord. Set operates on 110 volts d.c. or a.c. (60 cycles).

### THREE COLORED GLASS DIAL

A three colored glass dial, illuminated from the edges, simplifies tuning and enhances the overall beauty. Each band is individually calibrated, and there is no crowding of the numerals—settings are easily legible.

The cabinet used to house these receivers is neat, attractive and durable. Selected hardwoods are blended in a finished design that cannot fail to please. All corners are rounded—all knobs matched—high polished finish.

MODEL J-43  
**\$13<sup>75</sup>**

**TWO-BAND COVERAGE  
MATCHED DYNAMIC  
SPEAKER  
3 COLORED GLASS DIAL**

**Model J-43**  
Lafayette 6-Tube Two-Band A.C.-D.C. Superhet. With Broadcast and Police bands. Complete with all tubes. For operation on 110 volts, a.c. or d.c. Size: 8 1/4" high, 13 1/8" wide, 7" deep. Shpg. wt. 16 lbs. Code, EBOLT. List Price **\$27.50**  
**YOUR COST \$13.75**

**Model J-44**—Lafayette 6-Tube Two-Band A.C.-D.C. Superhet, similar to above but with broadcast and short-wave bands. Shpg. wt. 16 lbs. Code, ECEVO. List Price **\$34.90**  
**YOUR COST \$17.45**  
FOR 220 VOLTS ADD 75c

# FOUR-COLOR ILLUMINATED DIAL

## In this Lafayette 5 TUBE AC-DC SUPERHET

**T**HIS new acquisition to the Lafayette line is "little" in price but "big" in performance. It incorporates features usually found only in sets selling at considerably higher prices. Glance at some of the outstanding features shown at the right below, then make comparisons—we're sure you will agree that this set is outstanding in price and ability.

### IDEAL SECONDARY RECEIVER

Compact construction, coupled with the fact that it operates on either 110 volts a.c. or d.c., makes this receiver ideally suited for use in the library, den, kitchen, sick-room, bed-room, etc., etc. It can easily be carried from place to place, and it is built to give lasting, trouble-free service.

### COVERS TWO TUNING BANDS

In addition to covering the standard American broadcast band from 174 to 550 meters (545-1725 kc.), the set covers the popular European broadcast band from 46.2 to 130 meters (2300-6500 kc.). As noted, the American broadcast range has been extended to enable reception of many of the popular police calls.

### USES LATEST TYPE TUBES

Five modern type tubes are used in the superhet circuit as follows: 1-6A7 oscillator, 1-6D6 i.f. amplifier, 1-76 detector, 1-25A7 power output tube and 1-874B metal ballast tube.

### FULL-VIEW ILLUMINATED DIAL

The full-view illuminated tuning dial is in four colors. Each band is individually calibrated, and the knife-edge pointer covers the entire scale. Station settings are not crowded—scale is easily readable.

The cabinet is attractively styled and beautifully constructed. Selected American hardwoods are used in a "contrast tone" pattern that cannot fail to satisfy the most critical taste.



MODEL EB-8  
**\$12<sup>95</sup>**

**TWO-BANDS  
Dynamic Speaker  
Vernier Tuning  
METAL BALLAST  
FULL-VIEW DIAL**

**Model EB-8**—Lafayette 5-Tube Two-Band A.C.-D.C. Superhet, complete with all tubes. For operation on 110 volts, a.c. or d.c. Dimensions: 11 1/4" wide, 7 1/4" high, 5 1/4" deep. Shpg. wt. 10 lbs. Code, TRATO. List Price **\$25.90**  
**YOUR COST \$12.95**  
FOR 220 VOLTS ADD 75c

# Lafayette 7 TUBE A.C. SUPERHET

## WITH FULL 3 BAND COVERAGE AND CATHODE RAY TUNING

**HAVE** you ever experienced the thrill of hearing foreign stations with ample volume? Have you ever "listened-in" on amateurs from all parts of the globe? Have you ever heard the popular American broadcast programs with such a degree of fidelity that you thought you were right in the studio? The answer to these questions is an emphatic YES, when you own one of these modern Lafayette 7-tube 3-band superhets. And most important, the prices are unbelievably low! You must hear these sets to appreciate the remarkable value—our thirty day free-trial offer is your guarantee of our sincerity and integrity.

### COMPLETE THREE-BAND COVERAGE

In addition to covering the standard American broadcast range, the Lafayette 7-tube a.c. superhet brings in police calls and amateurs on the intermediate band and European broadcast stations and amateurs on the short-wave band. The complete range, from 18 to 560 meters, is split up into three bands as follows: from 200 to 560 meters (536-1500 kc.); from 66 to 186 meters (1613-4545 kc.), bringing in police and amateur calls; from 18 to 50 meters (6000-16,666 kc.), bringing in the European broadcast stations and the numerous popular amateur stations.

### POWERFUL SUPERHET CIRCUIT

Seven tubes are employed in the powerful, sensitive and selective superheterodyne circuit. The tube types and their uses are: one 76 oscillator, one 6D6 first detector, one 6D6 i.f. amplifier, one 75 second detector and automatic volume control, one 42 power output tube, one 80 rectifier and one type 6G5 cathode ray tuning eye. Power output is more than sufficient for filling even the larger homes with clear-life-like tones. Sensitivity and selectivity characteristics are comparable with those of sets selling at much higher prices. Stations "come-in" all over the dial, and no matter how close together they are, they can easily be separated. A special heavy Jensen electro-dynamic speaker handles the entire set output (8" speaker in the console model, 6" speaker in mantel model).

### GIANT OVAL SHAPED FULL-VIEW DIAL

The large full-view dial, with its knife edge pointer and easily legible scales, makes tuning a simple process. Each of the three bands is individually calibrated in a different color—there is no crowding. No technical knowledge is necessary to correctly tune each station. A three-position band switch operated from the front panel selects the desired band.

MODEL D-30  
\$ **29**<sup>95</sup>

**Bands: 18 TO 50 METERS — 66 TO 186 METERS — 200 TO 560 METERS**

### CATHODE RAY TUNING EYE

A type 6G5 cathode ray tuning eye, conveniently located on the front panel, insures "hair-line" accuracy of tuning. All that is necessary, is that the station be tuned to that point on the dial where the shadow on the "eye" screen is narrowest.

### MANY OTHER FEATURES

Other features include: full-range tone control, powerful automatic volume control, three-gang tuning condenser, over-size components, etc.

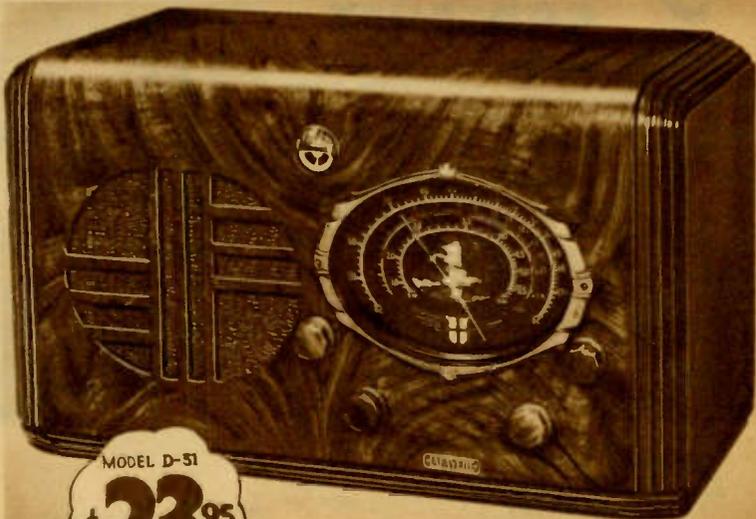
### CONSOLE OR MANTEL CABINETS

The Lafayette 7-tube a.c. superhet can be purchased in either console or mantel models. The console cabinet is constructed in the modern manner of selected walnut veneer in a beautiful design. Rounded corners, grained instrument panel, carved sides and bottom and straight-line grille fronting pillars combine to present pleasing finished appearance. The mantel model will grace any home. Used in the den, library or bedroom, it will blend harmoniously with the surroundings. American hardwoods (two-toned), rounded corners, attractive speaker grille and matched knobs complete a truly beautiful radio receiver.

**Model D-30**—Lafayette 7-Tube a.c. 3-Band Superhet. Complete with all tubes in console cabinet. For 110 volts, 50-60 cycles a.c. operation. Dimensions: 36½" high, 21½" wide, 11¾" deep. Shpg. wt. 72 lbs. Code WACKE. List Price \$59.90  
**YOUR COST \$29.95**

**Model D-31**—Lafayette 7-Tube 3-Band a.c. Superhet in mantel cabinet and complete with tubes. For 110 volts, 50-60 cycles a.c. Size: 11" high, 19" wide, 8¾" deep. Shpg. wt. 30 lbs. Code WALLA.  
List Price \$47.90  
**YOUR COST \$23.95**

Either Model—for 220-volt operation, add \$2.00.



MODEL D-31  
\$ **23**<sup>95</sup>

The beautiful mantel model D-31, illustrated above, is ideally suited for use as a secondary receiver in the den, library, bedroom, kitchen, etc. Its performance will thrill you.

6 "Blue Ribbon" Products approved by Wholesale Radio Service Co., Inc.

# Lafayette 6 TUBE AC-DC 3 Band Superhet

THE simple but striking appearance of the Lafayette Model A-22 catches everyone's eyes. Modernistic but not "tricky" in design, it is the kind of set that fits well in practically any home. The fine walnut veneer cabinet, the flashing chrome-framed dial, the decorative loud speaker grille—all contribute to the beauty and attractiveness of this fine Lafayette product.

## EXCELLENT CIRCUIT

The handsome external appearance is matched by internal technical perfection. The sensitive, selective superhet circuit uses 1-6A7, 1-7B, 1-7S, 1-25Z5, 1-43 and 1-L-49B and boasts such features as automatic volume control, six tuned circuits, 3-gang condenser, 6 1/2" full voiced dynamic speaker, easy-to-read dial with smooth reduction drive, and phono jack—the last a great convenience for owners of turntables and high quality records.

## WIDE TUNING RANGE

The Model A-22 covers three intensely interesting wave bands: 18-50, 75-200 and 200-550 meters. No matter where you are or when you listen, the A-22 will always provide radio pleasure. Amateurs talking to each other across continents and oceans, airplanes and airports, foreign broadcasters, police stations, as well as all domestic broadcasters, are always at your fingertips.

## PLUG IN THIS RECEIVER ANYWHERE!

The a.c.-d.c. feature of the Model A-22 makes this set a truly universal one. It works on 110 to 125 volts, and is easily made to work on 220 volts with the aid of a simple adapter.

## EUROPEAN MODEL HAS LONG WAVE BAND

Matching the Model A-22 in all respects, but with coverage of 18-50, 200-550 and 850-2000 meters, the Model A-26 will appeal to residents of Europe and nearby countries. With this set, reception of American short-wave and amateur stations on the Continent is easy and reliable. The a.c.-d.c. feature is of particular importance, as there is no widespread standardization of power in Europe, and there is in the United States.



MODEL A-22

\$19<sup>95</sup>

Choice of  
Domestic or  
European  
Models

Model A-22 - Lafayette 6 tube a.c.-d.c. superhet. for 110-125 volts, 40-60 cycles. Complete with tubes. 18-50, 75-200, 200-550 meters. Size: 18 1/2" wide x 9" high x 8" deep. Shpg. wt. 21 lbs. Code WURKA

List Price \$39.90 YOUR COST \$19.95

Model A-26 - Lafayette 6 tube a.c.-d.c. superhet. Complete with tubes. European model, same as above but tunes 18-50, 200-550 and 850-2000 meters. Shpg. wt. 21 lbs. Code WILBA. List Price \$43.00 YOUR COST \$21.50

For 220 volt operation, add 75c



MODEL D-20

\$19<sup>95</sup>

THE new oval-shaped type illuminated dial, so popular this season, is used to advantage in the Lafayette Model D-20 to control a superheterodyne of unusually fine design and capabilities. Six tubes in a full-powered a.c. circuit give the set high sensitivity, to pull in both distant and nearby stations; sharp selectivity, to keep adjacent signals well separated and free of interference; and strong output, to fill the room with clear, crisp voice and music.

In appearance, too, the D-20 leaves little to be desired. The highly polished walnut veneer cabinet, with its curved, upward sweep and simple, clean-cut lines, is a real piece of furniture that will add a cheerful and decorative touch to the living room, office, boudoir, library, or other room where it is used. It radiates quality and good taste.

Tube line-up of Model D-20: 76 oscillator, 6D6 1st detector, 6D6 i.f., 75 2nd detector-a.v.c., 42 power output and 80 rectifier. Automatic volume control (a.v.c.) reduces fading, eliminates "blasting"

# Lafayette 6 TUBE AC Superhet 3 Bands

Broadcast Band:  
200-560 Meters

"Ham" and Police:  
66-187 Meters

Foreign Band:  
18-50 Meters

A twist of the wave-changing knob on the front panel opens almost the whole world of radio to you. When there is nothing on the 200-560 meter broadcast band to interest you, try the 66-187 meter channel. Here you will find literally thousands of amateur ("ham") and police stations, whose conversations and special transmissions are a welcome relief from the formality of regular studio broadcasting.

## BRINGS IN EUROPE

On the lowest band, 18-50 meters, you will be astonished by the strength and clarity of European and Central and South American "short-wavers". On 20 meters, you will hear amateurs accomplishing extraordinary "DX" communication.

Model D-20 - Lafayette 6 tube a.c. 3 band superheterodyne, complete with tubes. For 110 volts, 50-60 cycles a.c. Size: 18 1/2" wide x 10 1/2" high x 8" deep. Shpg. wt. 28 lbs. Code WELCE

List Price \$39.90 YOUR COST \$19.95

For 220 volt operation, add \$2.00

"Blue Ribbon" Products approved by Wholesale Radio Service Co., Inc. 7

# 8 TUBE CUSTOM-BUILT Lafayette WITH NEW EXCLUSIVE

**Dynamic Speaker  
Micrometer Tuning  
Employs Diode A.V.C.  
Rubber Cushion Mount  
High-Fidelity Switch  
Cadmium Plated  
Chassis**

ENLARGED PORTION OF DIAL



THE TRAVELING LIGHT SPOT IS YOUR STATION INDICATOR



MODEL B-81

**\$38<sup>75</sup>**

- Continuous Tuning 16.4 to 568 Meters
- Uses All-Metal Tubes

HERE is a receiver that is indeed a masterpiece of construction. All the cardinal features sought by the radio purchaser are represented to the highest degree—precision electrical and mechanical design—guaranteed world-wide reception—tonal quality with stirring fidelity—more than enough power for the average home—beauty of cabinet that will grace the finest home—long-life, trouble-free operation.

Three extended wave bands are covered including, first, the 5,750 to 18,300 kilocycle (16.4 to 52.2 meters) band for foreign broadcast daytime reception; the second, the 1,715 to 5,800 kc., (51.8 to 175 meters) band and third, the 528 to 1,730 kc., (173 to 568 meters) band. These three bands offer NO-SKIP reception of foreign and domestic, police, amateur, air-craft, commercial and American broadcasts.

It incorporates an ultra-sensitive superheterodyne circuit which employs eight of the latest type tubes; three 6K7's—an r.f. amplifier, converter and i.f. amplifier, a 6C5 oscillator, a 6Q7 audio and a.v.c diode and audio amplifier, a 6F6 audio power amplifier, a 6E5 cathode-ray tube and a 5Z4MG full-wave rectifier.

### MICROMETER TUNING INDICATOR

Station frequencies are accurately calibrated in three band colors and the setting of the tone and volume controls is indicated on the large, beautiful "Miracle Mirror" dial. Accurate logging of short-wave stations is assured through the use of an accessory (micrometer) pointer having a ratio of 16:1 with relation to the regular station indicator. Greater ease of dialing is attained through a new planetary drive which automatically changes from a normal ratio of 8:1 to a slow ratio of 40 to 1 when direction of dial rotation is reversed, thus enabling a vernier action when tuning.

### tone EXPANDER AND CONTROL

A complete graduation of tone from low bass to brilliant highs is enabled through a full range tone control. In the extended treble position a high-fidelity switch spreads the selectivity of the intermediate frequency circuits, allowing the passage of high frequency notes and eliminating side-band cutting.

### AUTOMATIC BASS COMPENSATION

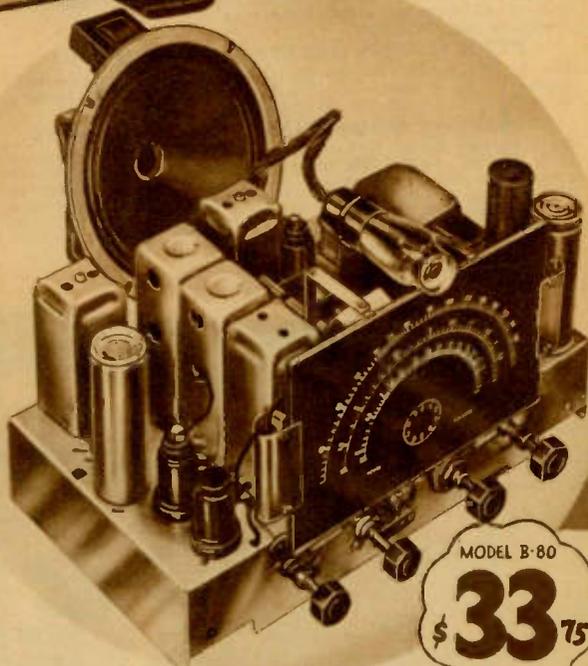
A compensating circuit is used to automatically increase high and low frequency response at reduced volume. Automatic volume control assures steady volume of reception and easy tuning and further eliminates blasting effect when tuning.

### IMPROVED ELECTRO-DYNAMIC SPEAKER

Assures maximum fidelity of tone at both high and low ranges. A full 8" model of the most modern design assures the utmost in brilliant, life-like reproduction. Undistorted output is 3 watts, assuring a reserve volume considerably in excess of home needs.

### HAND-RUBBED WALNUT CABINET

The mantel type receiver, Model B-81, illustrated above, is housed in an exquisitely finished cabinet of modern design which measures 23 $\frac{3}{4}$ " wide, 13 $\frac{3}{8}$ " high and 10 $\frac{3}{4}$ " deep. Power consumption is 75 watts at 115 volt.



MODEL B-80

**\$33<sup>75</sup>**

### Chassis - - Speaker Available Separately

For those who desire to retain the cabinet they now have, we have made available the complete chassis and speaker, shown above. These units may be installed in your old cabinet, or a new one.

### A PROFIT-MAKER FOR SERVICEMEN

Servicemen will find this an extremely profitable item; literally thousands of receivers are hopelessly obsolete and their owners ready for a change. Install this chassis in their present cabinets; it is well sized to fit all but unusually small consoles.

### MANTEL CABINET MODEL

**Model B-81**—Lafayette 8-Tube, 3-Band mantel receiver. For 95-130 volts, 50/60 cycle a.c. operation. Complete with all tubes. Code BINES. Shpg. wt. 42 lbs.

List Price **\$77.50** **\$38.75**  
YOUR COST

### CHASSIS AND SPEAKER ONLY

**Model B-80**—Lafayette 8-Tube, 3-Band chassis and speaker. For 95-130 volts, 50/60 cycles, a.c. Complete with all tubes. Is 13 $\frac{3}{8}$ " wide, 10 $\frac{3}{4}$ " high, 9 $\frac{1}{2}$ " deep. Code BRAVE. Shpg. wt. 32 lbs.

List Price **\$67.50** **\$33.75**  
YOUR COST

Above models available for 220-volt a.c. operation. \$2.00 additional.

Blue Ribbon Products approved by Wholesale Radio Service Co., Inc.

# ALL-WAVE <sup>3 Band</sup> SUPERHET MIRROR DIAL AND CATHODE RAY TUNING

**Peerless Performance — —  
— — Outstanding Beauty**

NEVER before has so much radio value been offered for so little money! This beautiful console cabinet houses the same chassis and speaker described on the preceding page and is an exquisite example of modern design. It stands fully 38 inches high, is finished in walnut veneer and hand-rubbed to a brilliant mirror-like surface—to match its "Miracle Mirror" Dial. It must be seen to be fully appreciated—and heard to realize its superior technical construction.

#### HAS REMARKABLE SENSITIVITY

Its sensitivity to pick up weak and distant stations is extraordinary. In the language of the radio engineer, it is rated at from 1/2 microvolt absolute (per 4 meters) on the standard wave band to 4 microvolts absolute on the foreign short wave band.

#### MAXIMUM SELECTIVITY ON ALL BANDS

The selectivity is ample for separation of all stations under normal broadcast conditions, being rated at 28 kc., broad at one thousand times down. This indicates non-interference of signals of a field strength ratio of anything less than 1000 to 1 at 14 kc. separation. Image discrimination ratio on standard wave band is from 48,000 to 3,700. These specifications represent technical "figures of merit" which describe, mathematically, the ease with which stations can be separated. The figures given above indicate an amazing degree of efficiency both for sensitivity and selectivity.

#### A UNIQUE DIAL FOR DX FANS

The "Miracle Mirror" dial incorporated in this receiver embodies an exclusive feature which is a boon to the short-wave distance fan. It has a new type of planetary drive which automatically changes from a normal vernier ratio of 8 to 1 when tuning in one direction to a hair-splitting ratio of 40 to 1 when the dial rotation is reversed. This means that when tuning for stations, should one be passed, upon reversing the dial motion to hunt it, the rate of rotation AUTOMATICALLY CHANGES to an extremely slow motion so that any station, no matter how hair-edged the tuning, can be found.

#### FULL 8" DYNAMIC SPEAKER

Its faithfulness of reproduction will amaze and thrill you. Its rating of from 80 to 5,500 cycles per second within 6 db, is your technical guarantee of innumerable hours of glorious tone quality delivered to suit YOUR personal taste.

#### WIDE RANGE POWER TRANSFORMER

No longer need you worry about the consistency of your power supply and the possible effect of voltage variation on the quality of reception. The power transformer employed in this receiver is designed to assure proper functioning on any voltage BETWEEN 95 AND 130 VOLTS WITHOUT ADJUSTMENT. The entire receiver consumes only 75 watts of energy at 115 volts.

#### RUBBER CUSHION MOUNTED CHASSIS

Tone distortion and chassis vibration, so annoying when one is attempting to tune in a weak station, are completely eliminated by floating the chassis on four rubber cushions, and the three-gang tuning condenser on three rubber cushions.

- 8" Electro-Symphonic Speaker
- Guaranteed World-Wide Reception
- Includes New All-Metal Tubes
- Employs Three-Gang Condenser
- Full Automatic Volume Control
- New Tone Expander and Control



*Console Model*

MODEL B-82

\$47<sup>50</sup>

**Custom-Built Quality  
Laboratory Precision  
Cathode Ray Visual Tuning**

THE inclusion of the new 6E5 cathode ray tuning "eye" assures perfect tuning and consequently, less noise, minimum interference and full-rounded tone. Its operation is extremely simple—the tuning dial is adjusted until the "eye" literally blinks shut; at this point you are precisely tuned to the station. There is no painful groping or guesswork. Anyone in the family can now tune in a station and be assured at all times of perfect, interference-free reproduction.

#### BUILT FOR LONG, TROUBLE-FREE LIFE

Nothing has been spared to make this as fine a receiver as the modern radio laboratory can produce. Uniformly high quality and stability of operation are assured by the application of research precision to production. All components have very close tolerances, broad safety factors and passed through practically continuous testing. Design, materials and workmanship are such as to promise innumerable hours of thrilling performance with freedom from technical difficulties.

#### FEATURES HIGH-FIDELITY CONTROL

In the extended treble position a high-fidelity switch spreads the selectivity of the intermediate frequency circuits, thus allowing the passage of high frequency notes which are cut out with the switch in the "selective" position. This latter position is employed when extreme selectivity is desired, as when distance hunting where quality is not a prime factor. In addition to this feature, a wide range tone control is also included so as to permit any possible tone coloration you may desire.

**Further Technical Details Are  
Found on the Preceding Page**

#### EYE-ARRESTING WALNUT CABINET

The above illustration gives only the photographer's view of this stunning console. Its sides are finished in solid walnut veneer with a beautiful, contrasting, rounded front of buff walnut. Charm and dignity are found in its imposing modern lines, and its brilliant, hand-rubbed piano finish heightens its beauty immeasurably. Overall dimensions are 22 3/4" wide, 38 3/4" high and 10 3/4" deep. The speaker baffle board is fully 21" high and 17" wide.

#### MIRRORED GLASS DIAL

A fitting match for this console is found in the new "Miracle Mirror" Dial. It incorporates soft, edge lighting for overall illumination, and for a pointer, ingeniously makes use of a traveling light spot as described and illustrated on the preceding page. Four control knobs are finished in two-tone walnut and blend perfectly with the lines and coloration of the console.

#### CONSOLE PRICE

Model B-82 - Lafayette 8-Tube, 3-Band console receiver, complete with all tubes. For 95/130 volts, 50/60 cycles, a.c. operation. Code BLIRE. Shpg. wt. 66 lbs.

List Price . . . . . \$95.00  
YOUR COST . . . . . \$47.50  
For 220-volt a.c. operation, \$2.00 additional.

**"Blue Ribbon" Products approved by Wholesale Radio Service Co., Inc.**

# Lafayette ALL WAVE Superhet

**ELEVEN**

*Newest Type*

**TUBES**

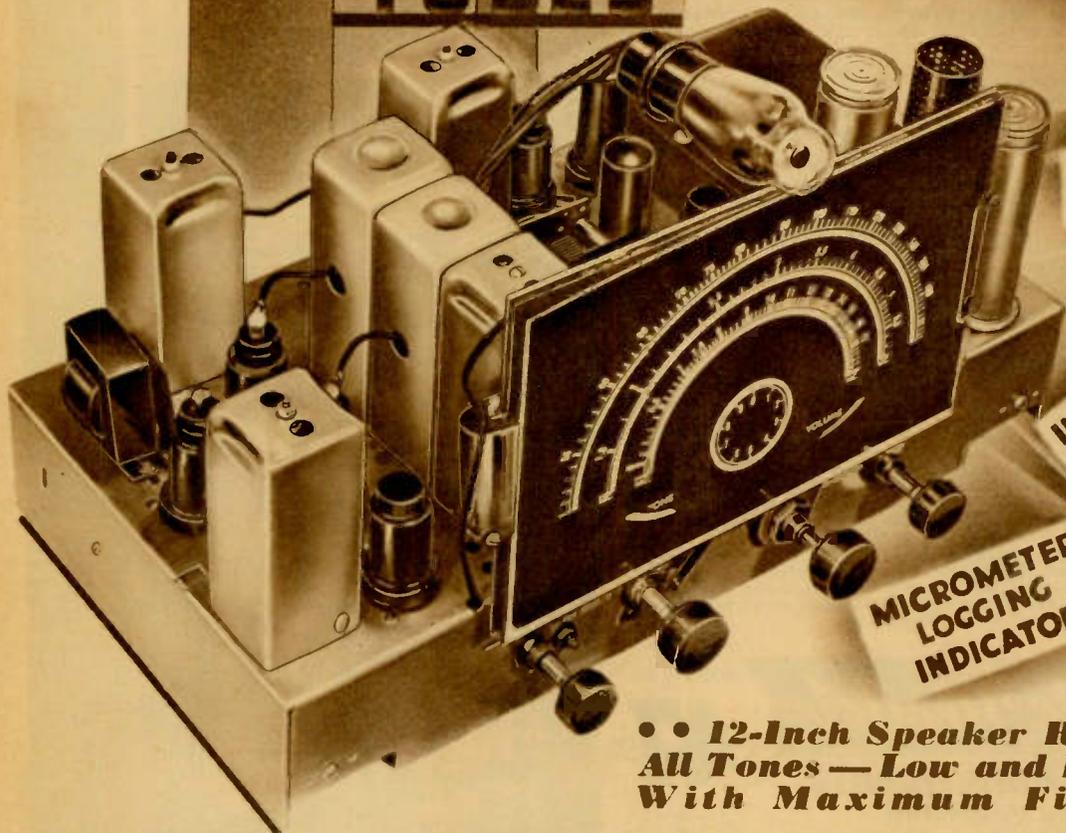
**AUTOMATIC  
BASS  
COMPENSATION**

**EIGHT WATT  
UNDISTORTED  
OUTPUT**

**CATHODE  
RAY EYE**

**IMPROVED  
DYNAMIC  
SPEAKER**

**MICROMETER  
LOGGING  
INDICATOR**



**• • 12-Inch Speaker Renders All Tones — Low and High — With Maximum Fidelity**

**T**HE new Lafayette 11-tube superheterodyne is a pleasure both to hear and to behold. The giant 12-inch dynamic speaker, of a type previously used only in high-priced sound systems, brings auditorium quality to the home. The new 9-inch "Miracle Mirror" dial, a Lafayette development, has the unique "spotlight" indicator (pictured on page 8) that makes station-tuning highly interesting and easy. Add to these features the convenience of the automatic dual ratio tuning knob, which shifts from normal 8-to-1 drive to slow 50-to-1 drive **BY ITSELF**, and you know why this Lafayette receiver is already a leader in its field.

#### **MICROMETER LOGGING INDICATOR**

The three scales in the brilliant "Miracle Mirror" are calibrated directly in megacycles to make station-finding simple, and further accuracy is obtained through the use of a micrometer light pointer having a 16-to-1 ratio in relation to the regular station indicator. This micrometer is the small circle in the center of the dial. Tuning in domestic and foreign stations on its wide wavelength range is a new experience—something to tell your friends about. The "Miracle Mirror" is really fascinating—it recaptures for the listener the thrills of early broadcasting.

#### **CONTINUOUS S. W. COVERAGE**

Certainly the owner of this set will never have a dull moment. Three extended ranges are covered: 16.4 to 52.2 meters, for foreign broadcast and domestic daytime reception on the short waves;

51.8 to 175 meters, for intermediate short wave, amateur and police stations; and 173 to 568 meters, for general domestic broadcasting.

Whenever the broadcast band holds nothing of particular interest, the short-wave channels will always produce a domestic or foreign signal worth hearing. "DX" hunting assumes a new and important value with this super-sensitive receiver!

#### **A.V.C. SYSTEM PREVENTS BLASTING**

Unusually clear reproduction at either high or low volume is assured by a finely engineered push-pull audio circuit, with full eight watts output. Tone fidelity is particularly good; tell a radio engineer that its response is flat within six decibels from 40 to 6,500 cycles and he'll say, "That's an excellent receiver." Latest type automatic volume control keeps signals steady and prevents blasting effect when tuning from weak to strong stations, and also protects the audio tubes from overloads, thus increasing their life.

**Model B-87**—Lafayette 11-tube a.c. superhet chassis, complete with tubes and 12" dynamic speaker. For 95-130 volts, 50-60 cycles a.c. Dimensions: 16½" wide x 9¾" high x 10½" deep. Shpg. wt. 41 lbs. Code WREMO

List Price **\$91.50**

YOUR COST

**\$45.75**

Above available for 220 Volts at \$3.00 additional

10

# Automatic DUAL RATIO Tuning



*The*  
**MIRACLE MIRROR**  
*Dial*  
 Special Spelling

**9 Inches  
 In Diameter  
 Edge Lighted**

**TONE EXPANDER AND CONTROL**

A full range tone control, operating in the audio circuit, enables the owner to adjust the reproduction to suit his own tastes and the acoustical characteristics of the room. In the extended treble position a special high fidelity switch "opens up" the intermediate frequency circuits, allowing the passage of high frequency tones. An automatic compensating circuit increases the high and low frequency response at low volume levels.

**"EYE" HELPS ELIMINATE TUNING NOISE**  
 A latest type cathode ray tuning eye, mounted just above the edge of the "Miracle Mirror", allows accurate visual tuning. The user can turn down the volume control and tune for a station by watching the "eye" alone.

Rubber cushions on both the chassis frame and the three-gang tuning condenser completely do away with tone distortion due to chassis vibration. This provision is of particular importance in a powerful receiver such as this.

**POWERFUL SUPERHETERODYNE**

The following tube line-up gives the 11 tube superhet tremendous power, sensitivity and selectivity; four 6B7's, as r.f. amplifier, converter, first and second i.f. amplifiers; three 6C5's, as oscillator, audio and a.v.c. diode and audio amplifier; two 6F6's as push-pull audio amplifiers; one 5Z4 rectifier; and one 6G5 tuning indicator.

**MASSIVE CONSOLE CABINET**

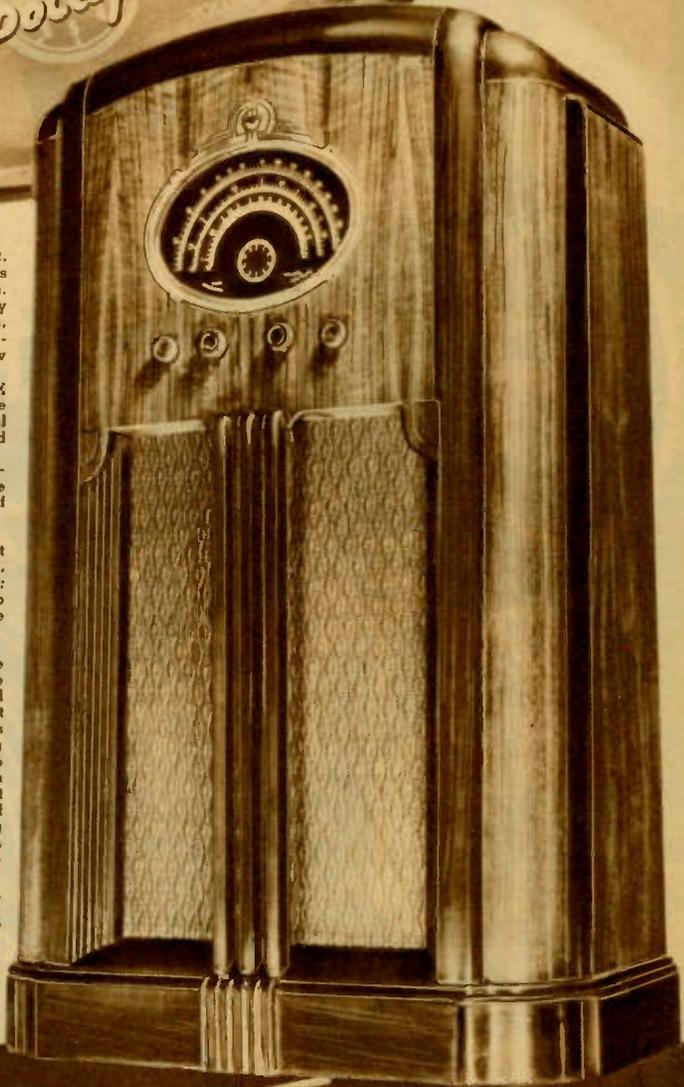
People who are looking for a fine new receiver to replace an obsolete one can do nothing better than to consider the massive, magnificent console, shown at the right, selected by Lafayette's style experts. In eye-opening beauty it fully matches the technical perfection of the chassis. Its curved top, broad, heavy base and its simple, arresting lines bespeak quality and good taste. Here is a radio receiver that will earn a place in the living room as a permanent piece of furniture, as a musical instrument capable of endless hours of joy and entertainment. Of magnificent, hand rubbed walnut veneer, providing enough baffle area for beautiful bass note rendition. A truly stunning console, at a price that represents a marvelous value.

**Model B-88**—Lafayette 11-tube a.c. superhet, console style, complete with tubes and 12" dynamic speaker. For 95-130 volts, 50-60 cycles a.c. Dimensions: 26" wide x 41½" high x 14" deep. Shpg. wt. 86 lbs. Code **WRIST**.

List Price ..... \$127.90 **\$63.95**

**YOUR COST**

Add \$3.00 to above for 220-Volt Operation



**CUSTOM BUILT** *Throughout* 11

# Lafayette

## CUSTOM BUILT

Throughout

**L**UCKY indeed is the person who decides to buy one of the new Lafayette 13 tube all wave superheterodynes. Using two 12 inch dynamic speakers and two of the new 6L6 "beam power" audio output tubes, the tremendous output of TWENTY WATTS is realized. While this is enough to fill a large theatre with clear voice and music, its real value to the home is its ability to reproduce any kind of broadcast entertainment with the full-bodied tone and roundness that makes listeners believe they really are in the studio. The feeling of unlimited reserve power is evident from the instant the set warms up; five minutes at the "Miracle Mirror" dial and you will be experiencing a new conception of radio reception. And everything is under perfect control, with no blasting and no sudden bursts of sound from the loud speakers. A special automatic volume control "retarder" takes care of that!

**13 Tube**

**12 INCH**

### 9-INCH "MIRACLE MIRROR" DIAL

The 9 inch "Miracle Mirror" dial, with the traveling spotlight indicator (see page 8 for enlarged view of this innovation) is uniformly illuminated by a new edge method. Station frequencies are accurately calibrated in megacycles figures, and an auxiliary micrometer logging indicator further simplifies the recording of settings for important domestic and foreign stations. This indicator has a 16-to-1 ratio to the main spotlight indicator, making for quick and easy "logging".

The automatic dual ratio tuning knob, with special planetary drive, will be a welcome and pleasant surprise to people accustomed to tricky "verniers". Turn the knob in one direction and it has a normal ratio of 8-to-1. If you hear a weak "peep" and you think you have passed a distant station, simply turn the knob the other way, without changing the position of your fingers. Magically, the drive ratio has increased to 40-to-1, and if the station is there you will be able to tune it in quickly and accurately.

### ONLY FOUR KNOBS ON PANEL

Only four knobs control this high powered receiver: one for tuning, another for manual volume control, a third for tone control and tone expander, and the last for wave switching. The spotlight indicator appears only on the dial scale represented by the position of the wave switch. The on-off switch is assembled on the back of the volume control, and snaps to the "off" position when the knob is turned all the way to the left. Power consumption from the a.c. line is 170 watts. The chassis is well ventilated and the set can be kept in operation over long periods.



The **MIRACLE MIRROR DIAL**  
WITH **SPOTLIGHT INDICATOR**

**Splendid 13-Tube  
Twin-Speaker Console**

**AUTOMATIC  
Dual Ratio  
TUNING**

The breathless beauty of the 13-tube console, illustrated below, cannot adequately be described. Of unusually massive construction, it supports the heavy chassis and the twin 12-inch dynamic speakers safely and easily, and provides a huge baffle area. The specially selected walnut veneer, the burl walnut front panel, with its beautifully figured grain, does not fail to excite "oohs" and "ahs" from people who see it.

**RICHLY COLORED GRILLE**  
The richly colored brocaded grille effectively conceals the two loud speakers, without in the slightest way affecting their naturalness of reproduction. Three vertical bars, rising to meet the instrument panel, lend a touch of strength and dignity.

The cathode ray tuning eye, so helpful in tuning-in stations without noise, is part of the dial escutcheon, and is readily observed by the person operating the tuning knob. The brilliance of the "Miracle Mirror" dial is enhanced by the piano like finish of the cabinet itself.

**Model B-98** — Lafayette 13-tube a.c. superhet, console style as illustrated below, complete with tubes and two 12" dynamic speakers. For 95-130 volts, 50-60 cycles a.c. Dimensions: 48" high x 26½" wide x 12¾" deep. Shpg. wt. 106 lbs. Code WERRO.  
List Price . . . \$159.00

**YOUR COST . . . . . \$79.50**  
Available for 220 volts at \$3.00 additional.

**THREE FULL TUNING BANDS**

Three wavelength bands, quickly selected by a turn of the band switch on the front panel, cover the most active and interesting parts of the radio spectrum. The first range, 173 to 568 meters, takes in all domestic broadcasting, including the new high-fidelity stations now operating just below the former limit of the broadcast channel. The second range tunes from 51.8 to 175 meters, and yields innumerable police alarm stations, amateurs, airplane and airport stations, etc. The 75-meter amateur band in particular is always full of surprises, and the chatter of the "hams" is frequently more entertaining than regular broadcasting.

**RELIABLE FOREIGN RECEPTION**

The third band, covering 16.4 to 52.2 meters, brings in foreign short-wave broadcasting, distant amateurs, transoceanic telephones and hundreds of experimental stations, mostly during daylight hours. London, Paris, Berlin, Rome, Geneva and other cities will come in with startling volume — at times much better than many nearby domestic stations. On the 20-meter amateur band, conversations between "hams" thousands of miles apart will leave you speechless with amazement. At night the 49-meter international broadcasting band is literally jammed with stations.

**EXTRAORDINARY SENSITIVITY**

The ability of the Lafayette 13-tube receiver to pick up weak and distant stations is nothing short of extraordinary. In technical terms, it is rated at better than one microvolt absolute **ON ANY OF THE THREE BANDS**. In a normal location, this means that the set will pull in practically everything in the air; the owner will probably never be able to exhaust its full possibilities as far as DX (distance) reception is concerned.

The selectivity has been kept high, to match the unprecedented sensitivity. It is ample for separation of all stations under average conditions, being rated at 18 kc. broad at 1,000 times down. In non-technical language it means simply that you can enjoy radio reception free of interference.

Fidelity is also of a high order, being flat within six decibels from 30 to 8000 cycles.

**AUTOMATIC BASS COMPENSATION**

Full, natural quality of reproduction is retained at low volume by an automatic compensating circuit.

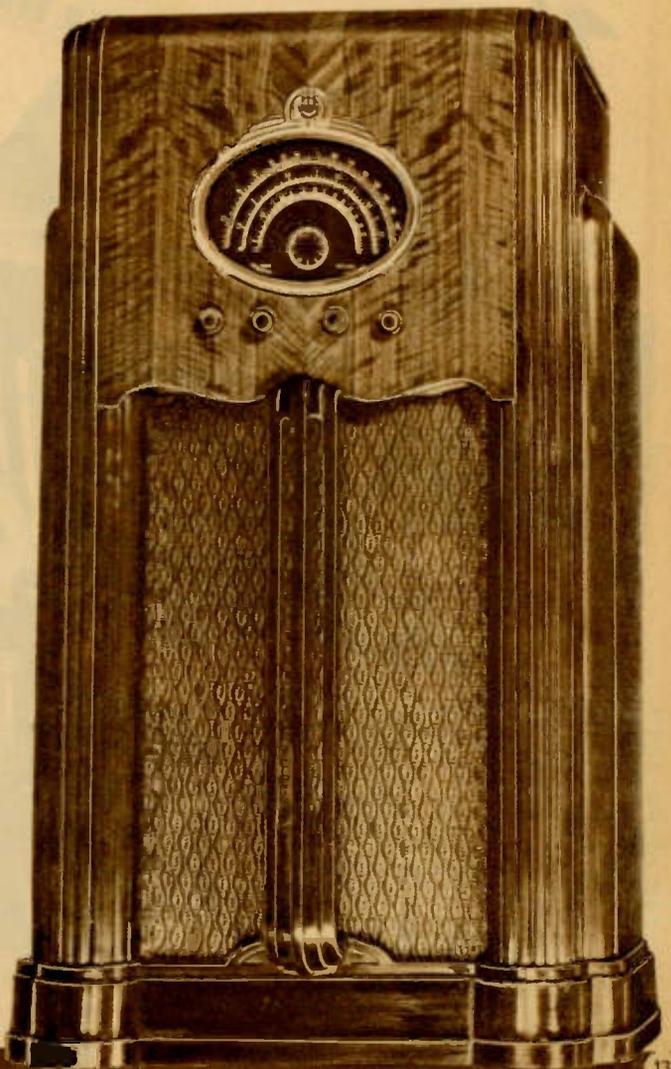
Power transformer trouble is a thing of the past with this receiver. The transformer provided works on any voltage between 95 and 130, without adjustment.

Tube line as follows: four 6K7's, as r.f. amplifier, converter, first and second i.f. amplifiers, three 6C5's as oscillator, a.v.c. retarder and audio amplifier, one 6H6 audio and a.v.c. diode, two 6L6 audio power amplifiers, two 5Z4 rectifiers, and one 6G5 tuning indicator.

**Model B-97** — Lafayette 13-tube a.c. superhet chassis, complete with tubes and two 12" dynamic speakers. For 95-130 volts, 50-60 cycles. Dimensions: 20¼" wide x 9¾" high x 12" deep. Shpg. wt. 68 lbs. Code WAINE.  
List Price . . . . . \$119.00

**YOUR COST . . . . . \$59.50**

Available for 220 volts at \$3.00 additional.



**CONTINUOUS WAVE Superhet**

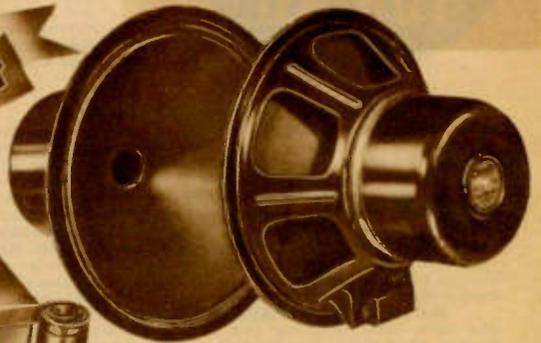
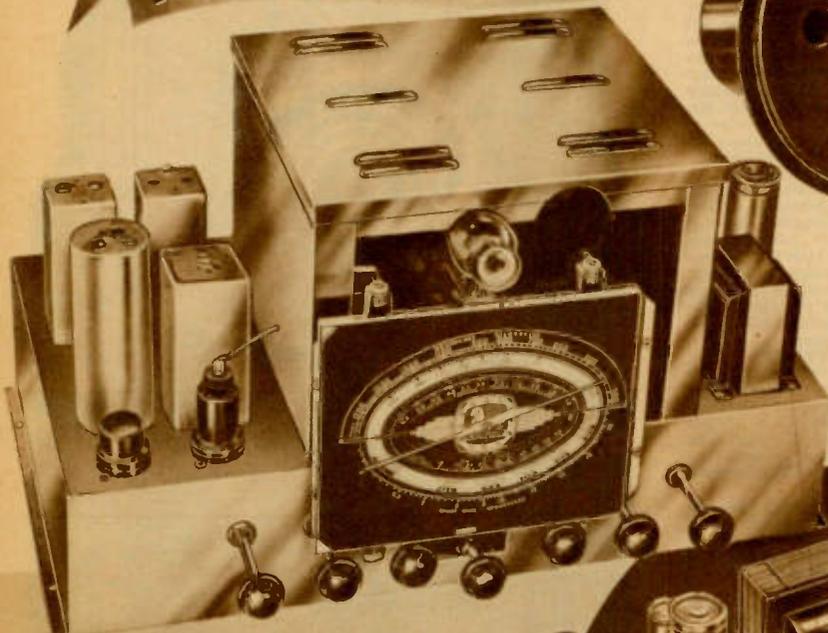
# RADIO'S MIGHTIEST VOICE

## Lafayette's MASTER ACHIEVEMENT

Tube

- 5 to 2060 Meters
- Uses FOUR New Beam Type 6L6 Metal Tubes
- Two Power Rectifiers
- Separate A.V.C. System
- All-Band R.F. Stage
- Diode Detection
- Separate Bass Boosting Amplifier Stage
- Auto-Tone Control
- Noise Suppression
- Iron-Core I.F.'s
- Beat Oscillator
- Full 60-Watt Output
- High-Fidelity Switch in the I.F. Circuits

HIGH FIDELITY SUPER HET



### Price of Separate Chassis and Speakers

**Model C-70** — Lafayette 24-tube all-wave superheterodyne, complete with all tubes, two 12" (8" deep) auditorium type speakers and instructions. Tuner is 20½" wide, 11¾" high, 14½" deep; pack, 19½x8½x8½". Wt. 154 lbs. Code GIRAS. 105-250 volts, 50/60 cycles a.c. List Price..... **\$270.00**

YOUR COST..... **\$135.00**

**LAFAYETTE** presents the peer of all radio receivers for the discriminating purchaser who desires to possess and enjoy the finest custom-built instrument available today.

It incorporates every modern development known in the field of radio science. Each part is hand-assembled in the laboratory and the complete unit custom-built to conform to the highest standards in the industry.

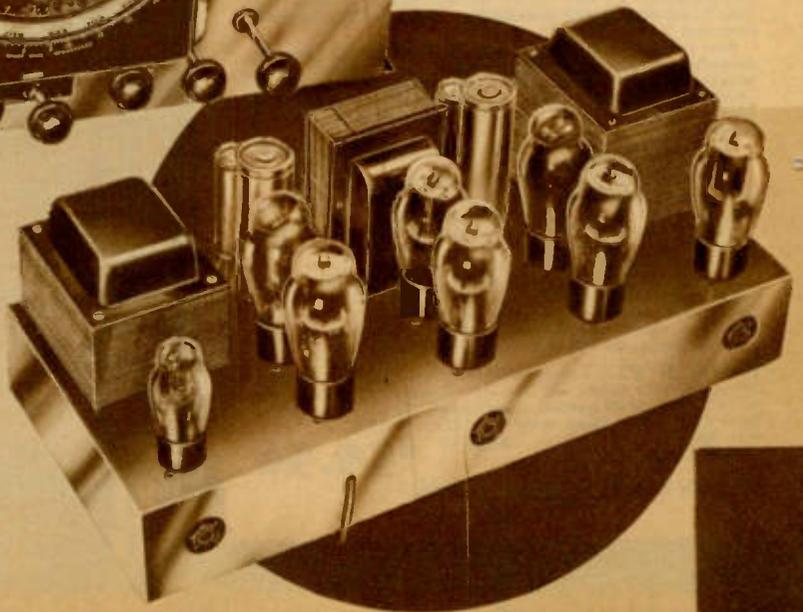
#### FEATURES 2-DECK DESIGN

Efficiency and flexibility are considerably increased by the use of 2-deck construction. The audio amplifier and power supply are incorporated on one chassis, while the entire r.f. assembly is on another. Both chassis are heavily plated with gleaming copper.

#### EMPLOYS TWO SPEAKERS

Two massive, 12" high-fidelity, auditorium-type, electro-dynamic speakers are used in order to do justice to the relatively enormous output of 60 WATTS OF UNDISTORTED ENERGY. This power is more than ample for schools, auditoriums, assemblies, outdoor gatherings and similar requirements, as well as in the home for which it is primarily designed.

(Continued on the next page)



# STREAMLINED Style

## 24 tube CONSOLE

**A** LIST of the technical features of this receiver reads like an amazing account of the radio set of the future. Outstanding among them are:

### ALL-WAVE RECEPTION

Practically every wave band in use today for broadcasting, as well as police, amateur, aircraft, ship and commercial short-wave broadcasts, is covered by this receiver in five tuning bands: 5-16.6 meters, 16.6-50 meters, 60-188 meters, 188-545 meters and 900-2000 meters. This includes European long waves.

### NEW FREQUENCY CONTROL

A modern superheterodyne circuit, which employs several self-acting robot-like devices, uses the following tubes: 4-6L6's, 2-5X4G's, 1-6X5G, 7-6K7's, 1-8L7, 2-6A6's, 3-6C5's, 1-6J7, 1-6R7. Automatic frequency control is used to "pull" a station precisely into line; no longer need you worry as to whether the station is exactly tuned in.

### "MAGIC EYE" TUNING

The eye of this tube literally blinks at you when the station is tuned in exactly; this means that you hear the full rounded tones minus background noises and interference.

### NOISE SUPPRESSION

Is automatic and eliminates the old annoyance of interstation noise when tuning from one station to another. Another automatic "robot" provides automatic tone control so that all the notes of every instrument in an orchestra are heard by you, and are not "lost."

### HIGH-FIDELITY I. F.'S

The new Prizmatone high-fidelity switch in the i.f. circuit permits the passage of all frequencies for full tonal appreciation where selectivity is not highly essential. The i.f. transformers are of the iron-core type for maximum gain and selectivity.

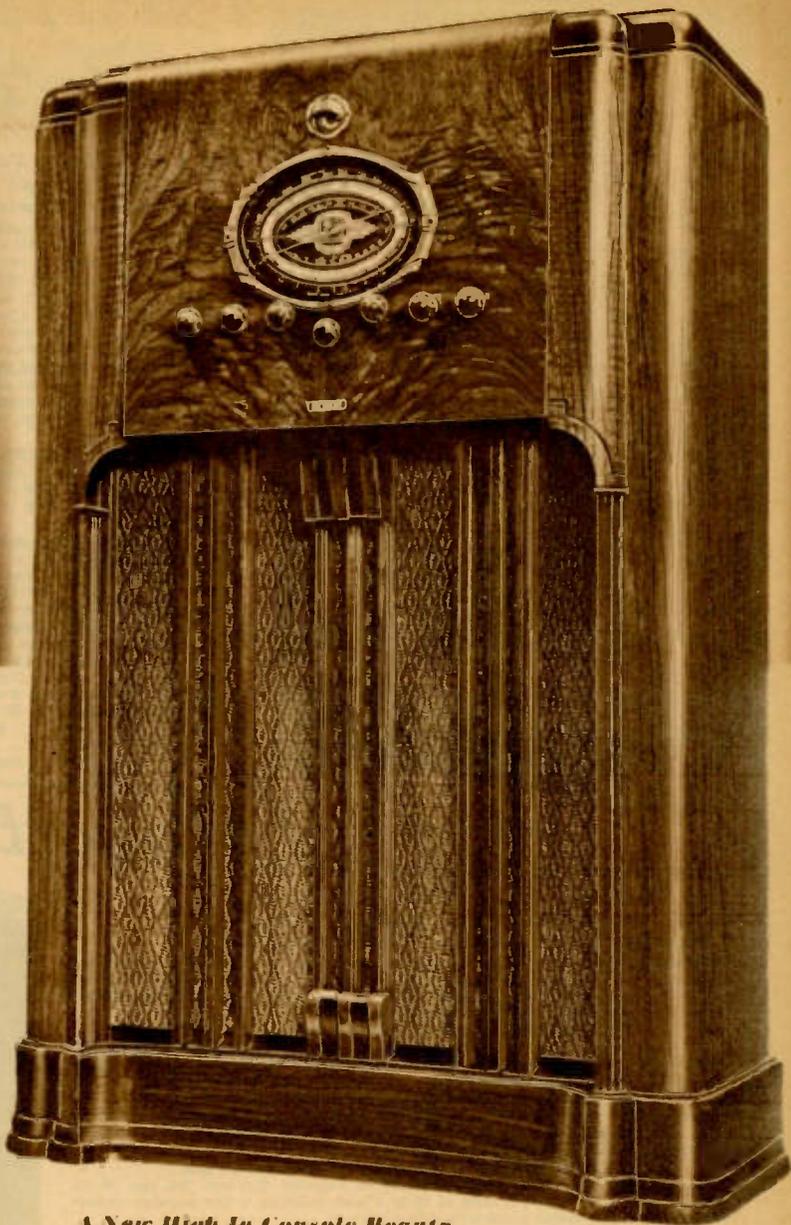
### SEPARATE BASS AMPLIFIER

The reproduction that you hear is a replica of that entering the microphone in the studio. No less than NINE automatic circuits are constantly working toward that end.

### USES A BEAT OSCILLATOR

This device is a boon for the DX fan, as well as the c.w. (code) amateur. It permits the easy pickup of faint, far-away stations. Other features include a stage of r.f. amplification on all bands, dual power rectifiers, separate rectifier for a.v.c. voltages, linear diode detection and separate a.v.c. system.

A new type airplane dial employs second hand mechanical bandspread, automatic band indicator, uni-control 2-speed tuning, full illumination and double-edged pointer.



*A New High In Console Beauty*

The new console cabinet which houses this receiver is a revelation of taste and beauty. Its modern lines lend charm and dignity. It is completely finished with matched walnut veneer and hand-polished to a dazzling brilliance. All corners are rounded, and the oversized grille is inset in the organ manner and fronted with six artistic pillars. Seven walnut control knobs blend pleasantly with the matched walnut paneling, and the giant airplane dial fitted with a bronze escutcheon to match the console. It is fitting that the most beautiful console available be used to house the finest radio receiver made. Dimensions are 44" high, 28 1/2" wide and 15" deep.

### WIDE-RANGE TRANSFORMER

A new tapped, power transformer permits the operation of his set on any 20/30-cycle a.c. voltage in steps of 110, 115, 135, 150, 230 and 250 volts.

**Model C-71** — contains the 24-tube all-wave superheterodyne console receiver, complete with all tubes and two 12" auditorium-type speakers. For 110-250 volts, 50-60 cycles a.c. Code BLAVO Shpg. wt. 225 lbs.

List Price . . . \$200.00

**\$165.00**

YOUR COST

*A "Blue Ribbon" Approved Product*



PG. 15

# MATCHLESS *Super Deluxe* BEAUTY

# PHONO-RADIO

## For Lovers

- 8 Latest Type Tubes—Cathode-Ray Tuning
- 8" Concert Type Electro-Dynamic Speaker
- Continuous Tuning, 16.4 to 568 Meters

HERE is dependable world-wide reception, radio or phonograph reproduction in tones that will astound you with their beauty and realism, and eye-arresting console beauty to grace the finest home.

### IMPROVED SUPERHETERODYNE CIRCUIT

An ultra-sensitive circuit employs eight modern tubes: three 6K7's as r.f. amplifier, converter and i.f. amplifier, a 6C5 oscillator, a 6Q7 audio amplifier, and diode a.v.c., a 6F6 audio power amplifier, a 6E5 cathode-ray visual tuning tube and a 5Z4MG full-wave rectifier.

### OFFERS WORLD-WIDE ALL-WAVE RECEPTION

Three extended wave bands are covered: 16.4 to 52.2 meters, 51.8 to 175 meters and 173 to 568 meters. This embraces American and foreign short- and standard-wave broadcasts, police, amateur, airplane, commercial and all other short-wave services.

### INCORPORATES TONE EXPANDER & CONTROL

A complete gradation of tone from low bass to the brilliant highs is enabled through a full-range tone control. In addition to the manual control there are automatic circuits which maintain full-range reproduction over the entire audio spectrum.

### USES TWO-SPEED PHONOGRAPH MOTOR

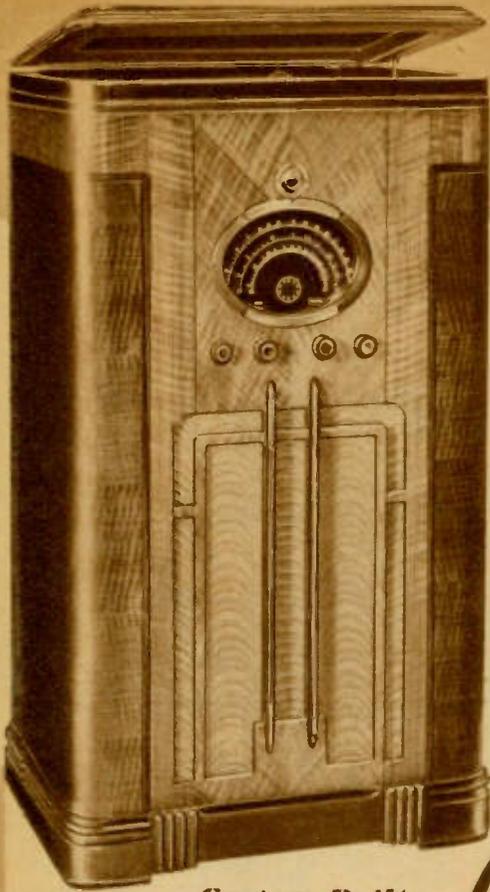
The phonograph portion of the combination incorporates a two-speed (33 1/3 and 78 r.p.m.) Green Flyer a.c. motor which mounts a turntable capable of handling up to 12" recordings. The pickup is of the high-fidelity type and offers record reproduction with studio faithfulness.

### HANDSOME WALNUT CONSOLE

The cabinet which houses the complete combination is a picture of taste and beauty. It is finished with matched walnut veneer and is fronted with an attractive figured grille. Dimensions are 41" high, 23 1/4" wide, 15 1/2" deep.

**Model B - 83**—Lafayette 8-tube, 3-band radio-phonograph combination, complete with all tubes. For 95-130 volts, 50/60 cycles a.c. Code WINNA. Shpg. wt. 93 lbs. List Price . . . . . \$155.00  
**YOUR COST COMPLETE . . . . . \$77.50**

Add \$3.00 to Above Price for 220-Volt A.C. Operation



Custom-Built

## Lafayette

- 11 Tubes—3 Bands, 16.4 to 568 Meters
- 12" Auditorium Type Dynamic Speaker
- Manual or Automatic Record Changer

THE Lafayette 11-tube, 3-band radio-phonograph combination incorporates an advanced superheterodyne receiver which offers world-wide reception, concert-type reproduction for both radio and recordings, cathode-ray visual tuning and exquisite beauty of console design.

### CONTINUOUS SHORT-WAVE RECEPTION

Three wave bands are covered, 16.4 to 52.2 meters, 51.8 to 175 meters, 173 to 528 meters. These take in American and foreign short-wave and standard broadcasts, amateur, air plane, police and commercial stations.

### RIGHT WATTS UNDISTORTED OUTPUT

Unusually fine reproduction at either low or high volume is assured by the finely engineered audio circuit, a full 12" electro-dynamic speaker, automatic bass compensation and tone expander and control.

### MICROMETER LOGGING INDICATOR

Accurate logging of short-wave stations is assured through the use of an accessory pointer having a ratio of 16 to 1 with relation to the regular station indicator. A dual-speed planetary drive is used.

### AVAILABLE WITH AUTOMATIC CHANGER

The phonograph compartment houses a two-speed Green Flyer a.c. motor (in model B-89), and a high-fidelity pickup which plays up to 12" recordings. Model B-91 is equipped with a Packard automatic record changer; this device plays eight 10" records automatically, repeating or selecting any record at will. Plays 12" records manually.

The complete assembly is built into a stunning walnut-veneered modernistic cabinet with stop-hinged top. Size 41 1/2" high, 23 1/2" wide, 16" deep. Complete Technical Details are found on Pages 10 and 11.

**Model B - 89**—Lafayette 11-tube, 3-band, radio-phonograph combination complete with all tubes and Green Flyer motor. For 95-130 volts, 50/60 cycles a.c. Code WIRUS. Shpg. wt. 98 lbs.

List Price . . . . . \$185.00  
**YOUR COST COMPLETE . . . . . \$92.50**

Add \$3.50 to Above Price for 220-Volt Operation

**Model B - 91**—Lafayette 11-tube, 3-band radio-phonograph combination, complete with all tubes and Packard automatic record changer. Code WERNA. Shpg. wt. 105 lbs.

List Price . . . . . \$205.00  
**YOUR COST COMPLETE . . . . . \$102.50**

Add \$5.00 to Above Price for 220 Volt Operation

**Model 943**—Blank modernistic walnut-veneer cabinet as described above, but no provision for phonograph. Code SCANO. Shpg. wt. 62 lbs.

**YOUR COST . . . . . \$23.95**

**Model 940**—Blank modernistic cabinet as described above, but with phonograph compartment.

Code SCIDE. **\$27.50**  
**YOUR COST**



# COMBINATIONS of Music

- 13-Tube, 3-Band Superheterodyne
- Twin 12" Speakers - Visual Tuning
- Amplified A.V.C. - Tone Expander
- High-Fidelity Reproduction

LAFAYETTE presents the 13-tube, 3-band, superheterodyne radio-phonograph combination surpassed only by the Lafayette 24-tube combination described below, as the finest instrument of its kind available today.

### CONTINUOUS SHORT-WAVE COVERAGE

European and American short-wave and standard-wave broadcast stations as well as amateur, police, aircraft and commercial short-wave stations are covered by three extended bands. 16.4 to 52.2 meters, 51.8 to 175 meters, and 173 to 528 meters.

### TWENTY WATTS UNDISTORTED OUTPUT

A total of 13 tubes is employed in an advanced superheterodyne circuit: 4-6E7's, 3-6C5's, 1-6H6, 2-6L6's, 2-5Z4's and 1-6G5 cathode-ray tuning indicator. Amplified automatic volume control is used.

### TWIN 12" DYNAMIC SPEAKERS

Two 12" auditorium type electro-dynamic speakers complement one another, assuring full reproduction of all tones.

Model B-99 is equipped with a 2-speed (33 $\frac{1}{2}$  and 78 r.p.m.) Green Flyer motor and turntable. A high-fidelity pickup takes up to 12" records. Model B-79 employs a Capehart automatic record changer which plays ten 10" or 12" recordings continuously without attention.

In massive console cabinet, 48 $\frac{3}{4}$ " high, 28 $\frac{1}{4}$ " wide, 18" deep. Model B-99 - Lafayette 13-tube, 3-band radio-phonograph combination, complete with all tubes and Green Flyer motor. For 95-130 volts, 50/60 cycles a.c. Code WAHRO. Shpg. wt. 225 lbs. List Price ~~\$239.50~~ **\$119.75**

Model B-79 - Lafayette 13-tube, 3-band radio phonograph combination as above, but with Capehart automatic record changer. Code WISTA. Shpg. wt. 250 lbs. List Price ~~\$329.00~~ **\$164.50**

YOUR COST COMPLETE  
Either Above Models for 220-Volt a.c. Operation, Add \$5.00



## Lafayette Custom-Built

- 24 Latest Type Tubes - Five Bands
- Continuous Tuning, 5 to 2060 Meters
- The Peer of All Radio Combinations

Nothing available today can approach this 24-tube, all-wave radio-phonograph combination for sensitivity, selectivity, beauty of tone, simplicity of operation and appearance.

### HAS OUTPUT OF SIXTY WATTS

This relatively enormous output can be used for dance-halls, auditoriums, schools, etc., although it was primarily designed for the home.

### TWO HIGH-FIDELITY SPEAKERS

The use of two auditorium type electro-dynamic speakers assures perfect radio and record reproduction even with maximum volume. Sufficient controls are incorporated to permit any degree of control of this power.

### ALL-WAVE COVERAGE

The bands of this receiver cover practically every broadcast frequency in use today. This includes European and American short, standard and long waves, as well as the usual police, amateur, aircraft and other short-wave services.

### HAS VISUAL TUNING

Only a partial list of the innumerable features found in this combination can be given; some of them are: cathode-ray tuning eye, separate automatic volume control, automatic tone control, beam power (6L6) output tubes, automatic frequency control, beat oscillator, iron-core i.f.'s, an r.f. stage on all bands, automatic band indicator, high-fidelity switch in the i.f. circuits and inter-station noise suppression.

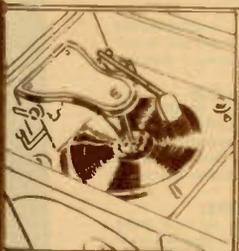
The console cabinet which houses the complete combination is an object of massive beauty. It is thoroughly modern in every line and finished in rich walnut. It is ideally designed for home, school or public place. Dimensions are 48 $\frac{3}{4}$ " high, 28 $\frac{1}{4}$ " wide and 18" deep.

### FURTHER DETAILS ON PAGES 14 AND 15

Model C-72 - Lafayette 24-tube, 5-band superheterodyne radio-phonograph combination complete with all tubes and two-speed Green Flyer motor. For 110-250 volts, 50/60 cycle a.c., operation. Code GACIA. Shpg. wt. 297 lbs. List Price ~~\$398.00~~ **\$199.00**

Model C-73 - Lafayette 24-tube, 5-band superheterodyne radio-phonograph combination as above, but with Capehart automatic record changer. Plays ten 10" or 12" records continuously without attention. Code GEMON. Shpg. wt. 320 lbs. List Price ~~\$479.00~~ **\$239.50**

YOUR COST COMPLETE  
For 220-V., a.c., Add \$5.00



"Blue Ribbon" Products approved by Wholesale Radio Service Co., Inc.



# 12 Tube AGDC

**Visual Tuning**  
**10" Dynamic Speaker**  
**Uni-Control Two-Speed Tuning**  
**Automatic Volume Control—Full Tone**

**I**n this 12-tube a.c.-d.c. all-wave superheterodyne, Lafayette engineers have produced a receiver that boasts world-wide reception and tone quality that will amaze and delight the most ardent music-lover.

**SHORT, STANDARD, LONG WAVE RECEPTION**

This receiver is literally a distance-getter. It covers every broadcast band in popular use, as well as police, amateur, aircraft, ship and commercial short-wave stations. All American short- and long-wave stations are covered, as are the European short- and long-wave stations. The four ranges are 16 to 51 meters, 50 to 174 meters, 166 to 555 meters and 870 to 2060 meters (European long wave).

**"MAGIC EYE" TUNING INDICATOR**

A 6G5 cathode-ray tube is employed as a visual tuning indicator. This device makes precision tuning a simple matter and assures perfect tuning of a station with consequent improved reproduction. In beautiful walnut veneer cabinet, 16 1/4" wide, 23 3/4" high, 12 1/2" deep.

**FULL TECHNICAL DETAILS ARE GIVEN BELOW**

**Model C-61** — Lafayette 12-tube a.c.-d.c. all-wave superheterodyne mantel receiver, complete with tubes. For 110 volts a.c.-d.c. operation. Code GEBOT. Shpg. wt. 50 lbs.  
 List Price . . . \$109.00  
**YOUR COST . . . \$54.50**

Add \$3.00 to Above For 220-Volt Operation.

**Model C-52** — European, model same as above but designed for 110 to 250 volt, 50/60 cycle a.c. operation, Code GUBIR. This model has 11 tubes.  
 List Price . . . \$109.00  
**YOUR COST . . . \$54.50**

MODEL C-61  
**\$54.50**

**4 BANDS - 16 - 2060 METERS**  
*Equatone Bass Compensation*

## Lafayette SUPERHET

*Brings the World Into Your Home*  
**Superb Beauty For Both Eye and Ear**

The console illustrated at the right includes all the features described above and others outlined here that apply to both this console model and the mantel model shown above.

**USES R. F. STAGE ON ALL BANDS**

Full use is made of twelve high gain, multi-purpose tubes in a modern superheterodyne circuit. They include a 6G5 tuning eye, a 6A8G 1st detector-oscillator, 2-6K7 r.f. and i.f. amplifiers, a 6H6G diode-2nd detector and a.v.c. tube, a 6C5G 1st audio amplifier, 4-25A6 output amplifier tubes and 2-25Z6 rectifiers.

**AUTOMATIC BAND INDICATOR**

One of the numerous features of this receiver is found in the new type airplane dial which incorporates the new Vision Master, multi-colored dial scale, a precision, vernier second hand for mechanical band-spread, automatic band indicator and uni-control, two-speed tuning. "Tuning-in" becomes a pleasure with this dial.

**10" ELECTRO-SYMPHONIC SPEAKER**

Tone quality has been emphasized in the design of this receiver to an unbelievable extent. The powerful output of FOUR 25A6's are fed into a full 10" electro-dynamic loud speaker which reproduces the entire audio range with uncanny fidelity and thrilling brilliance. A glance at the grille on the console at the right will indicate the relatively large area devoted to quality baffling.

**FULLY VARIABLE TONE CONTROL**

A unique tone control offers a personal choice of pitch to suit your taste. It is continuously variable from the lowest base to the highest treble and serves also to minimize background noises if present. It is so designed that when turned to the maximum treble position it is out of the circuit completely and does not affect the quality.

**INDIVIDUAL COIL SYSTEM**

The new Centro-Master Automatic control unit which is used in this receiver is made up of a scientifically grouped set of individual coils for each band. Each coil is so placed that losses and r.f. linkage are reduced to a minimum.

**BEAUTIFUL MODERN CONSOLE**

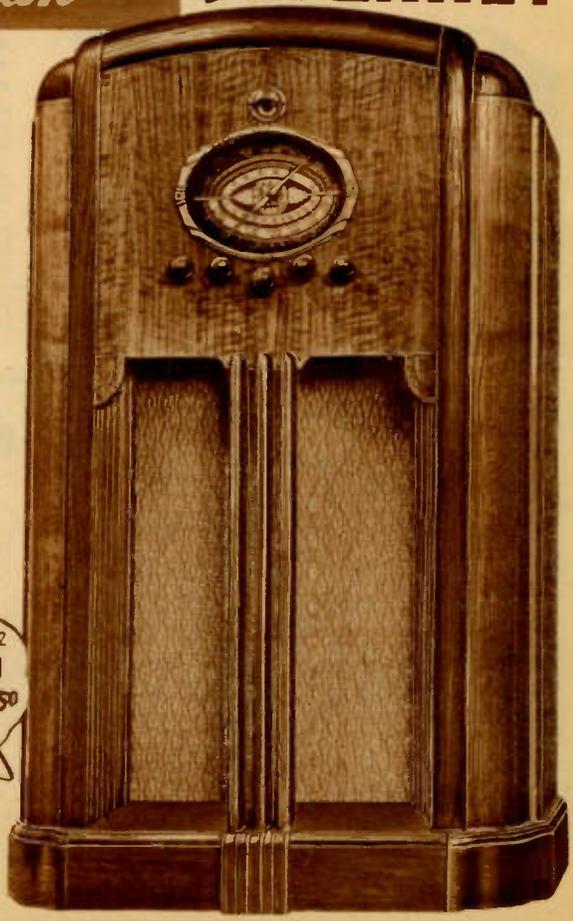
The housing for this receiver is one of the most beautiful console cabinets available. It is a smart example of the new modern school with its rounded edges and rich walnut veneer finish. Three columns front the speaker grille which is woven to match the finish of the console. Dimensions are 26" wide, 41 1/2" high and 14" deep.

**Model C-62** — Lafayette 12-tube, 4-band, all-wave console-type superheterodyne receiver, complete with all tubes and all instructions. For 110 volts a.c. and d.c. operation. Code GODRA. Shpg. wt. 82 lbs.  
 List Price . . . \$135.00

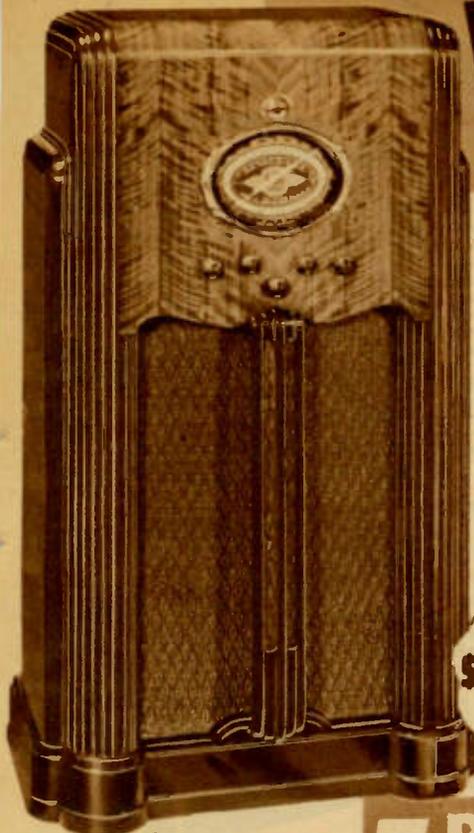
**YOUR COST . . . \$67.50**  
 Add \$3.00 to Above for 220-Volt Operation.

MODEL C-62  
**\$67.50**

An Approved "Blue-Ribbon" Product



# Lafayette "BLUE-RIBBON"



# 16 Tube AC-DC

**IRON-CORE I.F.'s  
AUTOMATIC TONE CONTROL  
INTERSTATION NOISE SUPPRESSION  
R.F. PRE-SELECTION STAGE ON ALL BANDS**

**THE Lafayette 16-tube, a.c.-d.c. all-wave superheterodyne is designed to offer everything that the radio purchaser desires in his receiver. It is a modern technical achievement in that it is capable of superb tonal beauty, easy-to-get world-wide reception, covers practically every broadcast frequency now in use in any part of the world, is housed in an exquisitely designed console cabinet and can easily be operated by any member of the family.**

**HAS A COVERAGE OF 5 TO 2060 METERS**  
This phenomenal range is accomplished in five bands and covers 5 to 17½ meters, 16 to 51 meters, 50 to 174 meters, 166 to 555 meters and 870 to 2060 meters. Tunes American, foreign stations, police, amateur, aviation, ships at sea, government weather and press reports, European long wave and the new, interesting ultra-short waves now being developed.

**IMPROVED VISION MASTER DIAL SCALE**  
Features a unique multi-colored scale, band spread magna-dial and precision vernier second hand, uni-control two-speed tuning and white double-edged pointer. Dial illumination is uniform and pleasing.

**10" HIGH-FIDELITY FULL FLOATING SPEAKER**  
Reproduction is startling in its realism. All notes are reproduced with brilliant fidelity through the newly developed 10" auditorium-type speaker.

**More Technical Details Are Found Below**

The console cabinet is an outstanding thing of beauty. It is sturdily constructed and finished with matched walnut veneer panels. A brilliant hand-rubbed finish adds to its impressive appearance. Fluted corner columns climb completely around the cabinet and match the grille-fronting pillars. The base is designed so as to form Grecian bases for the columns. Overall dimensions are 26½" wide, 43" high, 12¾" deep.

**Model C-66—Lafayette 16-Tube, A.C.-D.C. All-Wave Superheterodyne Console Receiver, complete with all tubes. For 110 volts a.c. and d.c. operation. Code GATTO. Shpg. wt. 87 lbs. List Price \$177.00 **\$88.50****

**YOUR COST** Add \$3.00 to Above Price for 220-Volt Operation.

MODEL C-66  
**\$88.50**

## Lafayette SUPERHET

# 5 BANDS - 5 to 2060 METERS

## 15 WATTS High Fidelity Output

**PUTS THE WORLD AT YOUR FINGER-TIPS  
FULL FLOATING 10" DYNAMIC SPEAKER  
AUTOMATIC TONE CONTROL**

**THE Lafayette 16-tube, a.c.-d.c. all-wave mantel type superheterodyne receiver incorporates the same technical features as those enumerated above plus the additional features described here. It differs from the console model illustrated above only in the cabinet which houses it. Those who prefer this type of cabinet for various reasons, will find in this receiver every possible feature they can desire.**

**CATHODE-RAY TUNING INDICATOR**

The superheterodyne circuit used incorporates the new Centro-Master automatic control unit and employs the following tubes: a 6G5 cathode-ray tube for visual tuning, a 6L7G converter, 5-6H7G's as r.f. amplifier, two i.f. amplifiers, automatic tone control tube and an oscillator, a 6H6G diode detector and automatic volume control, two 6C5G's as first and second audio amplifiers, 4-25A6G audio output amplifiers and two 25Z6 rectifiers.

**BASS ACCENTUATING CONTROL**

Every modern development for the improvement of reproduction is embodied in this set. Continuously variable tone control offers a wide range of bass or treble emphasis to suit the personal taste of the listener. Automatic compensators further assist in assuring full-range reproduction; every note is heard—not "lost". Full-range reproduction insurance takes place in the intermediate frequency circuits before reaching the audio amplifier tubes. The new Prizmatone high-fidelity circuit permits wide band passage in the i.f. circuits when quality and not selectivity is the prime factor.

**PANEL CONTROLLED PHONOGRAPH JACK**

Other up-to-the-minute features found in this receiver include octal tube sockets, variable selectivity, ultra sensitivity, diode detection and a high image frequency suppressor. A new individual coil system is designed to permit maximum efficiency for each band by eliminating undue linkage and long leads. A "dead-end" switch further decreases losses on the high frequencies.

Housed in a beautiful cabinet of modern design. Finished in walnut veneer. 23¾" high by 16¼" by 12½".

**Model C-65—Lafayette 16-Tube, 5-Band, All-Wave, A.C.-D.C. Superhet Mantel Receiver, complete with all tubes. For 110-volt a.c. and d.c. operation. Code GLEBI. Shpg. wt. 50 lbs. List Price \$139.00 **\$69.50****

**YOUR COST** Add \$3.00 to Above Price for 220-Volt Operation.

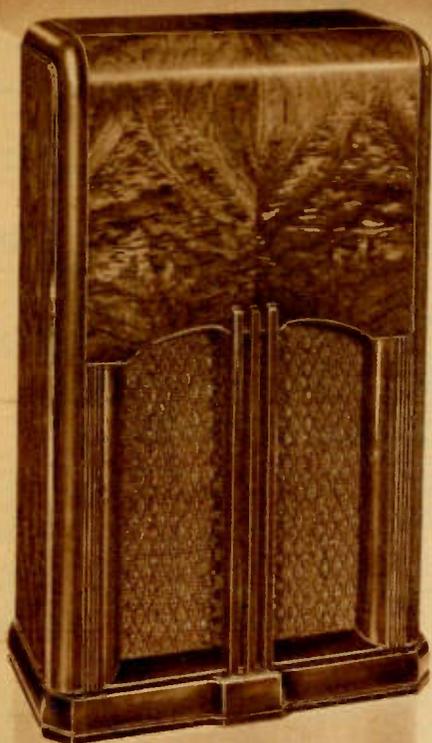
**Model C-64—Foreign model, 14 tubes. Tapped for 110, 115, 135, 150, 230 and 250 volts. 50/60-cycle a.c. operation but otherwise similar to above. Code GIHAR. **\$69.50****

MODEL C-65  
**\$69.50**



# QUALITY THROUGHOUT!

# Console and Combination



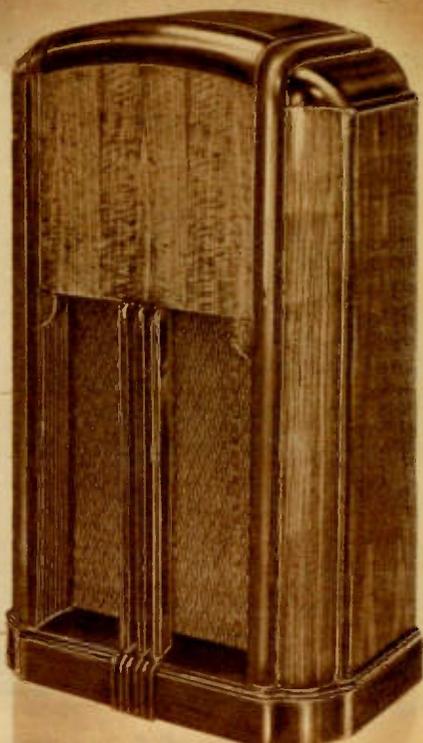
## MODERNE (at left)

Modern beauty—modern style. A console cabinet that will grace the most tastefully furnished room. Butt walnut veneers used on top, sides and front, with deeper toned side pillars and base. Recessed grille covered by figured dull gold cloth and fronted by three matched walnut posts. High polished, hand rubbed finish. Overall size: 22 $\frac{3}{4}$ " wide, 38 $\frac{3}{8}$ " high, 10 $\frac{5}{8}$ " deep. Inside dimensions: 20 $\frac{3}{4}$ " wide, 34 $\frac{1}{4}$ " high, 9 $\frac{3}{8}$ " deep. Instrument panel area: 17" wide, 12" high. Ample space for large chassis, with acoustically perfect sound chamber for the power speaker. Shpg. wt. 45 lbs.

Model 903—Code WGANO.

List Price... \$31.90

YOUR COST... \$15.95



## VALIANT (at right)

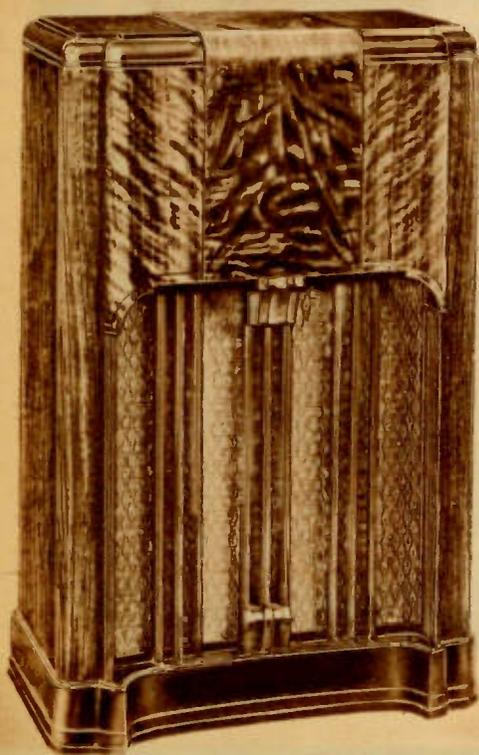
Dignified—imposing—elegant. It is difficult to describe with the written word the inherent charm and beauty of this superb console cabinet. Constructed with the finest straight grain walnut veneers on top, front and sides. Base, top and front pillars are of a deeper tone, presenting an attractive contrast. Recessed grille covered by dull gold cloth and fronted by a neat group of three walnut pillars. Overall size: 26" wide, 41 $\frac{1}{2}$ " high, 14" deep. Inside dimensions: 23 $\frac{3}{4}$ " wide, 35" high, 11 $\frac{1}{2}$ " deep. Instrument panel area: 12 $\frac{1}{2}$ " wide, 12" high. Shpg. wt. 55 lbs.

Model 905—Code WGETE.

List Price... \$40.50

YOUR COST... \$23.25

## MODERN Lafayette DESIGNS



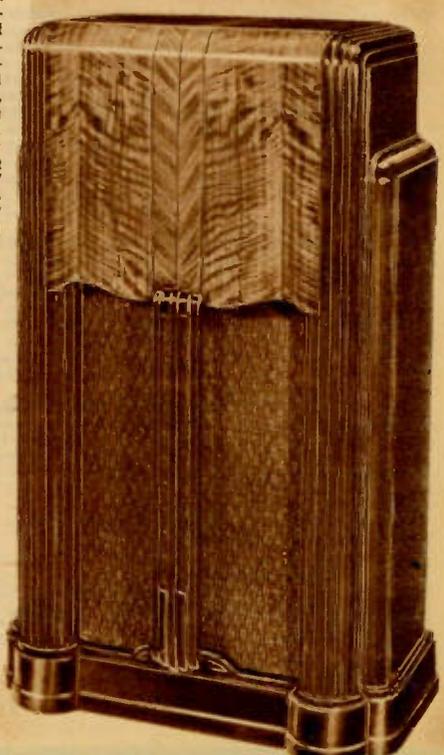
## REVERE (at left)

Designed to house the largest radio receivers, this striking console represents the best efforts of the world's finest furniture craftsmen. For beauty—quality—adaptability it has no equal. Selected butt walnut is used for the top, sides and front, with contrasting tones on base and top panels. Recessed grille is fronted by three imposing groups of walnut pillars. Overall dimensions: 28 $\frac{1}{2}$ " wide, 44" high, 15" deep. Inside dimensions: 25 $\frac{1}{2}$ " wide, 38" high, 14" deep. Instrument panel area: 19" wide, 11" high. Shpg. wt. 110 lbs.

Model 955—Code GCAMO.

List Price... \$95.00

YOUR COST... \$32.50



## CHALET (at right)

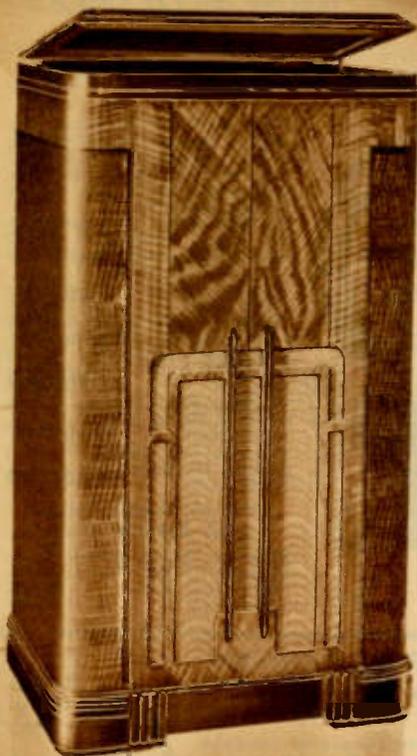
Butt walnut hardwood veneers are blended in a modern, beautiful style in this console. Even the most critical taste cannot fail to be satisfied. Unique "billowed" side pieces are used, and combined with the rounded carved base, present a striking picture. The recessed grille is fronted by a triple column of walnut. Sizes attractively carved and fluted. Overall dimensions: 26 $\frac{1}{2}$ " wide, 43" high, 12 $\frac{3}{4}$ " deep. Inside dimensions: 21 $\frac{3}{4}$ " wide, 38" high, 12" deep. Instrument panel area: 14 $\frac{1}{2}$ " wide, 12 $\frac{1}{2}$ " high. Shpg. wt. 58 lbs.

Model 908—Code WGISA.

List Price... \$55.00

YOUR COST... \$27.50

# Cabinets of CHARM and BEAUTY



## PATRICIAN (at left)

This large, deluxe phono-radio cabinet, with its neat, simple and beautiful lines, will prove a welcome acquisition to any suite of furniture. Selected straight grained walnut veneers are blended in a handsome pattern. Deep toned sides, with lighter instrument panel. Stripings on front and sides. Overall size: 23 $\frac{1}{4}$ " wide, 41" high, 15 $\frac{1}{2}$ " deep. Inside: 21 $\frac{3}{4}$ " wide, 33" high, 13 $\frac{3}{4}$ " deep. Instrument panel area: 14 $\frac{1}{2}$ " wide, 10" high. Shpg. wt. 60 lbs.

Model 937—Code SCALE.

List Price . . . \$47.99 **\$23.95**

YOUR COST . . . . .

Model 939 — Same as above, but without combination features. Shpg. wt. 58 lbs. Code SCAPE.

List Price . . . \$39.90 **\$19.95**

YOUR COST . . . . .

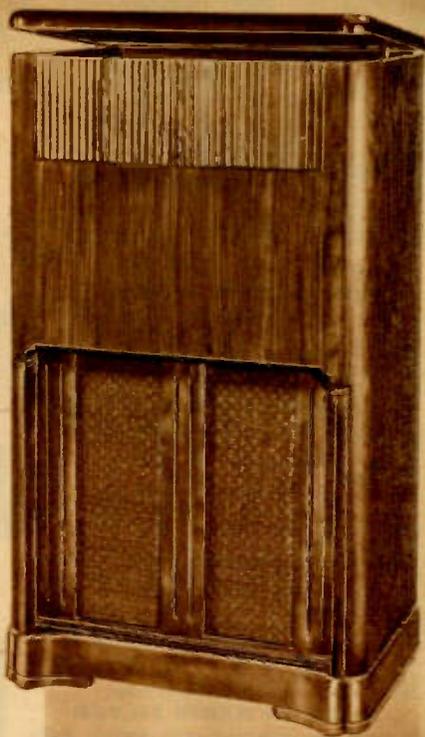
## ARIA (at right)

A desirable piece of furniture for the well furnished home. This handsome combination phono-radio console is built with straight grain walnut veneers. Two-toned blended design, coupled with the carved base and top pieces, provides an overall appearance of elegance. Recessed speaker grille covered by a dull gold cloth and fronted by a carved walnut pillar. Overall dimensions: 28 $\frac{1}{4}$ " wide, 48 $\frac{3}{4}$ " high, 18" deep. Inside dimensions: 25 $\frac{3}{4}$ " wide, 32 $\frac{3}{4}$ " high, 17 $\frac{1}{2}$ " deep. Instrument panel area: 19" wide, 11" high. Shpg. wt. 165 lbs.

Model 957—Code GCAVE.

List Price . . . \$90.00 **\$45.00**

YOUR COST . . . . .



## in SELECTED HARDWOODS



## STATESMAN (at left)

A word description cannot do full justice to this beautiful console—it must be seen to be fully appreciated. Designed in the semi-modern style, with straight line effect in front and on sides, and curved top piece. Vari-toned quartered figured walnut veneers are used throughout. Bottom piece fluted, and with rounded corners. Speaker grille covered by a dull gold cloth and fronted by a double curved column of walnut. Overall dimensions: 22" wide, 38" high, 12" deep. Inside dimensions: 21" wide, 37" high, 11" deep. Instrument panel area: 12" wide, 12" high. Shpg. wt. 41 lbs.

Model 955—Code SCOFA.

List Price . . . \$29.99 **\$14.95**

YOUR COST . . . . .

## MADISON (at right)

This large console cabinet is designed for the discriminating purchaser who demands excellent furniture. The flowing lines, quality construction and overall beauty of appearance will delight the most critical. Butt walnut veneers are used throughout, with contrasting side and front panels. Fluted front pillars, new type "protruding" base and neatly carved top enhance the finished picture. The speaker grille is covered by a figured gold grille cloth and protected by a double carved column of walnut. Overall dimensions: 23" wide, 40" high, 12" deep. Inside dimensions: 21 $\frac{1}{2}$ " wide, 35" high, 10" deep. Instrument panel 12" wide, 11" high. Shpg. wt. 48 lbs.

Model 953—Code GCERE.

List Price . . . \$33.99 **\$16.95**

YOUR COST . . . . .



'Blue Ribbon' Products—approved by Wholesale Radio Service Co., Inc.

# RADIO-ELECTRIC LIGHT

*Enjoy City Radio Reception with these*

## RURAL-POWER GAS DRIVEN GENERATORS



### Light and Power From YOUR Plant

THESE units are designed to charge radio, automobile and tractor batteries for lighting on farms, boats, at camp, etc., and for belt-driving tools and appliances.

#### RATED AT 1/2 H. P.

The engine is a 4-cycle, single cylinder, "L" head, air-cooled type with suction carburetor and is conservatively rated at 1/2 horse-power at 2350 r.p.m. It features fly-ball type of governor and low-tension ignition. The generator is a shunt-wound, d.c. high-efficiency type.

Equipped with a mounted ammeter which indicates rate of charge. Model D, listed in the price box at the right, is equipped with a push-button self starter which operates from the battery on the generator; a special winding makes possible this convenient device. In addition, it is equipped, also, with a hand rope-starter for emergency. Model C is furnished with a rope hand-starter only.

#### BUILT-IN RADIO FILTER

All units are equipped with built-in radio interference filters so as to insure noise-free radio reception when the unit is running. Both models C and D have one-quart fuel tanks, and will operate 5 hours on one filling at 150 watts.

#### EQUIPPED WITH SILENCER

An additional and highly desirable feature is found in the use of a silencer attached to the engine exhaust. Exhaust noise is therefore practically eliminated.

#### SIMPLE TO OPERATE

Overall dimensions are 16" long, 11" wide and 10" high. These compact dimensions permit the unit to be set up wherever space is at a premium. All units are furnished complete with generator cut-outs, battery leads and clips and complete instructions. It can be placed into operation within a few moments after it is unpacked and will continue to give dependable, trouble-free service with no more than the customary attention.



These amazingly low prices now make it possible for every farm, outlying residence, camp, boat, etc., to enjoy the convenience and advantages of 20th century lighting and power.

**W17230**—Model D, charging 6 and 12-volt batteries at 150-250 watts. With both push-button and rope hand-starter. Shpg. wt. 70 lbs. **YOUR COST \$35.75**

**W17239**—Model C, for charging 6-volt batteries, 150 watts. With rope hand-starter only. Wt. 70 lbs. **YOUR COST \$29.95** Complete

**W17232**—For charging 32-volt batteries, 250 watts. **YOUR COST \$44.96**

**W17233**—For 32-volt lighting systems; 250 watts. **YOUR COST \$44.96**

#### 6-Volt Light Bulbs with Edison Base

**W12255**—15-watt, draw 2.5 amps. **W12256**—25-watt, draw 4.2 amps. **YOUR COST, each 35c** Either Type

## RURAL-POWER WINDCHARGER

*Controlled Power from the Wind—FREE!  
Charges ALL 6-Volt Batteries*

Now you can do away with the inconvenience of run-down radio, automobile and tractor batteries—as well as the expense of recharging them. This new, improved Rural-Power Wind-charger charges up to 16 amperes using a new type of double-sealed ball-bearing generator which can be removed for inspection or repaired without disturbing any other part.

#### OPERATES IN 70 MILE WINDS

A new patented tilt control permits operation in 70-mile winds and is automatic in operation. The angle of the propeller is in constant shift while in operation as the velocity of the wind varies. Protective metal sheathing on the leading edges of the propeller prevent damage in hail, sleet, snow and sand. Electrical outlets are shielded from ice, sun and rain for positive action.

#### WITH INSTRUMENT PANEL

Each unit is supplied with an instrument panel consisting of a cutout and indicating ammeter, 6-foot steel tower for flat or gable roof and tail vane and complete instructions. Shpg. wt. 65 lbs. **W17214 \$19.75** **YOUR COST, Complete**



Charges Up To 16 Amps.

## Lafayette 4 TUBE 6 VOLT Superhet

THIS Lafayette 4-tube, 6-volt superheterodyne receiver in conjunction with the Windcharger described above, makes up an ideal, up-to-the-minute radio combination for the farm. It offers world-wide reception, thrilling tone quality and exceptional beauty of appearance—with no battery charging expense! The wind works for you in charging your battery.

#### TWO-BAND RECEPTION

The short waves and the standard American broadcast bands are covered in two tuning ranges: 48 to 150 meters and 175 to 560 meters. This covers amateur, police, aircraft and foreign broadcast stations.

#### USES HIGH-GAIN TUBES

The circuit used is a modern superheterodyne which employs four of the latest multi-purpose tubes as follows: a 1C6 modulator-oscillator, a 34 intermediate frequency amplifier, a 1B5 detector, a.v.c., and 1st audio amplifier and an IF4 power amplifier output tube.

#### NEW AIRPLANE DIAL

Precision tuning is made possible by the use of a new, illuminated airplane dial calibrated in frequency and equipped with vernier action to provide the sharp tuning so necessary when tuning short-wave and distant stations. It is amply

proportioned and easily read by anyone.

All the power necessary to operate this receiver is obtained from a 6-volt storage battery—the power pack which supplies the "B" potential forms an integral part of the receiver and operates from the single battery. There is no worry or fuss with cumbersome and expensive "B" batteries.

#### WIDE-RANGE SPEAKER

An exceptionally fine loud speaker is incorporated in this receiver, and is capable of room-filling tone quality that proves an endless source of pleasurable relaxation. Reproduction is brilliant and life-like, and covers the audio spectrum with amazing fidelity.

#### IN HANDSOME CABINET

The complete receiver is housed in a beautiful mahogany-colored mantel-type cabinet with pleasing modern lines. Corners are rounded, and a large speaker grille fronted with three attractive bars to follow the modern lines. It is 11 1/4" wide, 14 1/2" high, 8 3/4" deep.

**Model D-14**—Lafayette 4-tube, 6-volt superheterodyne receiver complete with all tubes and operating instructions. For 6-volt operation. Code, WERBO. Shpg. wt. 22 lbs. List Price **\$39.90**

**YOUR COST \$19.95**

Storage Batteries Are Listed on Page 57.



22 'Blue Ribbon' Products approved by Wholesale Radio Service Co., Inc.

# AND POWER FOR THE FARM!

## NEW Lafayette BATTERY SETS AND GENERATORS

**WORLD-WIDE RECEPTION**

*Symphonic Tone With Power To Spare*

HERE is the receiver that will over-reach your anticipations. Buy it with the Windcharger described on the preceding page and listen to the world literally pour from the loud speaker in tones that will thrill you—and it will cost you nothing to listen! The Windcharger always keeps your storage battery fully charged and takes its power from the wind.

### FEATURES MULTI-CHROMATIC TUNING

Outstanding among its numerous modern features is the beautiful, new airplane dial. It is brilliantly hand-lettered on glass in green, red and blue on a black background—a distinctive color for each separate band. A gleaming white, double pointer swings over the face of the dial with a vernier action which permits the fine degree of tuning so necessary in short-wave reception.

### COVERS 18 TO 550 METERS IN 3 BANDS

Practically complete coverage of the short-wave bands are had with three-band tuning, 18 to 52 meters, 53 to 167 meters, 175 to 550 meters. These ranges cover European and American standard and short-wave broadcasts, amateur, police, air-craft and other short-wave services.

### EMPLOYS SEVEN HIGH-GAIN TUBES

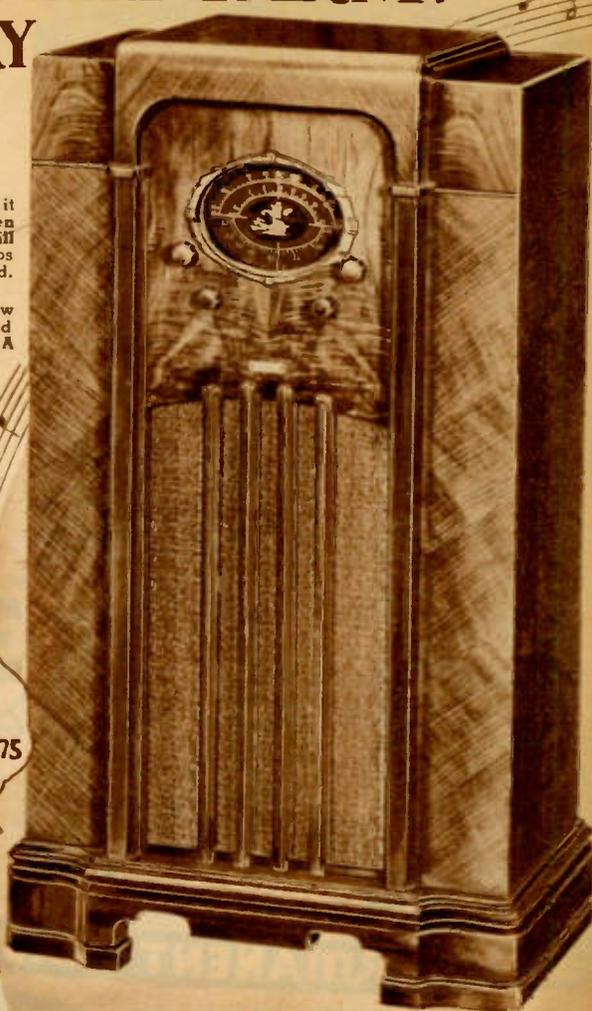
A modern superheterodyne circuit uses a 1C6 modulator-oscillator, 1A4 i.f. amplifier, 2-34's as i.f. and a.f. amplifiers, 2-30's as 2nd detector and driver and a 19 twin-triode power amplifier. The latter feeds into a genuine 6" P.M. dynamic speaker which offers brilliant reproduction over the major portion of the audio spectrum. This loud speaker does not consume any energy.

### WITH BUILT-IN POWER PACK

There is no expense or fuss with old-fashioned "B" batteries. A highly-efficient integral power pack furnishes the high voltage for the tubes. The console cabinet is a thing of beauty. It stands fully 38" high, is 22 $\frac{3}{8}$ " wide and 11 $\frac{3}{4}$ " inches deep and is finished in beautiful, hand-rubbed walnut veneer.

**Model D-17**—Lafayette 7-Tube, 6-Volt Console Receiver complete with all tubes and instructions. For 6-volt battery operation. Code, WARKE. Shpg. wt. 53 lbs. List Price \$79.50  
**YOUR COST \$39.75**

*Lafayette* **7 TUBE 6 VOLT SUPERHET**



MODEL D-17

\$ **39** <sup>75</sup>



*with Permanent Magnet*  
**DYNAMIC SPEAKER**  
*and Built-in Power Pack*

**Also Available In A Mantel Cabinet**

FOR those who desire the mantel type of cabinet because of space limitations or other reasons, the receiver described above is obtainable in a striking, wa-nut finished compact housing measuring 10 $\frac{1}{2}$ " high, 18 $\frac{1}{2}$ " wide and 8" deep.

It features the same dial, like controls, equal built-in power pack, and in every technical detail is a physical replica of the chassis and speaker in the console model, with the exception, of course, of the size of the cabinet.

A 6" P.M. dynamic loud speaker offers room-filling volume with amazing fidelity and brilliance. You will never tire of enjoying its matchless tone quality.

Its ultra-sensitive superheterodyne circuit and its three-band coverage of from 18 to 550 meters will furnish you with innumerable hours of thrilling DX hunting as you tune in station after station.

It is an ideal receiver for the den, kitchen, bedroom, child's room, or wherever a spare radio is desired. Because of its dimensions it will fit into book-cases and small nooks. Order it with a Windcharger and enjoy free reception.

**Model D-16**—Lafayette 7-Tube, 6-Volt Superheterodyne Mantel-Type Receiver, complete with all tubes and instructions. For 6-volt battery operation. Code, WEROT. Shpg. wt. 30 lbs. List Price \$63.00  
**YOUR COST \$31.50**

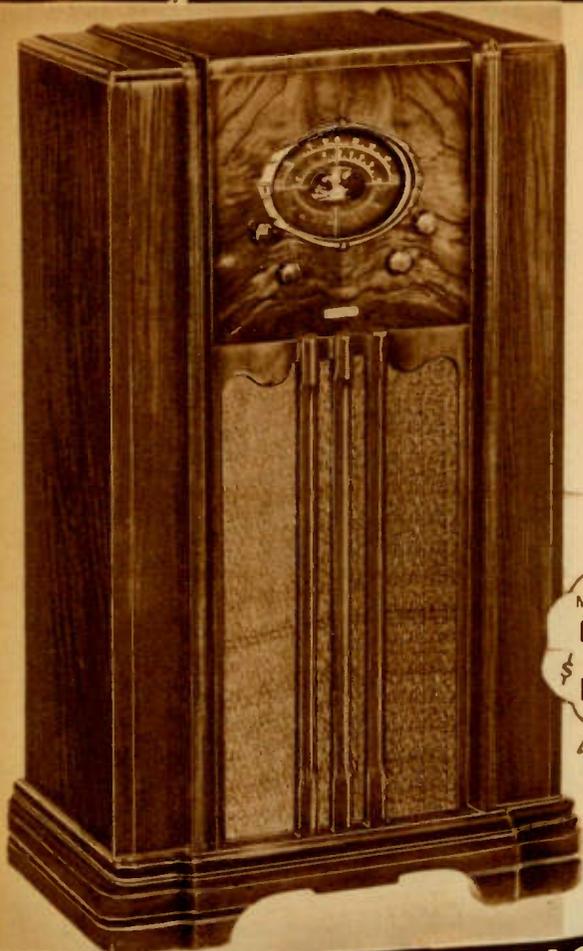
MODEL D-16

\$ **31** <sup>50</sup>

*'Blue Ribbon' Products approved by Wholesale Radio Service Co., Inc.* 23

# Lafayette's GREAT NEW BATTERY SETS

## Lafayette 6TUBE 6VOLT Superhet



- THREE BANDS: 18 TO 560 METERS
- THREE COLOR GIANT DIAL
- FULL RANGE TONE CONTROL
- CONSOLE AND MANTEL MODELS

FARMERS, lumbermen, ranchers and others who live in districts where electric power is not available have often found it difficult to obtain a radio receiver capable of good performance. Lafayette engineers, after careful research, have developed this new, powerful, six-volt battery operated receiver that is fully the equal of the a.c. operated models. Both console and mantel models are available, and both are priced so low that you cannot afford to overlook this opportunity—a trial will convince you—and our 30-day free trial offer protects you.

### POWERFUL 6-TUBE SUPERHET CIRCUIT

An advanced superheterodyne circuit, incorporating the latest developments, employs the following six tubes: one type 1C6 as oscillator, one type 34 i.f. amplifier, one type 30 detector, one type 34 audio, one type 30 driver and one type 19 power output tube. Power output is approximately two watts—more than ample for home use. Sensitivity and selectivity characteristics are unusually fine—stations are brought in all over the dial, and even the closest can easily be separated.

### FULL COVERAGE—THREE BANDS

Full broadcast and short wave coverage is provided by the three separate tuning bands covering from 18 to 560 meters. The standard American broadcast range (also includes many interesting police calls) covers from 174 to 560 meters (530-1720 kc.); the European broadcast stations, as well as numerous amateur stations, are brought in on the 18 to 51.8 meter (5800-18000 kc.) band; popular amateurs and police calls are found on the 53-166 meter (1800-5700 kc.) band. The desired band can instantly be selected by means of the band-switch on the front panel; knob has color coded band markings.

MODEL D-18  
\$ **36** <sup>75</sup>

## with PERMANENT MAGNET — DYNAMIC SPEAKER

### GIANT COLORED DIAL

Tuning has been greatly simplified by the use of a giant full-vision oval shaped dial having a three colored scale. Each band is individually calibrated, and the double-ended pointer covers the entire scale—there is no crowding.

### FULL RANGE TONE CONTROL

A full range, continuously variable tone control enables the operator to select any desired "shade" of tone, from deepest bass to brilliant treble. The control is noiseless in operation, and is governed by a knob on the front panel of the receiver.

### CONSOLE OR MANTEL CABINETS

The 6-tube 6-volt receiver is available in either a console or mantel model cabinet as shown in the illustrations. Both are constructed of the finest walnut veneers, in modern attractive styles. Rounded corners, attractive speaker grille front pillars, matched knobs and accessories and high polished finish feature their design. Either model will grace even the most expensively furnished room. Simple, dignified beauty characterize their appearance.

**Model D-18** — Lafayette 6-Tube 6-Volt Battery Superhet in console cabinet. Complete with all tubes, less storage battery. Dimensions: 21 $\frac{1}{4}$ " wide, 36" high, 11 $\frac{1}{2}$ " deep. Shpg. wt. 52 lbs. Code WADIK.

List Price **\$73.50** YOUR COST **\$36.75**

**Model D-15** — Lafayette 6-Tube 6-Volt Battery Superhet in mantel cabinet. Complete with all tubes, less storage battery. Dimensions: 18 $\frac{1}{4}$ " wide, 10 $\frac{1}{4}$ " high, 9" deep. Shpg. wt. 26 lbs. Code WELFO.

List Price **\$51.50** YOUR COST **\$25.75**



MODEL D-15  
\$ **25** <sup>75</sup>

**W21000**—VESTA 6-volt storage battery, for use with either of the above models. Rated 72 ampere hour capacity, 13 plates. With bad handle, Shpg. wt. 35 lbs. **\$4.45**  
YOUR COST

A complete listing of accessory equipment suitable for use with the above receivers, including electric and wind-power chargers, battery testers, battery clips, etc., will be found listed on page 57 of this book.

# Featuring Economical, Trouble free Operation

## Lafayette 7-TUBE 2-VOLT SUPERHET

JUST the thing for rural districts or wherever commercial power is not available. This powerful three-band superhet uses seven of the latest tubes, including 1-1C6 oscillator, 2-34's i.f. amplifiers, 1-1B5 detector, a.v.c. and audio, 1-30 driver, 1-19 power tube and 1-6E1 regulator.

### FULL COVERAGE - 18 TO 560 METERS

Three separate tuning bands cover the short wave and broadcast channels as follows: from 174 to 560 meters (535-1720 kc.) American broadcast band; from 53 to 166 meters (police and amateur calls); from 18 to 51.8 meters (5800-18000 kc.) European broadcast band.

Batteries used include: 3-45 volt "B", 1-4½ volt "C" and one Eveready "A" Pack. Battery drain is exceptionally low. Other features include: full-range tone control, calibrated oval-shaped full vision dial, band selector switch, new and beautiful modern cabinet.

**Model D-26** - Lafayette 7-Tube 3-Band 2-Volt Battery Superhet complete with tubes but less batteries. Size: 18½" wide, 10½" high, 8" deep. Shpg. wt. 26 lbs. Code WOENA. List Price \$49.90

YOUR COST **\$24.95**

Complete kit of Eveready batteries, including "A" pack \$4.94  
As above, but with Eveready Air Cell instead of "A" pack \$6.81



## Lafayette 6-TUBE 32-VOLT 3-BAND SUPERHETERODYNE

- 18-550 Meters
- Dynamic Speaker
- Full A.V.C. Action
- No Batteries

USERS of 32-volt power systems are now assured of radio performance equal to that obtained by those using commercial power. The highly developed superheterodyne chassis employs six of the latest high gain tubes, including 1-6D6, 1-6A7, 1-75, 2-48's and 1-76. Power output is efficiently handled by the built-in 6½" electro-dynamic speaker—tone quality is brilliant and there is volume to spare. No batteries are employed—set is fully electric operated.

### RANGE 18 TO 550 METERS IN THREE TUNING BANDS

Complete coverage is afforded by the three-band tuning range from 18 to 550 meters. Thus, the standard American broadcasts, European broadcasts, police calls and innumerable amateur stations are brought-in. A band-selector switch is used to select the desired range, and is governed from the panel.

### 5" ILLUMINATED AIRPLANE DIAL

A 5" illuminated airplane dial, with a three-colored scale, makes tuning a simple process. Each band individually calibrated; Vernier ratio 12:1. An unbreakable lens protects the dial from accidental damage. Escutcheon is bronze finished. Other important circuit features include: a full range continuously variable tone control, total drain of only 35 watts—less than any other receiver of its type, noiseless operation, etc., etc.

### BEAUTIFUL MANTEL CABINET

The graceful, modern-style cabinet is beautifully faced with figured butt walnut having a high-polished finish. Contrasting grained hardwoods, combined with an attractive speaker grille and matched knobs blends into a perfect picture.

**Model M-31** - Lafayette 3-Band 6-Tube 32-Volt Superheterodyne in mantel cabinet and complete with all tubes. Dimensions: 14¾" high, 11" wide, 8¼" deep. Shpg. wt. 18 lbs. Code VIRBE.

List Price \$46.90 YOUR COST **\$23.45**

## Lafayette 5-TUBE 2-VOLT SUPERHET

MECHANICALLY and electrically, this set is the "last word" in a 2-volt battery receiver. All batteries (set uses 3-45 volt "B" and 1-Eveready "A" pack) are contained inside the cabinet—no messy connecting wires or unsightly batteries outside the cabinet. Five of the latest high gain tubes are used, including 1-6C6 oscillator, 1-34 i.f. amplifier, 1-1B5 detector, a.v.c. and audio, 1-33 power tube and 1-5E1 regulator. Power is ample for all purposes and tone is excellent—the ideal low priced set for the rural districts.

Two tuning bands are provided, covering American broadcasts from 174 to 560 meters (535-1720 kc.) and the standard European broadcasts from 48.4 to 132 meters. Many police calls and amateur stations can also be brought in. Band switch on panel.

The cabinet is a striking example of modern art—simple, beautiful and of hardwood veneers.

**Model D-27** - Lafayette 5-Tube 2-Volt Superhet complete with all batteries (includes Eveready "A" pack) and tubes. Size: 18¾" wide, 10½" high, 12" deep. Shpg. wt. 72 lbs. Code WINAT.

List Price \$40.90 YOUR COST **\$20.95**

**Model D-29** - As above, less batteries \$16.95



# Enjoy RADIO WITH THESE NEW



## Lafayette 5 TUBE AUTO RADIO—under-dash Mounting

**EXCELLENCE** of performance, coupled with distinctive appearance and a real low price, makes this receiver an unusual buy. It is compact, easy to install, powerful, sensitive and selective—yet it is offered at a price within the reach of every car owner.

### USES FIVE HIGH GAIN TUBES

Five modern type tubes are used in the superhet circuit as follows: 1-6A7 detector and oscillator, 1-6D6 i.f. amplifier, 1-75 audio amplifier and second detector, 1-41 output tube and 1-84 full-wave rectifier. The output (over 1 watt) is handled with great fidelity by the built-in electro-dynamic speaker.

### NOISE SUPPRESSION CIRCUIT

A built-in noise suppressor circuit makes the use of spark plug suppressors unnecessary in all but the most difficult cases. Thus installation is made much more simple, and quality of reproduction enhanced.

### SINGLE UNIT CONSTRUCTION

The entire receiver, including speaker, controls and tuning equipment is housed in a single steel case finished in brown crackle lacquer. Only antenna and battery connections need be made—entire installation can be accomplished in a short time. Tubes can be replaced without removing the chassis.

MODEL JA-1  
**\$15.95**

### ADDITIONAL CIRCUIT FEATURES

Other features: full-range tone control, 10 kc. selectivity, extreme sensitivity, less than 5-ampere drain, dial calibrated in kilocycles, etc.

**Model JA-1**—Lafayette 5-Tube Auto Radio, complete with tubes, generator condenser, distributor suppressor, mounting and servicing instructions. Dimensions: 6½" wide, 11½" deep, 5" high. Shpg. wt. 18 lbs. Code, VELBA. List Price ~~\$31.90~~ **\$15.95**  
**YOUR COST**

## AUTO RADIO WIRE AND ACCESSORIES

### Auto Ignition Wire



Standard 7 mm. black lacquered braided wire for use in automobile ignition and high tension work.

W20851 **2c**  
Per Ft. **W20852 100 Ft. \$1.45**

### Shielded Ignition Wire



Standard 7-millimeter wire with heavy rubber wall, lacquered braid and overall covering of tightly woven tinned copper shielding. First quality. Shpg. wt., 100 ft. spool, 4 lb.

W16211 **4c**  
Your Cost, per foot **W16213—100 ft. spools 3.50**  
Your Cost

### "Sash Cord"

#### Auto Antenna Wire



Designed expressly for use in construction of under car auto antenna. Consists of 42 strands of #27 copper wire wound on a base of heavy cotton. Has great tensile strength, is flexible, and provides greater pick-up than other types.

W20908 **1 1/2c**  
Your Cost, Per Foot **30c**  
25 ft. Coil

### Fuse Retainer



Designed for use with auto radio sets. Two piece connector of heavy metal, with fibre inside insulation. Heavy spring contact. 2 1/4" long.

W12372—Your Cost **7c**

### Shielded Loom



Standard loom with a tinned braided shield on the outside. For shielding and protecting wiring in autos, etc. Helpful in eliminating ignition noise. Will pass heavy wire. Shpg. wt. 1 lb. 10 ft.

Stock No	Diam. In.	10 Ft.	50 Ft.
W16146	3/8"	60c	\$2.85
W16147	7/8"	70c	3.35
W16148	1"	85c	3.95

### Antenna Connector



For auto radio sets. Two-piece metal container, fibre inside insulation. Powerful spring contact insures perfect electrical connection.

W16114—Your Cost Each **6c**

### Copper Shielding



Used for shielding of interference creating circuits. Closely woven, extremely flexible.

BARE		TINNED	
Stock No.	Cost Per Ft.	Stock No.	Cost Per Ft.
W16234	1 1/2c	W16237	2 1/2c
W16235	2c	W16238	3c
W16236	3c	W16239	5c

### Copper Fuse Clips

Nickel plated copper.

W12377

Your Cost **2c**

Per Doz. **20c**



A complete listing of Mallory replacement auto radio vibrators will be found on page 117.

## Lafayette 4 TUBE AC-DC with Police Band

**THE** most amazing value in radio today. This efficient little four-tube receiver incorporates many of the features heretofore found only in the higher priced models. It's small enough to fit in a shelf in your book-case, or to place on a mantel, yet its performance will prove highly satisfactory.

The old reliable t.r.f. circuit is employed, using four tubes as follows: 1-6D6 r.f. amplifier, 1-6C6 detector, 1-25A7 output tube and 1-800B metal ballast tube. There is no annoying "hot" line cord. Set operates on 110 volts, a.c. or d.c. The power output (about 1 watt) is easily handled by the matched 5" electro-dynamic speaker. Two tuning bands are covered, the standard American broadcast and the police bands. American broadcast range is from 171 to 550 meters (550-1750 kc.); the police band is from 67.8 to 176 meters (1700-4500 kc.).

Features include: four-colored illuminated dial, arrow knob dial indicator, attractive cabinet.

**Model EB-7**—Lafayette 4-Tube A.C.-D.C. Receiver, complete with tubes. For 110 volts, a.c. or d.c. Size: 10 1/4" x 7 1/2" x 5". Shpg. wt. 9 lbs. Code, TALBA. List Price ~~\$17.90~~ **\$8.95**  
**YOUR COST**

220-Volt Adaptor for above—75c additional.

MODEL EB7  
**\$8.95**



# ON THE ROAD 1937 AUTO SETS!

## Lafayette 6 TUBE 'suppressorless' AUTO RADIO

RELIEVE the monotony of tedious automobile trips—lighten the boredom entailed by travels on the "open road" by installing one of these new Lafayette 6-tube superhet auto radios. The model D-45 will bring in enjoyable programs no matter what part of the country you travel in, and the superb tone quality, power and sensitivity will prove a revelation and a delight.

### POWERFUL SUPERHET

Modern engineering skill has been put to good purpose in designing the efficient superhet circuit used in this auto set. Six tubes are used as follows: 1-6D6 r.f. amplifier, 1-6A7 first detector and oscillator, 1-6D6 i.f. amplifier, 1-7S first audio and a.v.c., 1-41 power output tube and 1-84 full-wave rectifier. Power output of three watts is more than sufficient for all practical purposes. Selectivity and sensitivity are of a high order—stations brought in all over the dial, and can easily be separated.

### SUPPRESSORLESS CIRCUIT

A special built-in noise suppression circuit eliminates the need for spark plug suppressors in all but the most difficult installations. The generator condenser and distributor silencer supplied with the unit are all that is needed.

### "QUICK SERVICE" CONSTRUCTION

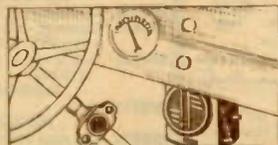
The entire assembly, including speaker and chassis (all except remote control), is housed in a single steel case finished in brown crackle lacquer. Access to tubes, speaker and vibrator gained by simply removing the front panel that is held by conveniently located self-tapping screws.

### POWERFUL AUTOMATIC VOLUME CONTROL

The powerful a.v.c. circuit eliminates inter-station blasting, and minimizes fading on weak stations. This circuit is of the quick-action type—does not disturb reception.

Other circuit features include: full-range tone control, illuminated non-glare dial calibrated in kc., single-bolt mounting, attractive speaker grille, etc., etc.

The artist's sketch at the right shows a typical remote control installation on the steering column. Neat and convenient.



## Lafayette 6 TUBE De Luxe SINGLE UNIT AUTO RECEIVER

THIS deluxe, custom-built 6-tube auto radio is the finest in the Lafayette line. In performance, it is equal to the majority of the high-priced home radios on the market—you can ride the roads in company with clear, life-like radio reception at all times.

### SEVERAL ALL-METAL TUBES IN CIRCUIT

The latest and most efficient superhet circuit is used, employing six tubes. In this complement are three of the newest type all-metal tubes. Tube types and uses are: 1-6K7 r.f. amplifier, 1-6J7 first detector, 1-6K7 i.f. amplifier (these are all-metal types), 1-6B7 second detector, 1-41 first audio and 1-6A6 power output tube. A synchronous vibrator of the plug-in type supplies the necessary high voltages. A matched dynamic speaker handles the entire set output with great fidelity—output is in excess of 3 watts. Tone control and local-distance switch on chassis.

A built-in noise silencing circuit, including a new iron core antenna coil, makes the use of suppressors unnecessary. In most cases, even distributor silencer can be dispensed with. Installation is simple.

Model B-92—Lafayette 6-Tube De Luxe Superhet Auto Radio. Complete with tubes, distributor silencer and generator condenser. With under-dash or steering column remote control (universal). Size: 10 1/2" wide, 7" deep, 7 1/2" high. Shpg. wt. 30 lbs. Code, WENCH. List Price..... \$57.00

YOUR COST

**\$28.50**



MODEL B-92

**\$28.50**



MODEL D-45

**\$23.45**

**BUILT-IN NOISE  
FILTER  
POWERFUL A.V.C.  
3 WATTS OUTPUT  
DYNAMIC SPEAKER**

Model D-45—Lafayette 6-Tube Superhet Auto Radio, complete with all tubes, generator condenser, distributor suppressor and complete instructions. Dimensions: 9 1/2" wide, 7 1/2" deep, 7 3/4" high. With universal under-dash or steering column remote control. Shpg. wt. 30 lbs. Code, WCENE. List Price..... \$46.90

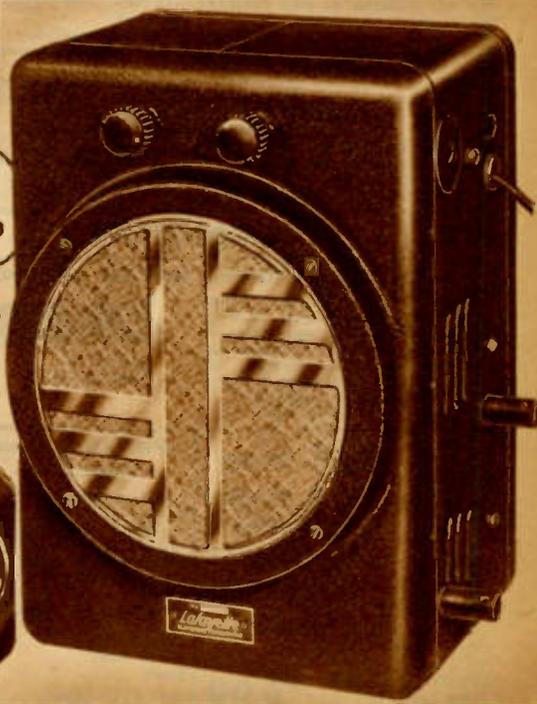
YOUR COST

**\$23.45**

SEE NOTE BELOW FOR SPECIAL CONTROLS

### — SPECIAL NOTE —

Both Lafayette auto sets listed on this page (D-45 and B-92) are regularly furnished with universal under-dash or steering column remote control assemblies. Matched instrument panel plates can be supplied for a great majority of the standard make autos at an additional 70c. Specify make of car, year and model number when ordering.



"Blue Ribbon" Products approved by Wholesale Radio Service Co., Inc.



# Auto Radio Accessories



## RCA DI-POLE Antenna



The new RCA Noise-Reducer Antenna, in operation, acts as a counterpoise with the car acting as an antenna. The length and height are adjustable as illustrated. Shipping weight 3 lbs.

**W22018—Your Cost Each \$1.55**

## Adjustable Plate



An improved plate antenna made of rust-proof metal. Presents a great

surface pick-up area. Adjustable from 28" to 44". 7 1/2" wide. Complete with brackets, easy to install. No holes to drill. With lead-in wire. Shpg. wt. 3 lbs.

**W16241—Your Cost, Special \$1.10**

## WARD "Magic" Super



One of the most efficient running board antennas made. Constructed with an overall covering of tough molded leak-proof rubber. Will last indefinitely; unaffected by weather. Magic pick-up flap increases volume 22 to 40%. Two-point suspension and adjustabackets simplify installation. Fits all cars. Full instructions included with each aerial. Shpg. wt. 4 lbs.

**W16245—Your Cost \$2.06**

## WARD "Sk1" Antenna



Almost as efficient as a roof antenna (73%). Features include: no drilling; attaches to any running board; quick installation; permanent construction—cannot rattle or short; efficient under all weather conditions; non-fading and non-directional. With new type adjustable brackets and insulators. Instructions furnished. Shpg. wt. 2 lbs.

**W16246—Your Cost \$1.18**

Same as the above, but for installation on both running boards. Provides increased pick-up. Instructions furnished. Shpg. wt. 4 lbs.

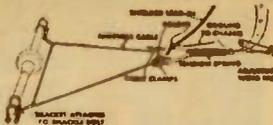
**W16247—Your Cost \$2.06**

## MOLDED RUNNING BOARD ANTENNA

Provides maximum pick-up. Molded rubber covering overall. Held by two metal clamps at ends. Has 8" overlap that acts as a splash guard and is also part of the antenna. All necessary hardware included. Easy to install. Shipping weight 3 lbs.

**W22020—Your Cost Each**

## Triangle Auto Antenna



Bakelite insulation pieces. Sash cord antenna wire sufficiently long for all installations. With tension spring and eye bolt assembly. Antenna lead soldered to lead-in wire. Shipping weight 4 lbs.

**W16472—Your Cost \$59¢**

## "Trombone" Antenna



A directional antenna that delivers maximum pick-up with a minimum of ignition noise. Open end mounts toward the front or motor side of car. Comes complete with shielded lead-in wire and adjustable mounting brackets. Easy to install—rarely necessary to drill holes. Shipping weight 3 lbs.

**W16242—Your Cost, Special \$65¢**

## Roof Antennas



Easily inserted by opening the roof lining for about a foot, and sliding in the antenna. Provides exceptionally good pick-up. Do not use with turret-top cars.

**W22022—12x27" \$65¢**

**Your Cost Each \$79¢**

**W2021—12x35" \$79¢**

**Your Cost Each \$79¢**

## Single Channel

Very rugged and efficient. Made of rust-proof metal with flexible molded rubber insulators. 50" long. Open end mounts toward the motor. Comes complete with lead-in wire and adjustable brackets. Easy to install—no holes to drill. Shipping weight 3 lbs.

**W16243—Your Cost \$95¢**

## Double Channel

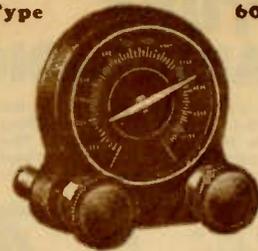
Same as the above, but for installation on both running boards. Provides greatly increased pick-up. Shipping weight 5 lbs.

**W16244—Your Cost \$1.80**

## CROWE AUTO REMOTE CONTROLS

### Standard Head

Type 600

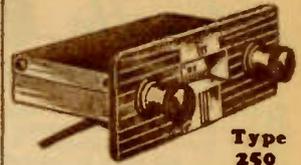


Universal type, for panel installation on cars listed below. With Pyralin scales, illuminated from rear. Unbreakable Croglas crystal. With Mazda 51 pilot light. Less knobs. Counter-clockwise (55-150) rotation. Shpg. wt. 3 lbs.

Stock No. Ratio Your Cost Each

W8360	6 to 1	
W8351	8 to 1	
W8361	10 to 1	\$2.06
W8359	12 to 1	
W8362	16 to 1	

### Special Head



Type 250

For installation in the cars listed below. Have Pyralin scales and Croglas unbreakable crystals. Can be mounted horizontally or vertically. Two scales provided, for vertical or horizontal mount; easy to change. With Mazda No. 51 pilot light; rear illuminated. Supplied less knobs. For counter-clockwise rotation (55-150); clockwise units on special order only. Shipping weight 3 lbs.

Stock No. Ratio Your Cost Each

W8363	6 to 1	
W8352	8 to 1	
W8364	10 to 1	\$2.50
W8353	12 to 1	
W8365	16 to 1	

NOTE: To determine condenser ratio, open condenser fully and then count number of turns required to bring the rotor to the full closed position. Multiply this figure by two to get ratio in terms of 360° (ratios given above are for 360°). Clockwise rotation supplied on special order only.

## PLATES FOR THE No. 600 CONTROL

Kits include the plate, matched Tenite knobs and all hardware.

Stock Make and Model Your Cost

No. AUBURN

W8366 654, 852, 852 Super. (1936) \$0.59

W8367 Airstream (1935) .71

W8368 Airstream (1935) .71

W8369 Custom Airstream, Airflow (1936) .79

W8370 DeLuxe Airstream (1936) .71

W8371 1935 DODGE .71

W8372 DeLuxe 1934 FORD .71

W8373 DeLuxe 1935 FORD .59

W8374 Stand, 1935 FORD .59

W8375 DeLuxe 1936 FORD .59

W8373 Stand, 1936 FORD .59

W8377 6 and 8 Cyl. (1936) HUDSON .79

W8371 6 Cyl. (1935, 1936) HUPMOBILE .71

W8372 DeLuxe 8 (1935), 8 Cyl. (1936) .71

W8366 Stand, 8 (1935) .59

W8384 1936 LAFAYETTE .59

W8375 1936 LINCOLN ZEPHYR .59

W8386 400, Amb. 6, Amb. 8 (1936) NASH .71

W8371 Early 1935 (walnut) PLYMOUTH .71

W8390 Late 1935 (taupe) .71

W8391 Stand, 1936 (1936) .59

W8392 Dict. 6 (1936) STUDEBAKER .79

W8393 1936 TERRAPLANE .79

Universal Steering Column Kit W8394 Sale Price .24

Universal Under-dash Kit W8395 Sale Price .18

## PLATES FOR THE No. 250 CONTROL

For General Motors and several Chrysler cars. Perfect match. Kits contain the plate, Tenite knobs and all necessary mounting hardware.

Stock Make and Model Your Cost

No. BUICK

W8396 40, 60, 80, 90 (1936) \$0.88

CADILLAC

W8397 V8 (60, 70, 75), V12, V16 (1936) 1.18

CHEVROLET

W8399 Master 1935 .79

W8400 Stand, Master (1936) .79

CHRYSLER

W8402 Airflow, Imperial (1936) 1.18

W8403 Airstream 6 (1935) 1.18

W8404 Airstream 8 (1936) 1.18

W8406 1936 DODGE .88

W8407 6 and 8 Cyl. 1935 OLDSMOBILE .88

W8408 6 and 8 Cyl. 1936 OLDSMOBILE .88

W8409 DeLuxe 1936 PLYMOUTH .79

PONTIAC

W8410 DeLuxe 6 and 8, Master 6 (1936) .79

W8376 Studebaker Dict. 1936

W8378 Dodge 1936

W8379 Lafayette 1936

W8380 DeSoto DeLuxe Airstream 1936

W8381 Dodge 1935, Hup 6 1936, Nash 6 1936, Plymouth DeLuxe early 1936

W8382 Plymouth DeLuxe, late 1935

W8383 Plymouth DeLuxe 1936

W8385 Plymouth Stand, 1936

W8387 Plymouth 1934, Dodge 1934, Nash 400 1936

W8388 Ford DeLuxe 1934

W8389 Ford Stand, 1935

W8401 Ford DeLuxe 1935 and 1936, Stand, Ford 1936, Lincoln Zephyr 1936

W8405 Terraplane 1934, 1935

Your Cost Each, Any Above \$82¢

Type

LITTELFUSE Auto Fuses

Lower resistance than standard fuses. 1 1/2 x 1/2". Your Cost

W12320—5 amps. 3¢ ea.

W12321—10 amps.

W12322—15 amps.

W12323—20 amps.

## RCA M-34 G. E. B-40 Vibrator



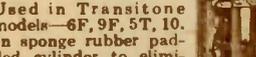
The genuine RCA factory replacement Part No. 7604. Used in models M94, M105 and M116. Also used in the General Electric

Model B-40. Full-wave type. Shpg. wt. 2 lbs.

**W2596—List \$6.00 \$3.60**

**Your Cost**

## PHILCO Replacement Vibrator



Used in Transitone models—6F, 9F, 5T, 10. In sponge rubber padded cylinder to eliminate noise pick-up. Full wave vibrator with pure silver points. Plug-in four-prong type. Shpg. wt. 2 lbs.

**W14632—Your Cost Each \$2.10**

**Lots of 10—Each \$1.90**

## NOTE:

For a complete listing of Mallory replacement auto radio vibrators for all standard sets refer to page 117.

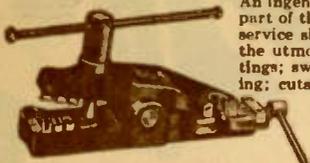




# Auto Radio Accessories



## J. F. D. AUTO RADIO PRODUCTS "Remote-O-Cable" Replacer

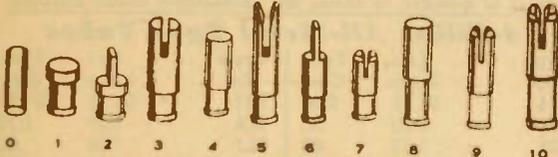


An ingenious new machine that should be part of the equipment in every auto radio service shop. It does the following with the utmost speed: removes old cable fittings; swedges cable to prevent unraveling; cuts cable to exact length; replaces old fittings on the new cable. With this machine, a length of cable and housing and an assortment of fittings, any remote control cable job can easily be done. Size: 15x7 1/4 x 5 1/2". Shpg. wt. 23 lbs.

One machine does ALL Cable work

W8413—Your Cost **\$37.24**

## Auto Radio Cable Fittings

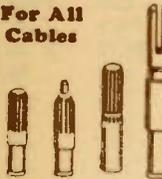


A type for practically every automobile remote control cable now in use. Made of finest materials, accurately machined. Match old fitting from illustrations shown, and order by stock number.

W8414—Type 0 W8417—Type 3 W8420—Type 6 W8423—Type 9  
W8415—Type 1 W8418—Type 4 W8421—Type 7 W8424—Type 10  
W8416—Type 2 W8419—Type 5 W8422—Type 8  
Your Cost Each, 100 for **\$5.40** **6¢**  
Any Above Type

## Gear Fittings

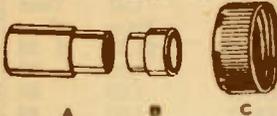
For All Cables



Made of brass. Accurately machined so that they fit exactly. Popular types shown. Order from the illustrations (by stock number.)

W8425—Type P1  
W8426—Type G2  
W8427—Type G3  
W8428—Type P4  
**24¢ each**

## Housing Ends



Popular types, fit all present day cables. Accurately made—fit exactly. Order by stock number according to illustrations shown above. Made of brass.

W8429—Type A Per  
W8430—Type B 100  
W8431—Type C \$5.40  
Your Cost Each **6¢**

Kit of 120 assorted fittings, gears and cable housings. For all makes of auto radios. In metal container with compartments for each different type. Shpg. wt. 4 lbs.  
W8432—Your Cost **\$7.94**

## Remote Roto-Cable and Housing

Finest quality cable for auto remote controls. Cable ends are swaged—cannot unravel. Available in standard lengths, cable or cable with steel housing. Lengths other than those listed can be supplied on special order, prices on request. Shipping weight 1 lb. per ft.

Cable Only			Cable and Housing		
Stock No.	Length Inches	Your Cost Each	Stock No.	Length Inches	Your Cost Each
W8433	18	24c	W8437	18	38c
W8434	24	30c	W8438	24	50c
W8435	36	42c	W8439	36	73c
W8436	48	54c	W8464	48	85c

We can supply cables complete with any two fittings shown above at an additional 70c. Specify stock numbers when ordering.

## Special Cable for Majestic, Clarion, A. K., and Arvin Auto Sets

9-foot cable with 8-foot sheath. Exact duplicate. **W16878—Your Cost. 69¢**

## Master Noise Filter Eliminates Suppressors



Place in the distributor head and eliminate the necessity of using plug suppressors. Made up of 8 individual coils wound into a master coil with resistance of 420 ohms. Bakelite housing. Will withstand 400° and is moisture-proof. Will stand up under continuous excessive vibration.

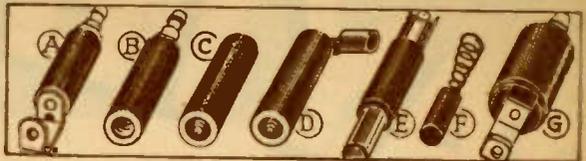
W14135—Your Cost **\$1.47**

## FILTRON Auto Noise Rejector

Built along entirely new principles for the purpose of rejecting ignition and other electrical noises from the antenna system of the auto radio. Does away with spark plug suppressors. Installed with a few simple connections by anyone; requires no further attention. For all auto sets. 5 1/2"x2".

W14202—Your Cost **\$1.47**

## Thutest Auto Radio Suppressors



Stock No.	Type	Description	Your Cost Each
W5283	A	Standard Spark Plug Type	12¢
W5278	B	Compact Spark Plug Type	12¢
W5253	C	Cable Type for Buick Cars	12¢
W5285	D	Elbow Cable Type	12¢
W5279	E	Standard Distributor Type	12¢

10 for \$1.14  
25 for 2.75  
50 for 5.42

W5293—Type F. Distributor suppressor for Ford V-8. **12¢ Each**

Type G. Wire wound suppressors, low resistance type (500 ohms). Will not reduce speed of car. In Bakelite case; moisture proof. Highly efficient.

W5296—Spark Plug Type  
W5297—Distributor Type  
Your Cost Each, Either Type **27¢**

## Auto Condensers

Standard type. **15¢**  
W14220—25 mfd. Your Cost Each **19¢**  
W14215—5 mfd. Your Cost Each **24¢**  
W14216—1.0 mfd. Your Cost Each **27¢**  
Ford V-8 Type. W14219—Your Cost Each **27¢**

## Dome Light Filter

Eliminates the noise in dome light wiring. Has condenser-choke. **W14208—Your Cost 32¢**

## Ammeter Condensers

Eliminates noise in ammeter, horn, etc. Has lug. **W14218—Your Cost 20¢**

## SPRAGUE Oil and Gas Gauge Filters

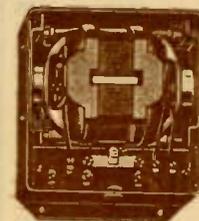
For the Ford V-8 Oil and gas gauge filters for the late 1935 and 1936 models Ford V-8. Easy to install. Eliminates metal noise. Metal containers. **W14203—Oil Gauge Filter**  
**W14204—Gas Gauge Filter**  
Your Cost, Either Type **29¢**

## Electro-Static Eliminator

Rids auto-radio reception of noises caused by the electro-static pick-up of the front wheels. Easy to install in each hub cap so as to contact the axle shaft. Simple, effective and trouble proof. **W5292—Your Cost, per Pair 18¢**

## AUTOMOBILE "B" ELIMINATORS

### GEN-E-MOTOR Auto "B"



With Filter —  
Need No  
Care No  
Oiling No

Combined motor and generator operating from a 6-volt storage battery. Can mount in an exceptionally small space—3 1/4"x5 1/4"x4". Each complete with radio noise filter. Will carry up to 25% overload. Fool-proof. Shpg. wt. 17 lbs.

Stock No.	Volts Out.	Cur. Ma.	Your Cost
W14209	180	30	\$10.78
W14210	200	40	10.58
W14228	225	50	10.58
W14229	250	50	10.58
For Sound Trucks			
W14211	300	100	19.98
W14180*	300	100	16.17
For 32-Volt Lighting Plants			
W14213	135	67 1/2	13.52
W14222	180	90	13.52
W14212	180	22 1/2, 45	67 1/2, 90, 135 14.70

### GEN-E-Motors

In cadmium plated case 2 3/4"x5 1/2"x4". Replaces vibrator types. Shpg. wt. 8 lbs. **W14201—For 6V. inp., delivers 225 V. at 50 ma. Drain 3.8 A.**  
**W14230—6V. inp., delivers 250 V. at 50 ma. Drain 4.2 A.**

Your Cost **\$7.64**  
Either Type **\$9.70**  
Each  
For replacing Ford-Majestic units, 250 V., 50 ma.  
W14182—Your Cost **\$7.64**

### UTAH "B" Eliminator

For Majestic Model 66 Exact duplicate. Contains transformer, vibrator, filter condenser and 84 rectifier. Heavy metal container. Complete instructions included. Shpg. wt. 8 lbs. With tube. **W14232—Your Cost \$5.25**

Mail Your Orders to NEW YORK CHICAGO or ATLANTA

**4 PILLAR  
CONSTRUCTION**

# RAYTHEON TUBES



**SIX MONTHS GUARANTEE  
10% ADDITIONAL DISCOUNT**

Raytheon tubes are guaranteed for a period of six months from the date of purchase. We will gladly exchange any tube that does not give efficient service within that period — without red tape. Burnouts and broken glass are, of course, exceptions to this.

An additional discount of 10%, from "Your Cost" prices, is available with each purchase of 25 or more tubes of any type whatsoever. Take advantage of this offer to increase your profits by purchasing tubes in quantity, to obtain this exceedingly liberal discount.

**4-Pillar Glass-Type Tubes**

Type No.	List Price	Your Cost	Type No.	List Price	Your Cost
00-A	\$1.35	\$ .68	35/51	\$1.00	\$ .50
01-A	.65	.32	36	1.00	.50
0Z3	1.35	.68	37	.75	.37
1A4	1.60	.80	38	1.00	.50
1A6	1.35	.68	39/44	1.00	.50
1B4/951	1.60	.80	40	.75	.37
1B5/25S	1.35	.68	41	1.00	.50
1C6	1.60	.80	42	1.10	.55
1F4	2.20	1.11	43	1.10	.55
1F6	1.60	.80	45	.75	.37
1-V	1.00	.50	46	1.10	.55
2A3	1.35	.68	47	1.00	.50
2A5	1.10	.55	48	2.60	1.30
2A6	1.10	.55	49	1.10	.55
2A7	1.35	.68	50	2.60	1.30
2B7	1.35	.68	52	1.70	.85
2E5	1.60	.80	53	1.35	.68
5Z3	1.00	.50	55	1.10	.55
6A3	1.60	.80	56	.75	.37
6A4 (LA)	1.35	.68	57	1.00	.50
6A6	1.35	.68	58	1.00	.50
6A7	1.35	.68	59	1.35	.68
6B5	2.25	1.13	71-A	.75	.37
6B7	1.35	.68	75	1.10	.55
6C6	1.10	.55	76	.75	.37
6D6	1.00	.50	77	1.10	.55
6E5	1.60	.80	78	1.10	.55
6E6	1.70	.85	79	1.35	.68
6F7	1.60	.80	80	.65	.32
6G5	1.60	.80	81	2.10	1.05
6Z4/84	1.35	.68	82	1.00	.50
12A5	2.10	1.05	83	1.00	.50
12A7	2.20	1.10	83-V	1.60	.80
12Z3	1.10	.55	84	1.35	.68
25Z5	1.10	.55	85	1.10	.55
10	2.10	1.05	89	1.10	.55
12-A	.75	.37	X99	1.10	.55
15	2.00	1.00	V99	1.10	.55
19	1.10	.55	182B	1.65	.83
20	1.10	.55	183	1.65	.83
22	1.35	.68	485	1.45	.73
24-A	1.00	.50	950	2.20	1.10
26	.65	.32	WD-11	1.35	.68
27	.75	.37	WX-12	1.35	.68
30	.75	.37	BA	7.50	3.77
31	.75	.37	BH	4.65	2.34
32	1.35	.68	BR	2.75	1.38
33	1.10	.55	LA (6A4)	1.35	.68
34	1.35	.68			

**4-Pillar All-Metal Type Tubes**

Type No.	List Price	Your Cost	Type No.	List Price	Your Cost
0Z4	\$1.35	\$.68	6K7	\$1.35	\$.68
5W4	1.10	.55	6L6	2.20	1.11
5Z4	1.35	.68	6L7	1.60	.80
6A8	1.35	.68	6N7	1.60	.80
6C5	1.10	.55	6Q7	1.35	.68
6F5	1.10	.55	6R7	1.35	.68
6F6	1.10	.55	6X5	1.35	.68
6H6	1.10	.55	25A6	1.60	.80
6J7	1.35	.68	25Z6	1.35	.68

**Octal Base Glass-Metal Tubes**

Type No.	List Price	Your Cost	Type No.	List Price	Your Cost
1C7-G	\$1.85	\$.93	6H6-G	\$1.10	\$.55
1D5-G	1.85	.93	6J5-G	1.10	.55
1D7-G	1.60	.80	6J7-G	1.35	.68
1E5-G	1.60	.80	6K5-G	1.35	.68
1E7-G	1.60	.80	6K6-G	1.35	.68
1F5-G	2.50	1.25	6K7-G	1.35	.68
1F7-G	1.85	.93	6L5-G	2.10	1.05
1H4-G	1.10	.55	6L6-G	2.20	1.11
1H6-G	1.60	.80	6L7-G	1.60	.80
1J6-G	1.35	.68	6N6-G	2.50	1.25
5V4-G	1.85	.93	6N6-MG	2.50	1.25
5X4-G	1.35	.68	6N7-G	1.60	.80
5Y3-G	1.10	.55	6P7-G	2.20	1.11
5Y4-G	1.10	.55	6Q6-G	2.10	1.05
6A8-G	1.60	.80	6Q7-G	1.35	.68
6B4-G	1.85	.93	6R7-G	1.35	.68
6B6-G	1.50	.75	6S7-G	2.10	1.05
6C5-G	1.10	.55	6X5-G	1.35	.68
6D8-G	2.10	1.05	25A6-G	1.35	.68
6F5-G	1.10	.55	25Z6-G	1.35	.68
6F6-G	1.35	.68			

**Majestic Shielded-Type Tubes**

Type No.	List Price	Your Cost	Type No.	List Price	Your Cost
2A7S	\$2.40	\$1.21	24S	\$1.40	\$.71
2S/4S	2.75	1.38	27S	.90	.45
2Z2/G84	1.95	.98	35S/51S	1.50	.75
6A7S	2.40	1.21	55S	1.80	.90
6B7S	2.20	1.11	56S	1.40	.71
6C7	2.00	1.01	57S	1.85	.93
6D7	1.85	.93	57AS	1.85	.93
6E7	1.85	.93	58S	1.85	.93
6F7S	2.00	1.01	58AS	1.85	.93
6Y5	2.00	1.01	75S	1.80	.90
6Z5	2.00	1.01	85AS	1.80	.90

**FREE! Technical Tube Data**

TECHNICAL DATA



A 4-page folder giving all technical data on the 4-pillar tubes. FREE with all purchases of Raytheon 4-pillar tubes.

**FREE! Tube Stickers**



A roll of 1000 Raytheon tube stickers with space for the date sold, date retested. FREE with purchases. Roll of 1000 stickers, imprinted with your name, address and tel. number. Shipped prepaid, \$1.00.

**FREE! Pkge. of 10 Tube Cartons**

Dummy tube cartons, full sized, offered FREE to all purchasing Raytheon tubes. Put up in display packages containing 10 dummy cartons. Ideal for dressing up your window display or as counter sales aids.



**FREE! Tube Talks**

A complete technical data book on all tubes; circuits, applications, etc. Neatly bound. FREE WITH PURCHASES OF 25 RAYTHEON TUBES.





# Radiotron

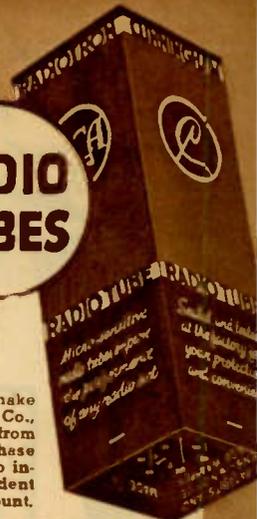
**RADIO TUBES**

## SIX MONTHS GUARANTEE

RCA Radiotron Tubes are the standard of excellence the world over, and we back them up with as broad a guarantee that has ever been placed on a radio tube. We guarantee that each tube will give efficient, satisfactory service for six months—should any tube purchased from us fail to do so, we will cheerfully and promptly replace it. Burnouts and broken glass are exceptions.

## 10% ADDITIONAL DISCOUNT

Servicemen and dealers will find it profitable to make their tube purchases at Wholesale Radio Service Co., Inc. An additional discount of 10%, deducted from "Dealer's Cost" prices, is available with each purchase of 25 tubes or more. Take advantage of this offer to increase your tube profits by purchasing a sufficient number of tubes to avail yourself of this extra discount.



### SPECIAL OFFERS!

#### Cigarette Lighter



Shaped exactly like an RCA Metal Tube, this high quality lighter is useful, unusual, and built to give long service. **W 21912—FREE WITH PURCHASES OF 25 RCA RADIOTRONS.**

#### RCA Pencil



A special, automatic "Resistor Guide" pencil that will save you time and trouble. Just rotate colored bands to correspond with your unknown resistor, and presto, you know the value.

**W 21913—FREE WITH PURCHASES TOTALLING 50 RCA RADIOTRONS (save sales slips).**

#### TECHNICAL BOOKS



**GLASS TUBE MANUAL**  
154 pages of data, circuit design and applications.  
**W 19963—YOUR COST .20c**

**METAL TUBE BULLETIN**  
Complete data on all the new all-metal tubes.  
**W 20003—YOUR COST .10c**

**SOCKET LAYOUT GUIDE**  
Tubes and layout diagrams of all sets from 1932.  
**W 19962—YOUR COST .39c**

**CATHODE RAY BOOK**  
Latest data on cathode ray tubes.  
**W 19999—YOUR COST .20c**

**ABOVE FREE WITH 25 RCA RADIOTRONS**

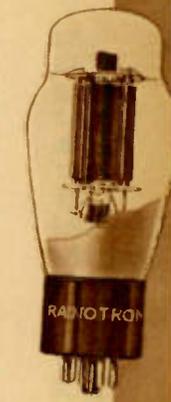
**RIDER'S BUSINESS BOOK**  
Textbook on business methods in radio servicing.  
**W 19991—YOUR COST \$1.85**

**ABOVE FREE WITH 100 RCA RADIOTRONS**

**FREE! FREE! FREE!**  
To all purchasing RCA Radiotrons from Wholesale Radio Service Co., Inc.—  
—De-calcomanias—Price Tags—Dummy Certons—Repair Tickets—"Not Home" Cards. Just ask for them!

### GLASS TYPE TUBES

TYPE NO.	LIST PRICE	DEALER'S COST	TYPE NO.	LIST PRICE	DEALER'S COST	TYPE NO.	LIST PRICE	DEALER'S COST
00-A	\$1.25	\$.73	40	\$.69	\$.40	85	\$.99	\$.58
01-A	.59	.34	41	.89	.52	89	.99	.58
1-V	.89	.52	42	.99	.58	V99	.99	.58
1A4	1.50	.88	43	.99	.58	X99	.99	.58
1B4	1.75	1.03	45	.69	.40	1A6	1.25	.73
1F4	1.50	.88	46	.99	.58	2A3	1.25	.73
1F6	1.50	.88	47	.89	.52	2A5	.99	.58
10	2.00	1.18	48	2.50	1.47	2A6	.99	.58
11	1.25	.73	49	.99	.58	2A7	1.25	.73
12	1.25	.73	50	2.50	1.47	6A4	1.25	.73
112A	.69	.40	53	1.25	.73	6A6	1.25	.73
19	.99	.58	55	.99	.58	6A7	1.25	.73
20	.99	.58	56	.69	.40	1B5	1.25	.73
22	1.25	.73	57	.89	.52	25S	1.25	.73
24-A	.89	.52	58	.89	.52	2B7	1.25	.73
26	.59	.34	59	1.25	.73	6B7	1.25	.73
27	.69	.40	71-A	.69	.40	1C6	1.50	.88
30	.69	.40	75	.99	.58	6C6	.99	.58
31	.69	.40	76	.69	.40	6D6	.89	.52
32	1.25	.73	77	.99	.58	6E5	1.50	.88
33	.99	.58	78	.99	.58	6F7	1.50	.88
34	1.25	.73	79	1.25	.73	6G5	1.50	.88
35	.89	.52	80	.59	.34	5Z3	.89	.52
36	.89	.52	81	2.00	1.18	12Z3	.99	.58
37	.69	.40	82	.89	.52	25Z5	.99	.58
38	.89	.52	83	.89	.52	874	4.90	2.88
39	.89	.52	83-V	1.50	.88	876	6.70	3.94
44	.89	.52	84	1.25	.73	886	6.75	3.97



### G-SERIES OCTAL BASE

5V4G	\$1.75	\$1.03	6F6G	\$1.25	\$.73	6Q7G	\$1.25	\$.73
5X4G	1.25	.73	6H6G	1.00	.59	6R7G	1.25	.73
5Y3G	1.00	.59	6J7G	1.25	.73	6X5G	1.25	.73
6ASG	1.50	.88	6K7G	1.25	.73	25A6G	1.25	.73
6C5G	1.00	.59	6L7G	1.50	.88	25Z6G	1.25	.73
6F5G	1.00	.59	6N7G	1.50	.88			

### ALL-METAL TUBES

5W4	\$1.00	\$.59	6H6	\$1.00	\$.59	6Q7	\$1.25	\$.73
5Z4	1.25	.73	6J7	1.25	.73	6R7	1.25	.73
6A8	1.25	.73	6K6	2.00	1.18	6X5	1.25	.73
6C5	1.00	.59	6K7	1.25	.73	25A6	1.50	.88
6F5	1.00	.59	6L7	1.50	.88	25Z6	1.25	.73
6F6	1.00	.59	6N7	1.50	.88			

# Lafayette RADIO TUBES



*Quality at Economy Prices*

## 100% Protection Afforded By Our SIX MONTHS GUARANTEE

Every tube that leaves our warehouse carries with it a guarantee for a period of six months. REPLACEMENTS WILL BE MADE CHEERFULLY, PROMPTLY AND WITHOUT CHARGE if any tube should fail to give the excellent and efficient service for which LAFAYETTE tubes are known. Burn-outs and breakages are the only exceptions. This broad guarantee is made possible only because of the careful and accurate testing each tube goes through before it is offered for sale.

An elaborate and comprehensive testing laboratory is maintained by Wholesale Radio Service Co., Inc., and you can therefore be assured of perfect quality and better performance from your tubes. Because of the tremendous stock our warehouse holds, we can supply you with limitless quantities of tubes without delay. SHOULD TUBE PRICES DECREASE OR INCREASE AFTER THIS CATALOG IS PUBLISHED OUR PRICES WILL CHANGE ACCORDINGLY. Buy where you can be assured of "quality at economy prices".

TYPE NO.	LIST PRICE	YOUR COST	TYPE NO.	LIST PRICE	YOUR COST
<b>GLASS TYPE TUBES</b>					
00A	\$1.35	\$.61	30	\$.80	\$.33
01A	.70	.28	31	.80	.33
1A4	1.75	.73	32	1.35	.61
1A6	1.35	.61	33	1.10	.49
1B4	2.00	.87	34	1.35	.61
1B5/25S	1.35	.61	35	1.00	.43
1C6	1.60	.75	36	1.00	.43
1-V	1.00	.43	37	.80	.33
2A3	1.35	.61	38	1.00	.43
2A5	1.10	.49	39/44	1.00	.43
2A6	1.10	.49	40	.80	.33
2A7	1.35	.61	41	1.00	.43
2B6	2.50	1.10	42	1.10	.49
2B7	1.35	.61	43	1.10	.49
5Z3	1.00	.43	45	.80	.33
6A3	1.60	.61	46	1.10	.49
6A4	1.35	.61	47	1.00	.43
6A6	1.35	.61	48	2.60	1.22
6A7	1.35	.61	49	1.10	.49
6B5	2.25	1.03	50	2.60	1.22
6B7	1.35	.61	53	1.35	.61
6C6	1.10	.49	55	1.10	.49
6D6	1.00	.43	56	.80	.33
6E5	1.60	.73	57	1.00	.43
6F7	1.60	.73	58	1.00	.43
6Z4/84	1.35	.61	59	1.35	.61
10	2.10	.98	71A	.80	.33
12A	.80	.33	75	1.10	.49
12A5	2.10	.98	76	.80	.33
12A7	2.20	.98	77	1.10	.49
12Z3	1.10	.49	78	1.10	.49
19	1.10	.49	79	1.35	.61
20	1.10	.49	80	.70	.28
22	1.35	.61	81	2.10	.98
24A	1.00	.43	82	1.00	.43
25Z5	1.10	.49	83	1.00	.43
26	.70	.28	83V	1.60	.73
27	.80	.33	84/6Z4	1.35	.61

TYPE NO.	LIST PRICE	YOUR COST	TYPE NO.	LIST PRICE	YOUR COST
85	\$1.10	\$.49	99X	\$1.10	\$.49
89	1.10	.49	183	1.65	.81
99V	1.10	.49	485	1.45	.71

<b>METAL GLASS TYPE TUBES</b>					
TYPE NO.	LIST PRICE	YOUR COST	TYPE NO.	LIST PRICE	YOUR COST
1C7G	\$1.85	\$.91	6F5G	\$1.10	\$.49
1D5G	1.85	.91	6F6G	1.35	.61
1D7G	1.60	.78	6H6G	1.10	.49
1E5G	1.60	.78	6J5G	1.10	.54
1E7G	1.60	.78	6J7G	1.35	.61
1F5G	2.35	1.15	6K5G	1.35	.66
1F7G	1.85	.91	6K6G	1.35	.66
1H4G	1.10	.54	6K7G	1.35	.61
1H6G	1.60	.78	6L6G	2.10	1.03
1J6G	1.35	.66	6L7G	1.60	.73
5V4G	1.85	.85	6N6G	2.50	1.22
5X4G	1.35	.61	6N7G	1.60	.73
5Y3G	1.10	.49	6Q7G	1.35	.61
6A8G	1.60	.73	6R7G	1.35	.61
6B4G	1.85	.91	6X5G	1.35	.61
6C5G	1.10	.49	25A6G	1.35	.61
			25Z6G	1.35	.61

<b>ALL METAL TYPE TUBES</b>					
TYPE NO.	LIST PRICE	YOUR COST	TYPE NO.	LIST PRICE	YOUR COST
5W4	\$1.10	\$.54	6L6	\$2.10	\$.99
5Z4	1.35	.66	6L7	1.60	.73
6A8	1.35	.61	6N7	1.60	.73
6C5	1.10	.49	6Q7	1.35	.61
6F5	1.10	.49	6R7	1.35	.61
6F6	1.10	.49	6X5	1.35	.61
6H6	1.10	.49	25A6	1.60	.61
6J7	1.35	.61	25Z6	1.35	.61
6K7	1.35	.61			

### NOTE

A complete variety of low and high power transmitting tubes, as well as accessory equipment, will be found listed on page 85. Special types not shown in this book can be supplied on order at regular trade discounts.

# Priced **50-0-0** LOW you will stock up



## 10 Candohm Units



Standard equipment in many of the present day receivers. Shielded resistors; fibre insulation; wire wound. Mounting flanges on each unit. Ten popular sizes.  
**W3851—**  
**Kit of 10..... 69¢**

## Bias Resistors



Fifteen assorted wire wound resistors designed for biasing tubes, center tapped filament resistors, etc. Shpg. wt. 2 lbs.  
**W3850—**  
**Kit of 15..... 25¢**

## RMA Color Coded Carbon Resistors



These resistors are offered at a price far below the market. Specify stock number of type and resistance.

Ohms	Ohms	Ohms	Ohms
100	3000	30000	250000
150	5000	35000	300000
200	6000	50000	400000
250	7500	60000	500000
500	10000	70000	750000
600	12000	75000	1 Meg.
750	12500	80000	1 1/2 Meg.
900	13000	90000	2 Meg.
1000	15000	100000	2 1/2 Meg.
1500	17500	125000	3 Meg.
2000	20000	150000	5 Meg.
2500	25000	200000	

**W5239—1/4 Watt**  
**W5240—1 Watt**  
**Either Type, Each..... 3¢**  
**100 for..... \$2.50**

## ASSORTED LENGTHS OF HOOKUP WIRE



Little things often make the difference between a profit and a loss. Every serviceman can make good use of the wire bundles listed below. You just can't go wrong. Each bundle contains lengths of wire ranging in size from 2" to 1 ft. All lengths have tinned ends, ready for instant soldering.

Wire types include: rubber covered hook-up wire, lacquered cotton covered hook-up wire, solid push-back wire, etc.

**W16049—1 lb. Bundle 25¢**  
**Your Cost**  
**W16048—2 lb. Wire Bundle 45¢**  
**Your Cost**  
**W16047—3 lb. Wire Bundle 65¢**  
**Your Cost**  
**W16046—5 lb. Wire Bundle 98¢**  
**Your Cost**

## SERVICEMEN—TAKE NOTICE

The kits and assortments listed on this page represent the most often replaced components in a radio set. All are specially priced to enable you to stock-up now and obviate expensive "emergency buying" of single units. If bought separately, the components of any single kit or assortment would cost many times the prices shown below. So stock up now!

## R. M. A. Color-Coded Carbon Resistor Kits

All RMA color coded—just what the serviceman needs. These resistors are used every day in the course of repair work. Kit contains approximately the following: 25—1/4 watt, 25—1/2 watt and 50—1 watt resistors. All popular replacement values. Shpg. wt. 2 lbs.  
**W3852—**  
**Kit of 100..... \$1.35**



**50 ASSORTED RESISTORS**  
 Similar to above kit, 50 resistors. Comprises 1/4, 1/2 and 1 watt resistors all RMA color coded.  
**W3859—**  
**Your Cost, Kit of 50..... 69¢**

**25 ASSORTED RESISTORS**  
 Twenty-five assorted 1/4, 1/2 and 1 watt resistors. All coded. Shpg. wt. 1 lb.  
**W3867—**  
**Kit of 25..... 37¢**

## By-Pass Condenser Assortment



Contains 25 popular tubular by-pass condensers, are of standard capacity and working voltage. Capacities range from .00025 to .1mf. Shpg. wt. 2 lbs.  
**W3360—**  
**Your Cost, Kit of 25..... 59¢**

## Kit of 10 Popular-Size Electrolytics



Ten dry electrolytic units. Included are carton, tubular and aluminum can types, etc. Single and multiplexion electrolytics in each kit. By-pass and filter (550 volts peak) types. Shpg. wt. 3 lbs.  
**W3868—**  
**Your Cost..... \$1.49**

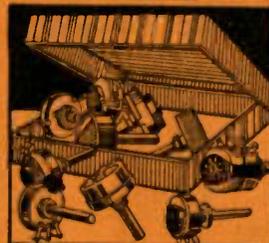
## Voltage Divider Assortment



A kit of 10 selected voltage dividers made up of vitreous enameled and open wire wound types with wattage ratings from 20 to 75 watts. Resistors of this type are always handy around the shop since they can be used for power work. Shpg. wt. 4 lbs.  
**W3853—**  
**Kit of Ten..... 45¢**

## Assortment of 10 Volume Controls

Contains 10 assorted volume controls, each new and useable. All of standard manufacture, and designed for standard radio circuits such as: C bias, antenna shunt, tone control, etc. Several types with switch included. Shpg. wt. 3 lbs.  
**W6354—**  
**Kit of Ten..... \$1.25**



## SERVICE WIRE KIT — CUT LENGTHS



Approximately 200 feet of wire in lengths from 4" to 24". Wire types include: push-back, rubber covered, shielded, twisted pair, parallel, hook-up, lamp cord, etc., etc. All brand new. Wt. 4 lbs.  
**W16299—**  
**Your Cost..... 25¢**

## Kit of 10 Radio Knobs



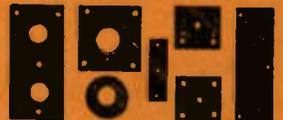
Ten assorted radio knobs, including wood and Bakelite types with set screws and springs.  
**W9662—**  
**Kit of 10..... 25¢**

## R. F. Choke Kit



Contains 10 assorted wood core r.f. chokes with inductances ranging from 2 to 16 millihenrys. All types have leads—brand new. Wt. 2 lbs.  
**W10110—**  
**Your Cost, Kit of 10..... 29¢**

## Kit of Bakelite and Fibre Insulators



Envelope of 25 assorted pieces of fibre and bakelite in all shapes and sizes. Includes insulators, socket locators, washers, terminal strips, etc.  
**W51266—**  
**Your Cost, Envelope of 25..... 9¢**

## 10 DIAL SCALES



Contains 10 dial scales, including: fan type, drum type, etc. Several "all-wave" dial scales supplied. Scales are all sizes and colors—all are useable.  
**W9801—**  
**Your Cost..... 19¢**

## Wafer Tube Sockets

The 5-prong sockets are marked with "5prk" and have mounting centers 1 1/4" apart. The 6 and 7-prong sockets are unmarked; mounting centers 1 1/2" apart.  
**W13128—5 prong, 10 for 15c 2¢**  
**Your Cost**  
**W13159—6 prong**  
**W13193—7 prong, small. 1 1/2¢**  
**Your Cost Each.....**  
 50 for..... 60c      100 for..... 90c



## Five-Prong Male Plug

All Bakelite shell Prongs on detachable fibre base.  
**W11778—**  
**Your Cost..... 5¢**



Every Day is BARGAIN DAY at Wholesale Radio Service Co. Inc.

# BARGAINS

QUANTITY LIMITED



**LOW PRICES**

### 3-Gang .000365 Mfd. Variable Condenser



Features include: ball bearing rotor, heavy aluminum plates, low shields between sections. Capacity, .000365 mfd.—for t.r.f. sets or superhets (with padders). Trimmers on side. Upright mounting.  $3\frac{1}{2} \times 1\frac{1}{2} \times 3\frac{1}{2}$ " Shaft  $\frac{3}{8}$ ". Counter-clockwise rotation. Shpg. wt. 2 lbs. **W9760—Your Cost..... 29<sup>c</sup>**

### .25 Mfd. and .5 Mfd. Tubular Condensers



High quality paper tubular condensers with 600 volts d.c. working voltage. Sealed in pitch, in cardboard case. Long leads have spade lugs. Ideal for auto ammeter condensers. Quantity limited. **W3500—.25 mfd. Each..... 6<sup>c</sup>**  
**W3501—.5 mfd. Your Cost Each..... 8<sup>c</sup>**

### Synchronous Phonograph Motors



These excellent phonograph motors are being offered at exceptionally low prices. Designed for use in RCA and G.E. equipment. Are sturdily built and fool-proof. Free from variations in speed that cause "wow". Synchronous motor attains 78 r.p.m. speed rapidly and maintains it. Can be used with two-speed turntables. Motors supplied less turntable and mounting springs. Quantity limited. Shpg. wt. 7 lbs.  
**W189—For 110 volts, 60 cycles a.c. Your Cost..... \$3.95**  
**W190—For 110 volts, 25 cycles. W191—For 110 volts, 40 cycles. Your Cost Either Type..... \$4.24**

### .5 Mfd. 1000 Volt Cased Condenser



A high voltage by-pass condenser suited for use in radio receivers and low-powered transmitters. Rated .5 mfd., 1000 volts d.c. working voltage. Perfectly sealed in container and provided with leads.  $4\frac{1}{2} \times 2\frac{3}{4}$ ". **W498—Your Cost..... 9<sup>c</sup>**  
**Special.....**

### Seven Section Paper Filter Block



Contains seven high voltage paper sections with following capacities: 3-2 mfd., 3-1 mfd. and 1-1.4 mfd. Common negative. In cardboard container  $5 \times 4\frac{3}{4} \times 2\frac{3}{4}$ ". Used in the Brunswick model B chassis (15, 22, 32, 42). Shpg. wt. 3 lbs. **W1054—Your Cost..... 15<sup>c</sup>**

### 1 Mfd. 1000 Volt Cased Condenser

High voltage paper condenser in metal can  $5\frac{3}{4} \times 2\frac{3}{4} \times 1\frac{1}{4}$ " mounting centers  $5\frac{1}{4}$ ". Long leads, insulated. Shpg. wt. 1 lb. **W564—Your Cost, Special..... 39<sup>c</sup>**



### Six Section Paper Filter Block

Contains six high voltage paper sections as follows: 3-1 mfd., 1-1.75 mfd., 1-5 mfd. and 1-25 mfd. Ideal for use by set builders and experimenters. Solder lug terminals mounted on a fibre strip. In cardboard container  $5 \times 3\frac{1}{2} \times 1\frac{1}{2}$ ". Shpg. wt. 3 lbs. **W1055—Your Cost..... 15<sup>c</sup>**



### Tubular Cartridge Paper By-Pass Units

A line of standard size tubular by-pass condensers at extremely low prices. Provided with bare wire leads securely fastened to the terminals so that they cannot pull out.

Stock No.	Cap. Mfd.	Wkg. Volts	Your Cost
W3507	.01	400	\$0.04
W3508	.05	400	.05
W3509	.1	400	.06
W3510	.25	400	.10
W3511	.5	400	.13
W3512	1.0	400	.18
W3512	.001	600	
W3513	.002	600	
W3514	.005	600	
W3515	.006	600	
W3516	.01	600	
W3517	.02	600	
W3518	.05	600	
W3519	.1	600	
W3524	.25	600	
W3525	.5	600	

### .0022 Mfd. Tubular Capacity

220 mmfd., 600 volt, d.c. wkg. volts. Sealed in fibre sleeve. Long insulated leads. **W3499—Your Cost..... 2<sup>c</sup>**  
 10 for..... 16c



### New! SOLAR "Domino" Paper Condensers



A new development in paper condensers. These special flat units are molded into treated Bakelite cases and provided with long stiff wire leads. Completely sealed against moisture. Capacities plainly marked on the housing. Compact type (approx.  $1\frac{1}{2} \times \frac{3}{4} \times \frac{3}{4}$ "). For receivers, transmitters and amplifiers.

Stock No.	Cap. Mfd.	Wkg. Volts	Your Cost
W4200	.001	1000	
W4201	.002	1000	
W4202	.003	1000	
W4203	.004	1000	
W4204	.005	1000	
W4205	.006	1000	.18c
W4206	.01	1000	.21c
W4207	.001	600	
W4208	.002	600	
W4209	.003	600	
W4210	.004	600	
W4211	.005	600	
W4212	.006	600	
W4213	.01	600	.15c

Stock No.	Cap. Mfd.	Wkg. Volts	Your Cost
W4214	.02	600	
W4215	.05	600	
W4216	.01	400	.12c
W4217	.02	400	
W4218	.05	400	
W4219	.1	400	
W4220	.01	200	.11c
W4221	.02	200	
W4222	.05	200	
W4223	.1	200	
W4224	.15	200	.15c
W4225	.2	200	
W4226	.25	200	.18c

**10% DISCOUNT LOTS OF 100**

### Shielded Antenna Coil

Fully shielded in aluminum can  $2\frac{1}{4}$ " high by  $1\frac{1}{2}$ " diameter. Silk covered primary and secondary windings. For use with .000365 mfd. variable condenser. **W10064—Your Cost..... 15<sup>c</sup>**



### Combined Oscillator-I.F. Coil 456 Kc.

Composite oscillator and 456 kc. i.f. coil. Top tuning. Insulantite base trimmers. Leads for i.f. connections, lugs for oscillator connections. 3" high,  $1\frac{1}{2}$ " diameter. **W10053—Your Cost..... 29<sup>c</sup>**



### TRANS-PIX Picture Printing Outfit

A new, novel and practical kit for home printing of pictures from negatives. Prints on paper, cloth, metal, etc. Kit contains bottle of sensitizing solution, glass plate, cardboard "backing", clamps, package of "fixer" and full instructions. Makes finished positives. Shpg. wt. 2 lbs. **W18390—Your Cost..... 79<sup>c</sup>**



### S. P. D. T. Slide Button Switch

Made by Cutler-Hammer S.P.D.T. with screw terminals. Centers  $1\frac{1}{4}$ ". **W12824—Your Cost Each 10<sup>c</sup>**



### \* SPECIAL BARGAIN OFFER \* AUTO RADIO VIBRATORS

A special offer of these standard replacement vibrators. All are brand new—of standard manufacture, and are fully guaranteed under RMA ratings. Built using high quality components; oversized points, special metal reeds, heavy duty coil, etc., etc. Will give long continued trouble-free service. Only the types listed below, for popular makes of auto radios, are available. All units are triple shielded; are practically noiseless in operation. Quantities limited. Shipping weight 2 lbs.

No.	Manufacturer	Each	No.	Manufacturer	Each
W14619	BUICK-OLDS-PONTIAC		W14625	MOTOROLA (Cont.)	\$1.78
W14627	1 and 2 unit non-synchronous.....	\$1.66	W14629	66, 77.....	2.61
W14619	1 and 2 unit synchronous.....	2.37	W14632	PHILCO	
W14627	980383, 890393.....	1.66	5, 6, 9, 10, 11, 51, 800, 805, 806, 807, 808, FN, 1934	2.10	
W14627	980441, 980455.....	2.37	W14631	RCA-VICTOR	
W14633	MAJESTIC		M34, M105, M116	2.53	
W14621	MOTOROLA		W14625	M107.....	1.78
W14630	Dual 6, Twin 8.....	1.87	W14629	STROMBERG-CARLSON	
W14630	44, 55, 55A.....	2.66	1933 and 1934	2.61	
W14628	S6, 44A, 66A, 77A	2.37			

### RADIART Replacement Auto Vibrators

These efficient vibrators are used as standard equipment in a great number of the popular makes of auto radios on the market today. All are built to exacting standards.

Stock No.	Rad. No.	List Price	Your Cost	Stock No.	Rad. No.	List Price	Your Cost
W14263	5300	\$4.50	\$2.65	W14269	2867	\$4.50	\$2.65
W14264	5310	4.50	2.65	W14275	3319	5.60	3.23
W14265	5400	5.00	2.94	W14274	3320	4.00	2.94
W14266	5420	5.00	2.94	W14270	3442	4.75	2.79
W14267	5321	4.50	2.65	W14271	3461	5.25	3.09
W14268	5320	4.00	2.36	W14273	4260	4.50	2.65



### Arvin-Motorola Vibrator

Exact duplicate replacement. For Arvin models 7, 17, 27, 37 and 17A; for Motorola models 57, 75, 100, F7, F100, GM57, GM75, and GM100. Also used in Zenith models 5610, 5616 and 1935 models. Wt. 2 lbs. **\$1.29** Each.....



### 32-Volt Vibrator Type F-11

Dual reed type, self rectifying. Used in L'Atatro models N54 (Governor), L54 (Lt. Governor), 084 (President). Delivers 200 volts at 35-40 ma. Shpg. wt. 5 lbs. **W6128—Each..... 75<sup>c</sup>**





# Special Values in DRY ELECTROLYTICS

## 8 Mfd. 450 Volt Dry Electrolytic Condenser



550  
Volts  
Peak

A real bargain special in these 8 mfd. 450 volts (550 volts peak) dry electrolytics. In cardboard containers with flanges for mounting. Long insulated leads for connections. Of standard manufacture—built to high standards and fully guaranteed. Overall size: 4 1/2" long, 1 1/2" wide and 1" high; centers 4 1/2" apart. Units fully impregnated. Shpg. wt. 1 lb. List Price \$5c

W3200—  
Your Cost Each  
Special

**17c**

## Dual 8 Mfd. 450 Volt Dry Electrolytic



550  
Volts  
Peak

Another "super-special" bargain. This dual 8 mfd., 450 volt (550 volts peak) condenser is housed in an impregnated cardboard container with mounting flanges. Four leads—separate sections. Standard manufacture—fully guaranteed. Overall size: 4 1/2" long, 1 1/2" wide and 1 1/2" high; mounting centers 4 1/2". Shpg. wt. 1 lb. List Price \$1.40

W3201—  
Your Cost Each  
Special

**39c**

## A.C.-D.C. Electrolytic 16-8-5-5 Mfd., 200-35 V.



Filter  
and  
By-  
Pass  
Block

This popular type filter and by-pass assembly is especially well suited for use in a.c.-d.c. midsets. Four sections: 16 and 8 mfd. at 200 volts peak, 5-5 mfd. at 35 volts peak. Well impregnated and perfectly sealed. In cardboard container with flanges. Color and coded leads. Size: 3x1 1/2x1 1/2"; centers 3 1/2". Shpg. wt. 1 lb. List Price \$1.75

W3202—  
Your Cost Each  
Special

**45c**



### Compact Cartons

Only 2 1/4" long. Popular for use in midset sets. Units marked with † have 6" leads; marked ‡ have lug terminals.

Stock No.	Cap. Mfd.	Peak Volts	Size W x H	Your Cost
W3299†	1/2	500	1 1/2 x 3/4	.16
W3109†	2	500	1 1/2 x 3/4	.19
W3110†	4	500	1 1/2 x 3/4	.24
W3111†	8	500	1 1/2 x 1 1/2	.27
W3112†	4-4	200	1 1/2 x 3/4	.33
W3113†	8-8	200	1 1/2 x 3/4	.39
W3114†	5-5	50	1 1/2 x 3/4	.23

### Round Metal Can Units—500 Volts Peak



Inverted types have stud to fit 3/8" hole (illus.). Upright types for clamp mounting. All 450 volts wkg., 500 volts peak.

#### Inverted Mtg. Type

(Can is common negative)

Stock No.	Cap. Mfd.	Size L. x D.	Your Cost
W3104	4	2 3/4 x 1 1/4	50.26
W3105	6	4 1/2 x 1 1/2	.27
W3106	8	4 3/4 x 1 1/2	.29
W3107	4-4	4 1/2 x 1 1/2	.37
W3108	8-8	4 1/2 x 1 1/2	.52

#### Upright Mtg. Type

(Can is common negative)

Stock No.	Cap. Mfd.	L.	Size Dia.	Your Cost
W3129	8-8	4 1/2	2 1/4"	\$0.58
W3126	5-15	4 1/2	2 1/2"	.73
W3131	8-8-8	4 1/2	3"	.89
W3132	8-8-8-8	4 1/2	3"	1.15
W3133	9-9-18	4 1/2	3 1/2"	1.12
W3134	8-8-18-18	4 1/2	3 1/2"	1.59

### Tubular Electrolytics



Compact tubular cartridges ideally suited for use in midset receivers. Provided with stiff wire leads. Capacities marked.

Stock No.	Cap. Mfd.	Wkg. Volts	Peak Volts	Your Cost
W3145	5	35	50	14c
W3146	10	35	50	16c
W3251	8	175	200	22c
W3355	12	175	200	23c
W3356	16	175	200	25c
W3250	4-4	175	200	10c
W3252	8-8	175	200	33c

### POLYMET .0001 Mica



A popular type mica condenser at a real bargain price. Tested at 600 volts.

In molded Bakelite case. Capacity .001 mfd.—List Price 20c  
W3817—  
Your Cost Each

**2c**

### Metal Cased By-Pass Block



General replacement unit in metal container with lugs. Contains 2-.25 mfd. and 1-.75 mfd. sections, 400 volts wkg. 2 1/2 x 2 1/2".

W485—  
Your Cost Each

**5c**

### SPARTON By-Pass Condensers



Used in several Sparton models, including: 737, 740, 591, 701, 101, 981, etc. Improved type. Metal shell with threaded insert in base. Exact duplicates.

W545—25 mfd., 400 v.	<b>26c</b>
W546—5 mfd., 400 v.	<b>29c</b>
W547—1.0 mfd., 400 v.	<b>31c</b>

SPARTON 410 By-Pass Part No. A-6456. Contains four .3 mfd. sections.  
W548—Your Cost Each

**19c**

### EVEREADY 50 By-Pass



Exact duplicate of the original Eveready part No. 2822. Contains three .5 mfd., 400 volt sections. Can negative. Has many other uses. Shipping weight

1 lb. List Price \$1.50  
W541—Your Cost Each

**69c**

### Compact Electrolytics With Mounting Flanges



These units are contained in tough fibre-cardboard housings which are provided with mounting flanges. When clamp mounting is desired, tabs may be cut off, without exposing the foil or injuring the container. Multiple section units have separate negative and positive terminals. 4 1/2" long, 1 1/2" wide.

Stock No.	Cap. Mfd.	Wkg. Volts	Peak Volts	Your Cost
W3115	4	450	500	22c
W3116	8	450	500	25c
W3117	4-4-4	450	500	60c
W3118	8-8	450	500	44c
W3119	8-8-8	450	500	65c
W3125	50	25	35	25c

### Six Section Electrolytic Filter Block



A complete electrolytic filter and by-pass block. Contains six sections with the following capacities: three 4 mfd., 140 volt sections; one 4 mfd., 220 volt section; one 4 mfd., 180 volt section; one 15 mfd., 20 volt section. All voltages given are d.c. working voltages. Housed in cardboard container 3 1/2 x 2 x 1 1/2"; centers 4". Shpg. wt. 1 lb. List \$2.50

W3368—  
Your Cost

**25c**

### Dual Tubular Unit 4-10 Mfd., 200-25 V.

A combined filter and by-pass assembly housed in a tubular cartridge container and provided with four color coded leads (separate sections). Capacities: 4 mfd. at 200 volts, 10 mfd. at 25 volts (d.c. working voltage). Designed for clamp or strap mounting. Overall size: 3 1/2" high, 1 1/2" diameter. Silvered carton. Perfectly sealed.  
W3357—Your Cost

**16c**

### 8 Mfd., 500 V. Wet Electrolytic Unit

A special offer of these 8 mfd., 500 volts (d.c. working voltage) wet electrolytics. In round metal cans, for clamp mounting. Of standard manufacture, brand new. Only a limited quantity available. Shpg. wt. 1 lb. Less Clamp.  
W3298—  
Your Cost

**16c**

### Special Offer Of Mica Condensers

At New Low Prices!



A special low priced bargain offer of these mica receiving condensers. All housed in sturdy molded Bakelite cases and provided with solder lug terminals. All of standard and popular manufacture. Specify capacity desired when ordering.

Cap. Mfd.	Cap. Mfd.	Cap. Mfd.	Cap. Mfd.
.000005	.00004	.0002	.00037
.00001	.00005	.00025	.0005
.000025	.0001		

W4189—List Price 15c  
Your Cost Each

**3c**

Per Dozen.....35c

### COLONIAL Model 32

By-Pass No. 1748-SA. Genuine part for models 32 a.c. and 32 d.c. R.F. by-pass. Contains 2-1 and 1-.5 mfd. sections.



W688—Your Cost Each **35c**  
Detector by-pass, part No. 1728-SA. 1-1-.25-1 mfd. **59c**  
W691—Your Cost

### A. K. Speaker By-Pass



For models 37, 38, 40, 42, 44 and 46. Guaranteed equal to or superior to the original. Capacity .5 mfd. No changes necessary to install.  
Your Cost **79c**  
R.F. By-Pass Same models as above. Three .25 mfd. sections.

W3960—Your Cost **49c**

Every Day is BARGAIN DAY at Wholesale Radio Service Co. Inc.

# We Want SALES-- These Prices Prove It!

## Special Bargain ★ Gang Switches ★

**3-Pole, Double Throw**



A bargain among bargains. These switches can be used by servicemen and set builders for test instruments, radio receivers (for band switching), etc. Made up of 9 silvered contacts on a Bakelite disc 1 1/2" in diam. Rotating member has 8 silvered shorting blades. With 3/4" bushing. Wedged grips prevent whole unit from turning if mounting nut should loosen. Milled shaft is 2" long and 1/4" dia. For use as three pole d.t. or 3-circuit shorting switch.

**W12961—**  
**Your Cost Each..... 15¢**

## Combination 4-Pole D. T. and Single Pole Single Throw



Double gang switch with all Bakelite insulation and silvered, self-cleaning contacts. Rear unit has one d.p.d.t. and one s.p.s.t. member; front unit is d.p.d.t. An aluminum plate acts as a shield between the two sections. A 1/2" bushing keeps the switch 1" in back of panel. Threaded bushing is 3/4" diam, and extends 1/2". Shaft is 2 1/2" long, milled, and 1/4" in diameter.

**W12962—**  
**Your Cost Each..... 19¢**

## S. P. S. T. Toggle Switch



Rated 3 amps, at 250 volts. Bakelite housing. Has 6" insulated leads. 3/4" bushing extends 1/4". Limited quantity available.

**W12821—**  
**Your Cost Each..... 10¢**  
**Per Dozen..... \$1.00**

## Triple Crystal Detector



Three high quality galena crystals mounted in a single base. Each individually tested for tone, selectivity and sensitivity. Maintains maximum volume on your crystal receiver at all times. Mounts in standard holder.

**W13912—**  
**Your Cost..... 19¢**

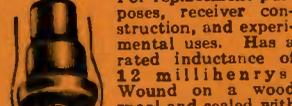
## VICTOR Antenna Choke



Models R32, RE45, R52, RE75  
Victor part No. 10444. 150 turns No. 34 wire wound on wooden spool. With tinned leads.

**W10122—**  
**Your Cost Each..... 5¢**  
**Per Dozen..... 55¢**

## Special R.F. Choke



For replacement purposes, receiver construction, and experimental uses. Has a rated inductance of 12 millihenrys. Wound on a wood spool and sealed with pitch. Long leads.

**W10132—**  
**Your Cost Each..... 8¢**

## ★ Special Values in Quality Speakers ★

### 6" Dynamic With 1290 Ohm Field Coil



Excellent constructed dynamic speaker. Ideal for set builders or for replacement purposes. 6" cone diameter. Heavy field coil has total resistance of 1290 ohms. Complete with transformer to match single 47 or 2A5 tube. Pressed paper cone. Overall 6 1/2 x 4 1/2" deep.

**Shpg. wt. 5 lbs.**  
**W19148—**  
**Your Cost..... 98¢**

### New "Universal" Dynamic Speakers



Feature universal field coil and universal output transformer. Field coils have total resistance of 3000 ohms with taps at 2500, 1800 and 300 ohms. Output transformer matches all types of output tubes, single or push-pull. Plated metal frame, ridged pressed paper cone. Shpg. wt. 6 lbs.

**W19150—**  
**6" Cone..... \$1.95**  
**Your Cost.....**  
**W19151—**  
**8" Cone..... \$2.25**  
**Your Cost.....**

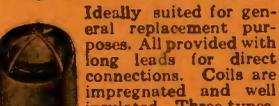
### BBL Magnetic Speaker



One of the finest magnetic speaker chassis obtainable. Will handle large power outputs without rattling or distorting. Reproduces the entire tone range with great fidelity. Has impedance of 7000 ohms at 1000 cycles. D.C. resistance is 1000 ohms. Cone diameter 9 1/4". Shpg. wt. 7 lbs.

**W19133—**  
**Your Cost..... \$1.95**

## Speaker Field Coils



Ideally suited for general replacement purposes. All provided with long leads for direct connections. Coils are impregnated and well insulated. Three types.

**W19610—**  
**Resistance 11,500 ohms. Size: 1 1/2" high, 2 1/4" diameter, 1 1/4" hole. Shpg. wt. 3 lbs. Your Cost..... 25¢**  
**W19469—**  
**5000 ohms resistance. Size: 2" high, 3 1/4" diameter, 1 1/4" hole. Shpg. wt. 5 lbs. Your Cost..... 35¢**  
**W19470—**  
**2000 ohms resistance. Size: 3" high, 2 1/2" diameter, 1 1/4" hole. Shpg. wt. 3 lbs. Your Cost..... 29¢**

## MARVEL 40-Watt Soldering Iron



A truly sensational value in an efficient electric soldering iron. Conservatively rated at 40-watts. Operates on 110 volts, a.c. or d.c. Nichrome wire element in a twin-sleeve porcelain tube—cannot short.

Has hardwood handle. Overall length 10 1/4". Copper heater tip is 2 3/4" long. Comes complete with 4-ft. cord and plug.

Shipping weight 3 lbs.  
**W14873—**  
**Per Dozen..... \$3.05**  
**Your Cost, Special..... 28¢**

### 6" Dynamic For Auto Sets



Designed for use in auto sets; has 6-volt field (3 ohms.) 6" cone diam. Solid spider, ridged cone. Plated metal frame. Shpg. wt. 4 lbs.

Loss transformer.  
**W19182—**  
**Your Cost..... 75¢**

### 8" Dynamic For Auto Sets



Unusually fine speaker constructed using finest materials. Heavy field pot, solid spider, plated metal frame. 8" cone. With transformer to match p.p. 45's 43's etc. Cord and plug. Shpg. wt. 10 lbs.

**W19178—**  
**Your Cost..... \$1.25**

## RCA P. M. Speakers



High grade permanent magnet type speakers that require no field excitation. Constructed using high grade materials. Give results comparable with electro-dynamics of equal size. Shpg. wt. 5, 8, 10 lbs. respectively.

Stock No.	Cone Diam.	V.C. Imp. Ohms	Your Cost
W19134	6"	3.5	\$3.27
W19135	8"	4.0	4.50
W19138	10"	3.5	5.88

## RADIOLA Speaker Filter



RCA Part No. 5853 designed to emphasize the high notes in Model 100B and 103 speakers.

**W19454—**  
**Your Cost..... 5¢**

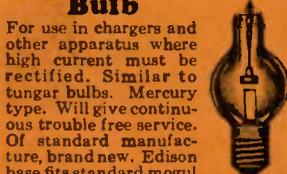
## 2 1/2 Foot 4-Wire Cable



Four conductors, two blue, one red and one black, with an overall tight cotton braid. Conductors are impregnated. One end of each lead has spade lug—other ends tinned.

**W16097—**  
**10 for 40¢**  
**Your Cost Each..... 5¢**

## Special Offer 6-Ampere Rectifier Bulb



For use in chargers and other apparatus where high current must be rectified. Similar to tungar bulbs. Mercury type. Will give continuous trouble free service. Of standard manufacture, brand new. Edison base fits standard mogul socket. Limited quantity.

**W12909—**  
**Your Cost, Special..... \$2.95**

## Bargain Closeout Voltage Dividers



Limited Quantity

Originally designed for use in standard receivers; can be used as general replacement resistors. All conservatively rated. Priced for immediate clearance—buy now.

Stock No.	Resls.	Total No. Watts	Resistor Tapped at
W20444	8195	75	1690-205-2140-3750-410
W20445	3940	75	1600-1900-440
W20446	1290	40	400-350-350-190
W20447	2250	50	None
W20513	465	50	375-90
W20562	6000	75	4200-380-1420
W20564	2580	75	500-0-1460-540-0-80
W20565	2080	85	1480-540-0-80
W20566	7780	75	1280-4000-300-2200
W20567	2940	75	1500-1000-130-80
W20705	4920	50	4920

**Your Cost Each..... 19¢**  
**Any Above Type.....**

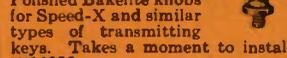
## Aero Aerial Wire



Many strands of very fine wire of high conductivity over which is laid a special covering of neutral buff color. An indoor aerial of unusual efficiency. 100 ft. spools. Shpg. wt. 8 oz.

**W16167—**  
**Your Cost Each..... 12¢**

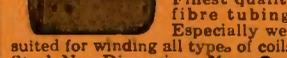
## Key Knobs



Polished Bakelite knobs for Speed-X and similar types of transmitting keys. Takes a moment to install.

**W14036—**  
**Your Cost Each..... 7¢**

## FIBRE TUBING FOR COILS

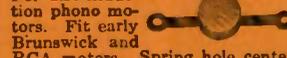


Finest quality fibre tubing. Especially well suited for winding all types of coils.

Stock No.	Dimensions	Your Cost
W10230	2 1/2 x 1 1/2"	1¢ Each
W10228	2 1/2 x 2 1/2"	
W10238	3 1/2 x 2 1/2"	
W10239	3 1/2 x 3 1/2"	

12 for 10¢

## GOVERNOR BALL AND SPRING ASSEMBLY



For disc induction phone motors. Fit early Brunswick and RCA motors. Spring hole centers 1 1/4"; ball diameter 1 1/4", 1/4" thick.

**W156—**  
**Your Cost..... 5¢**



# BARGAIN

**QUANTITY LIMITED**



## BRADLEY Controls

### 1-Meg. Tapped at 1/2-Meg.

Total resistance 1-megohm, with tap at 500,000 ohms (for tone compensation). Bakelite case with metal dust cover. Shaft extends 1/2", bushing 3/8". Potentiometer type. Quantity limited.  
**W8354—Your Cost..... 12¢**



### 1/2-Meg. Rheostat With Switch

Rheostat type, for tone control or audio shunt circuits. Built-in line switch. Bakelite case has metal dust cover. Shaft extends 1 1/2" and is milled at end. Bushing 3/8". Only a limited quantity.  
**W8339—Your Cost..... 19¢**



### 6000 Ohm Potentiometer

Potentiometer type, tapered for antenna shunt or "C" bias circuits. Total resistance 6000 ohms. Bakelite case, metal dust cover. Shaft extends 3/8" and is milled. Bushing 3/8". Suitable for general replacements or for the new set circuit. Limited quantity.  
**W8336—Your Cost..... 12¢**



### HIVAC Tubes

Measure only 2 1/4" high, 3/8" diameter. Ideal for portable receivers. All 2 volt filaments, drawing only .06 amp. (type XY draws .12 amp.). Written up in many recent radio publications. Full technical details sent on request.  
**Type XL—Triode Amplification factor 16. 4 prongs.**  
**Type XD—Triode. Amplification factor 16. 4 prongs.**  
**Type XP—Last stage power tube. (Not designed to drive a loud speaker.) 4 prongs.**  
**Your Cost \$3.15**  
**Any Above Type..... \$3.15**  
**Type XSG—Screen Grid tube. Amplification factor 360. 4 prongs.**  
**Type XY—Pentode output tube. Will drive loud speaker. 5 prongs.**  
**Your Cost \$4.20**  
**Either Above Types..... \$4.20**  
 Sockets for above.  
**W13004—4 Pr..... 24¢ Each**  
**W13005—5 Pr..... 24¢ Each**



## ★ Quantity Limited ★ Radio Tubes at New Low Prices—RCA Licensed

Never before at these prices, all brand new—first quality—RCA licensed. Packed in factory cartons. All fully guaranteed for 90 days (burn-outs and broken glass excepted). All popular types listed. Stock up now while the opportunity presents itself—you can't go wrong.



Type	Each	Type	Each	Type	Each	Type	Each
1A6	39c	12A5	49c	36	29c	58	32c
1B5	39c	12A7	49c	37	27c	59	39c
1C6	39c	12Z3	32c	38	29c	71A	25c
2A3	39c	25Z5	35c	39	29c	75	32c
2A5	32c	01A	17c	41	29c	76	27c
2A6	32c	12A	25c	42	32c	77	32c
2A7	39c	19	32c	43	35c	78	32c
2B7	39c	22	39c	45	22c	80	22c
5Z3	28c	24A	30c	46	32c	82	30c
6A4	39c	26	21c	47	32c	83	32c
6A6	39c	27	22c	48	49c	83V	49c
6A7	39c	30	26c	50	49c	84	39c
6B5	49c	31	29c	53	39c	85	32c
6B7	39c	32	39c	55	32c	89	32c
6C6	32c	33	32c	56	24c	183	39c
6D6	32c	34	39c	57	32c	485	39c
6F7	39c	35	30c				

Type 6E5 Cathode Eye Tube. **Your Cost..... 49¢**

### 300,000 Ohm Tapped Volume Control

Can be used in many different circuits. Has total resistance of 300,000 ohms, with tap at 150,000 ohms. Shaft extends 2 1/2" and is milled. 3/8" bushing.  
**W8357—Your Cost..... 12¢**



### 300,000 Ohm Tapped Control With Switch

An unusual bargain. Control has total resistance of 300,000 ohms, with tap at 150,000 ohms. Built-in line switch. 3/8" shaft, milled. 3/8" bushing. Excellent for general replacements or for the new set circuit. At a special low price.  
**W8338—Your Cost..... 19¢**



### 100,000 Ohm G.E. Control With Switch

Manufactured for use in G.E. sets. Has total resistance of 100,000 ohms, reverse taper. Built-in line switch. Rheostat type—can be used as tone control. Shaft 2 1/2" long; bushing 3/8". At closeout price.  
**W8349—Your Cost..... 19¢**



### Volume Control with Switch For Auto Sets

Has a slotted shaft to take auto remote cable having a flat tongue. Potentiometer type; total resistance 200,000 ohms. Tapered for audio grid circuits. Has a built-in line switch. 3/8" bushing.  
**W6355—Your Cost..... 9¢**



### 1-Megohm CRL Control

A special bargain offer of these standard CRL volume controls. Have a total resistance of 1-megohm. Potentiometer type, but have one outside terminal lug cut short (connection can be made without difficulty). Tapered for audio grid or tone control circuits. Shaft extends 3/4" and is milled. 3/8" bushing.  
**W8337—Your Cost..... 9¢**



### Thutest Carbon Mike

An outstanding value in a large two-button carbon microphone. Frequency response exceptionally good: from 60 to over 4000 c.p.s. Uses standard 200 ohm buttons. Duraluminum diaphragm, pure gold (24 K.) contacts. Bridge is one casting. 3 1/4" in diameter, 2 1/4" thick. Shipping weight 4 lbs.  
**W13384—Your Cost Special..... \$3.45**

### BMS MIKES

#### Studio Model



A real mike for home broadcasting. Easily attached to any radio. Has sliding switch. Shpg. wt. 2 lbs.  
**W13380—Your Cost..... 78¢**

#### Junior Model



Similar to the studio model, but in a differently designed case and with a push-button instead of a sliding switch. Lowest priced home broadcaster available.  
**W13379—Your Cost..... 54¢**

### CARTER Phone Jack

One open circuit is closed when plug is inserted. 3/8" panel hole.  
**W6282—Your Cost..... 9¢**



### Carbon Granules

Extra fine quality—not adulterated. Contains sufficient granules to refill one two-button mike. Will not deteriorate.  
**W13481—Each..... 39¢**



## JONES Jacks and Switches

### Single Filament Panel Control Jack



Well insulated. 3/8" hole mounting. Binding post terminals. Nickel plated brass hardware.  
**W12857—List \$1.00**

### "A" Battery Panel Switch



Push button type. Single 3/8" hole mounting. Bakelite insulation with binding post terminals.  
**W12859—List \$1.00**

**9¢ ea. 95c doz.**

### Double Circuit Panel Mount Jack



Closed circuit type. Nickel plated brass hardware. Single 3/8" hole mounting. With binding post terminals. Moulded Bakelite insulation.  
**W12858—List \$1.00**

### Eight Contact Inductance Switch



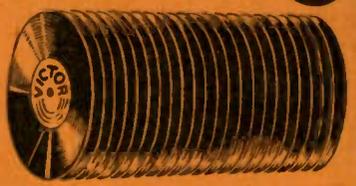
Low loss switch—Bakelite insulation. Nickel plated brass hardware. Mounts in single 3/8" panel hole. Has a number of uses in short-wave field.  
**W12860—List \$1.00**



## Genuine RCA-VICTOR Double-Faced Records



An excellent opportunity to stock on these genuine RCA-Victor double faced records at special bargain prices. Ideal for P.A. amplifier demonstrations or the demonstration of phonograph combinations. No two records alike. Shpg. wt. 13 1/2 lbs. per carton.



### AMERICAN Records

Includes waltzes, fox trots, martial, tangos, etc.  
**W346—Carton of 25..... \$2.25**  
**Your Cost.....**

### SPANISH Records

Includes bolero, tangos, cancons, paso doble, etc.  
**W347—Carton of 25..... \$3.50**  
**Your Cost.....**

### OTHER FOREIGN RECORD ASSORTMENTS

**W107—French W108—German W109—Polish W110—Russian 25 for..... \$3.50**

**Every Day is BARGAIN DAY at Wholesale Radio Service Co. Inc.**

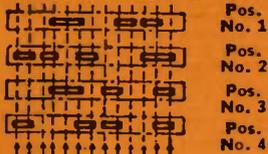


# BARGAINS!

QUANTITY LIMITED



## 13 Contact Switch 4-Position Rotary



Pos. No. 1  
Pos. No. 2  
Pos. No. 3  
Pos. No. 4

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.

Shpg. wt. 2 lbs.  
W12856—  
Your Cost..... **10¢**

## 5-Tube Transformer For 6.3 Volt Tubes



Fully shielded in metal case with crimp lugs for mounting. Primary for 110 volts, 50-60 cycles a.c. Secondaries: high voltage delivers 250/250 volts at 65 ma.; 6.3 volts at 1.5 amps. (for 3 heaters and 1 power tube); 5 volts at 2 amps.

(for 80 rectifier). Wiring diagram furnished. Size: 3x3½x3½". Color coded leads. Shpg. wt. 5 lbs.

W1353  
Your Cost..... **79¢**

## 8 Tube Transformer For 2.5 Volt Tubes

Fully shielded, upright mounting. Primary for 110 volts, 50-60 cycles. Secondaries: 700 volts c.t. at 85 ma.; 2.5 volts c.t. at 8.75 amps.; 2.5 volts c.t. at 3 amps.; 5 volts at 2 amps. Lug terminals on fibre strip. Overall size: 6½x5x3¾"; mtg. centers 4x2¾".



Shpg. wt. 12 lbs.  
CL103—  
Your Cost..... **\$2.75**

## ERLA 4" Dial

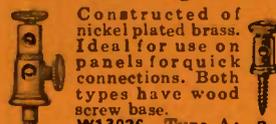
Dial and knob assembly ideally suited for use with ham equipment, on home made sets, etc. Gold finished dial calibrated 0-100 counter-clockwise.



Bushing for ¼" shafts. Knob 2" diam., of Bakelite. Shpg. wt. 1 lb.

W5893—  
Your Cost Each..... **9¢**

## Metal Binding Posts



Constructed of nickel plated brass. Ideal for use on panels for quick connections. Both types have wood screw base.

W13026—Type A: B Heavy duty dual connection post. Overall length 2".

10 for 25¢  
Your Cost..... **3¢**

W13021—Type B: Wood screw removable; can be mounted with a 10-32 bolt. 10 for 25¢.

Your Cost Each..... **3¢**

## ★ Audio Transformer Selection ★ Inputs, Outputs, Straight Audios



Every dealer and serviceman should take advantage of this unparalleled bargain offer. These audio transformers are brand new, high quality units

type and measure approximately 3x2½x2½". Shpg. wt. 2 lbs. each.

W1843—Push-Pull Input Transformer. Ratio 3:1.  
Your Cost..... **44¢**

W5500—Straight Audio. Ratio 3:1.  
W5502—Output Transformer. To match single 45 or 71A to a 5-15 ohm dynamic speaker voice coil.

Your Cost..... **39¢**

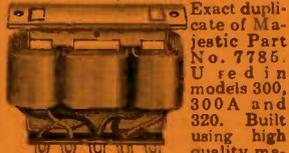
W5503—Output Transformer. To match P.P. 45's or 71A's to a 5-15 ohm dynamic speaker voice coil.

W5504—Output Transformer. To match single 47 or 2A5 to a 5-15 ohm dynamic speaker voice coil.

W5505—Output Transformer. To match P.P. 47's or 2A5's to a 5-15 ohm dynamic speaker voice coil.

Your Cost Each, Any Type..... **39¢**

## MAJESTIC Pilot Light Dimmer



Exact duplicate of Magestic Part No. 7785. Used in models 300, 300A and 320. Built using high quality material—will stand up. Heavy-duty primary coil. Shpg. wt. 2 lbs.

W2514—  
Your Cost..... **85¢**

## Special 2.5 Volt Filament Transformer



Semi-open, strap mounting type with leads. Delivers 2.5 volts at 3.5 amps. (for 2 type 2A4, 35, 27, etc. or 3 type 56, 57, 58, etc.). Primary for 110 volts, 50-60 cycles a.c. Shpg. wt. 2 lbs.

W1636—  
Your Cost..... **39¢**

## Shielded Audios



Straight Audio. Ratio 3:1:1-plate to 1-grid. Size: 4½x3x2½". A mtg. Shpg. wt. 3 lbs.

W5642—Your Cost..... **29¢**

P.P. Output. Matches p.p. triodes (45, 50, etc.) to 5-15 ohm voice coil. Size: 3½x2½x2½". Type A mtg. Shpg. wt. 3 lbs.

W5644—  
Your Cost..... **24¢**

Single Output. Matches 2A3 or parallel 45's (2300 ohms) to 5-15 ohm voice coil. Type B mtg. 3½x2½". Shpg. wt. 2 lbs.

W5645—Your Cost..... **24¢**

Phono Input. 200 ohms to grid. Type A mtg. 4½x3½x2½". Shpg. wt. 4 lbs.

W5643—Your Cost..... **39¢**

## Genuine Majestic Transformers



A special offer of these genuine Majestic replacement parts. All brand new and in perfect condition.

Only a limited quantity available at the low prices quoted—stock up now while you have the chance.

Phono Matching Transformer. 200 ohms to grid. Can be used as single button mike trans. 3½x2½x2½". Shpg. wt. 4 lbs.

W1638—Your Cost..... **29¢**

Filament Transformer. Model 70 (7BP6). Part No. 61. Shpg. wt. 6 lbs.

W2105—Your Cost..... **19¢**

P.P. Input. Model 130A. Part No. 1883. Shpg. wt. 6 lbs.

W2093—Your Cost..... **75¢**

## A. K. Audio Transformer

The genuine A.K. Part No. 13276-14016. Used in models 41, 43, 44, 45, 46, 47, 52, 53, 56 and 57. First audio stage; sealed in metal container with color coded leads. Shpg. wt. 3 lbs.

W2326—  
Your Cost..... **17¢**

## Midget Pentode Output

Single pentode output transformer (for 47, 2A5, 42, etc.) designed to mount directly on the dynamic speaker.

frame. Only 1½x1½x1½" overall. Primary matches a 5-15 ohm voice coil. Shpg. wt. 1 lb.

W1549—Your Cost..... **19¢**

## Special Auto Radio Filter Pack

Built of finest quality materials. Can be used in many auto radio sets. Contains the following parts: 1-375 mfd. capacitor; 1-.5 mfd. capacitor (400 volts working); 2-4 mfd. 200 volt dry electrolytics; 1-300 ohm "B" choke; 1-"A" choke. Housed in a metal container with crimp lugs. 3½x2½x2½". Shpg. wt. 3 lbs.

W14183—Your Cost..... **29¢**

## Midget Universal Output

Extremely compact, sturdy transformer for matching the output of any existing types of output tubes, single or push-pull, to any voice coil of from 2 to 30 ohms impedance. Open type strap mounting. 2x1½x1½"; centers 2½". Shpg. wt. 2 lbs.

W5667—Your Cost..... **49¢**

## Preselector Coil

Three windings on a Bakelite form. Has antenna primary and two loosely coupled secondaries. Use with .000365 mfd. condenser.

W10130—  
Your Cost Each..... **7¢**

## Detector and Oscillator Coil

Wound on Bakelite form. Inductively coupled. Tracks with a 15-70 mmfd. padding condenser.

W10131—  
Your Cost Each..... **7¢**

## R. F. Coil

Wound on fibre form. Has solder lug terminals. Designed to work with a .000365 mfd. variable condenser. Has metal mounting support. Only a limited quantity available.

W10109—Your Cost..... **9¢**

## Shielded I. F. Coil 175 Kc.

For use in 175 kc. superhets using a .000365 mfd. condenser. Single tuned from bottom of circular metal can. Has leads for connections. Shipping weight 1 lb.

W10063—  
Your Cost..... **19¢**

## Shielded Antenna Coil

Fully shielded antenna coil for use with high gain tubes such as the 6C6, 6D6 etc. Includes a 60, 000 ohm carbon resistor. Coil is housed in an aluminum can 1½" high by 1½" diameter. Solder lug terminals on a fibre strip.

W10036—Your Cost..... **19¢**

## Oscillator Coil Assembly 175 Kc.

For 175 kc. superhets. Completely shielded. Contains grid (external) and plate by-pass condensers and fixed 910 mfd. padding condenser. Includes screen grid lead and cap. Can measures 3½x2½"; mounting centers 2½".

W10244—Your Cost..... **15¢**

## 175 Kc. I. F. Transformer

Fully shielded double tuned 175 kc. i.f. coil with trimmers mounted on a fibre strip. Trimmers adjusted from side of can. Complete with mounting bracket. An ideal general replacement part, or for the new set builder. Size: 3" high, 1½" diam. Shpg. wt. 1 lb.

W10288—Your Cost..... **29¢**

## Shielded R. F. and Antenna Coils

R.F. coil, illustrated at left, for use n.t.r.f. sets using a .000365 mfd. condenser. Secondary winding only. Use external primary choke (approx. 16 millihen.). In metal can 4x2½" diam.

W10285—Your Cost..... **9¢**

Antenna coil fully shielded in can 3½x2½" diam. Includes grid resistor and plate by-pass condenser. High impedance.

W10285—Your Cost..... **9¢**

# Last Minute SPECIALS

## NEW! WESTON 772 "All-Purpose" Analyzer



Most sensitive meter ever used in a radio tester. Meter sensitivity 20,000 ohms per volt. Draws so little current that accurate measurements can be taken in circuits where current is limited to microamperes. Following meter ranges are available: d.c. volts, at 20,000 ohms per volt, 0/2.5/10/50/250/1000; a.c. volts, at 1000 ohms per volt, 0/2.5/10/50/250/1000; d.c. milliamperes 0/10/50/250 and three low ranges available at pin-jacks 0/50/100/1000 microamperes; resistance (ohms) 0/3000/30,000/3,000,000/30,000,000; output meter ranges at pin jacks, 0/2.5/10/50/250/1000. Etched black panel with red and chrometrimmings. In sturdy tan fabric case carrying case 15 1/4 x 5 1/4 x 8 3/4". Shpg. wt. 11 lbs. W1521

Your Cost... **\$46.50**

## Varnished Insulating Paper



For insulating transformer windings, coils, etc. 100 feet to a roll. 2 1/4" wide. W15314—**18c** Each  
10 Rolls for... **\$1.39**

## SPECIAL CUSTOM-BUILT ARVIN 6-TUBE SUPERHET AUTO RADIO



For 1935  
**CHEVROLET  
DeLuxe  
PONTIAC  
OLDSMOBILE  
and  
LASALLE**

Model 17-B

The best auto radio buy of the season—but you'll have to hurry. Our supply is extremely limited. This custom built 6-tube superhet fits the above listed General Motors cars "like a glove." Illustration at the right shows the header speaker and the matched instrument panel control assembly.

The chassis, shown at the left, makes use of six modern type tubes in a superheterodyne circuit. These are: 2-78's, 1-6A7, 1-75, 1-41 and 1-84. Power is more than ample for reception. Features include: universal mounting holes (on two sides and rear), rubber inner case lining, built-in noise suppression circuit (spark-plug suppressors rarely necessary), excellent tone quality, hair-line tuning, matched dynamic header speaker, tone control operated from dual knob on remote control, etc. The remote control, with matched plates for all cars listed (use only one), fits the instrument panel perfectly.

Arvin Model 17-B complete with tubes, header speaker, remote control, set of suppressors, generator silencer and complete instructions and drilling templates. Shpg. wt. 30 lbs.

List Price \$44.95.

Your Cost Each, Special...

**\$19.95**

## Model 17-A For 1935 Ford V-8

Identical with the above, but for 1935 Ford V-8. Complete with tubes and all accessories. Shpg. wt. 30 lbs.

ARVIN Model 17-A. Your Cost...

**\$19.95**

## HULL AUTOMOBILE COMPASS



An ingenious device that enables the automobile driver to tell the direction in which he is travelling. Easy to install, accurate and fool-proof. Letters are in white and are large—helpful in night driving. Outfit consists of the compass and a compensator that maintains accuracy regardless of the amount of metal in your car. Suction cups fasten to windshield. Full instructions furnished. Shpg. wt. 2 lbs.

W8465—List Price \$3.00.

Your Cost...

**\$1.45**

## Rider's No. VII Manual



The latest issue in the perpetual Trouble Shooter series. Contains 1600 pages—all crammed full of helpful service diagrams, notes, etc. All the latest sets—all standard manufacturers. Available for delivery

in late fall—about November. Shipped Postpaid. Shpg. wt. 11 lbs. W19951—Your Cost **\$9.80**

## Official Radio Service

### Handbook

By J. T. Bernsley. Over 1000 pages of information on important radio subjects. Over 750 illustrations. Covers servicing, conversions, test equipment, short cuts, etc.



Size 6x9", with leatheroid cover. Shpg. wt. 4 lbs.

W19977—Your Cost **\$3.95**

## "Postal Telegraph" Two-Way Code Signal Set

Incorporates wireless and blinker signals. Powered by two No. 2 cells in each unit. Code marked on each sender. With miniature telegram blanks and full instructions. For distances up to 50 ft. Shpg. wt. 4 lbs.

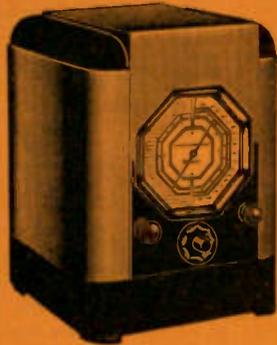
W14007—Complete with bulbs, but less batteries.

Your Cost... **95c**

W20124—No. 2 Cells. (Eveready). Your Cost Each... **6 1/2c**



## ★ SPECIAL LOW PRICE ★ STROMBERG-CARLSON Model 69



### S. W. Converter

- 12 to 200 Meters
- Built-in Power Supply
- R. F. On All Bands
- Ideal for Hams

This short wave converter contains the circuits necessary to convert any good standard broadcast receiver to a modern all-wave set that will offer continuous coverage (including 200 to 550 meter broadcast band of the receiver) from 12 to 550 meters (550 to 25,000 kc.). Merely attach the shielded cable (already connected to the converter) to the antenna and ground posts of the broadcast receiver, attach aerial and ground to the converter posts,

and plug-in. Foreign reception from all over the world—Rome, Paris, London, Moscow, etc., etc., will come in with good volume. The converter contains the frequency changer circuits of a superb set system. It uses four tubes as follows: 1-6D6 r.f. amplifier on all bands, 1-6A7 modulator, 1-76 oscillator and 1-84 rectifier. Power supply is self-contained. Individual coils used on each band; three bands are: 1430 to 4200 kc. (71.6-200 meters); 3700 to 10,500 kc. (28.5 to 81 meters); 9000 to 25000 kc. (12-33.3 meters). Features include "touch tuning" afforded by the exceptionally large dial, individually calibrated bands, light system whereby only the band in use is illuminated. Converter is housed in a beautiful two-toned hardwood cabinet. High polished finish, matched modernistic knobs. Size: 14 1/4" high, 11" wide, 9 1/4" deep.

W21961—Model 69 S.W. Converter complete with RCA tubes. For 105-125 volts, 50-60 cycles a.c. Shpg. wt. 28 lbs. Your Cost, Special...

**\$22.50**

## RCA-Victor Model PG-98 12-Watt Portable System



This new portable p.a. system incorporates new and exclusive improvements that set a new high standard for performance and dependability. It is ideally suited for use in dance halls, amusement parks, gyms, road houses, swimming pools, and many others that will suggest themselves.

The system is complete in itself—no accessory equipment is required. Assembly

is made up of the amplifier, mike, mike stand, two dynamic speakers, and all necessary cables. The amplifier uses 3-42's, 1-75, 1-6E6, and a 5Z3 in a Class A circuit delivering 12-watts of undistorted power output (25-watts peak). Overall gain 110 db. Low hum level. Controls on front panel (tone, gain and music-speech). Radio and phono inputs included. The mike is a genuine RCA velocity, flat from 50 to 10,000 c.p.s. A table stand is included. Two special dynamic speakers are housed in individual compartments and provided with hand-rubbed walnut speaker plaques. Durable leatherette covered portable case measures: 21 1/4" high, 21 1/4" long, 10" deep. For 110 volts, 50-60 cycles a.c. Shpg. wt. 65 lbs.

W21247—PG-98 System complete with amplifier, tubes, mike, two speakers, cables and housed in portable case.

List Price... **\$179.50**

Dealers and Servicemen deduct 40% from the above list price.



# We challenge you to EQUAL these prices!

## Special Bargain 2-Watt Carbon Resistors



All RMA color coded. Offered at a price far below the present market. Every serviceman should avail himself of this opportunity by purchasing a complete stock now. Only sizes shown in listing are available. Quantities limited. Specify type.

Res.	Res.	Res.	Res.	Res.
Ohms	Ohms	Ohms	Ohms	Ohms
500	3000	20000	50000	
750	4500	25000	60000	
1000	10000	30000	75000	
2000	15000	40000	80000	
2500				

W5245—Per 100... \$4.50.  
Your Cost Each... **5¢**

## 5-Meter Interruptor Coil



Especially well suited for use as low frequency oscillator in 5-meter super-regenerative sets. Wound on a wood dowel, and wax impregnated and covered. Has

solder lug terminals. 1 1/2" diameter.  
W10282—  
Your Cost Each... **9¢**

## Special 10" Dynamic



A high quality dynamic at an unusually low price. 10" cone diameter. Has 1400 ohm field coil and is complete with transformer to match p.p. triodes (45's, 50's, etc.). Excellent response. With cable. Shpg. wt. 4 lbs.

W19167—  
Your Cost... **\$2.95**

Same as above, with 1000 ohm field and single pentode output transformer (47, 2A5).  
W19168—Your Cost... **\$2.95**

## Full-Wave Vibrator Transformer

Open frame type with long leads. 6-volt primary; secondary delivers 225 volts c.t. at 40 milliamperes. Ideal for general replacement purposes. Heavy duty core, high voltage insulation. Overall size: 2 3/4" high, 1 3/8" deep, 3 1/4" wide; centers 2 3/4" x 1 1/2". Shpg. wt. 4 lbs.

W1547—Your Cost... **94¢**

## Magnavox 8" Dynamic

A well made dynamic speaker, 8" diameter, ideal for use as a replacement speaker or for the new set. Has 1250 ohm field coil, and is furnished with an output transformer to match a single pentode (47, 2A5, etc.). Excellent frequency response. Has hum bucking coil. Pressed paper cone, heavy field coil. Entire metal chassis is plated to be rust proof. Has plug connector. Quantity limited. Shpg. wt. 5 lbs.



W19127—  
Your Cost... **\$2.25**

## Midget I. F.

Transformers Midget, double tuned i.f. transformers ideal for use by set builders or for replacement purposes. Trimmers have genuine isolantite bases, and are top tuned. Precision winding insures exceptionally high gain. In round containers 1 1/8" in diameter. Color coded leads. W10036—175 Kc. W10035—456 Kc. Your Cost Each **35¢** Either Type



## RCA Remote Control Box and Cable



The genuine RCA-Victor part used with the expensive combination models. Unit consists of the remote control box with 26-ft. of special 12-wire cable attached. Button box has six station selectors, two "on-off" buttons and four volume control buttons (2-increase and 2-decrease). Can be used as an additional remote control. Only a limited quantity. Shpg. wt. 4 lbs.  
W19744—  
Your Cost... **\$1.95**

## Push-Pull 6L6 Output Transformer



A high quality, fully shielded transformer made by Thordarson. Primary impedance 6000 ohms plate to plate, matches p.p. 6L6's (400 volts on plate). Secondary for 2 ohm voice coil. Binding posts on sides. 3 1/2 x 2 1/2 x 3". Shpg. wt. 4 lbs.

W1546—Your Cost **\$1.10**

## Oversize P. P. Input



Constructed using extra heavy core of high permeability metal. Overall ratio 2.5 to 1. Fully shielded in black lacquered metal case and provided with insulated leads. Will improve tone quality. 3 1/2 x 2 1/2 x 2 1/2"; centers 3". Shpg. wt. 4 lbs.

W1807—Each... **69¢**  
Same as above, but uncased. Strap mtg. Shpg. wt. 3 lbs.  
W1808—Each... **59¢**

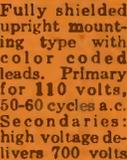
## THORDARSON Type Z Screen Grid Coupler



Used to couple a screen grid detector to a stage of audio or a power output tube. Consists of two individual iron core coils in a shielded case. Primary inductance 200 henrys at 5 ma. d.c. Binding posts on side. 3 1/2 x 3 1/2 x 4 1/2". Shpg. wt. 4 lbs.

W578—Your Cost... **59¢**

## 9-Tube Power Transformer



Fully shielded upright mounting type with color coded leads. Primary for 110 volts, 50-60 cycles a.c. Secondaries: high voltage delivers 700 volts c.t. at 100 ma.; 2.5 volts c.t. at 2 amps. (82 rectifier); 2.5 volts c.t. at 5 amps. (5-56's, 57's, etc.); 2.5 volts at 4 amps. (p.p. 46's, etc.); 6.3 volts at .5 amp. (1-89, etc.). Size: 4 1/2 x 4-3 1/2". Shpg. wt. 9 lbs.

W1545—Your Cost... **\$1.69**

## 6-Tube Power Transformer



Fully shielded upright mounting transformer with color coded leads. Primary for 110 volts, 50-60 cycles a.c. Secondaries: high voltage delivers 600 volts c.t. at 70 ma.; 5 volts at 2 amps. (80 rect.); 2.5 volts c.t. at 3.75 amps.; 6.3 volts at 1.4 amps. (2-42's). Size: 3 1/2 x 3 1/2 x 3 1/2". Shpg. wt. 5 lbs.

W1544—Your Cost... **\$1.29**

## 15 Henry Filter Choke 75 Ma.



A fully shielded filter choke for use in power amplifiers, etc. Rated inductance 15 henrys maximum d.c. Resistance (d.c.) 800 ohms. Lug terminals. 2 1/2 x 3 1/2 x 2". Shpg. wt. 3 lbs.

W1542—  
Your Cost... **49¢**  
Same as above, but unshielded. Shpg. wt. 3 lbs.  
W1543—Your Cost... **39¢**

## 25000 Ohm Control



Manufactured by Centralab. Potentiometer type, 25000 ohms. Tapered for an antenna or bias. Milled shaft 1 1/2" long. Bakelite case.  
W8335—  
Your Cost... **12¢**

## R. F. Coil



Originally used in Radiola models 44, 46 a.c. and 47, as second or third r.f. Comes complete with low frequency primary coil and mounting bracket.  
W10127—Each... **10¢**

## POLYMET By-Pass Condensers



.25 Mfd. 300 Volts  
In metal case with solder lug terminals. Mounting feet at top and bottom. For general use in all types of receivers.  
W740—  
Your Cost Each... **10¢**

2 Mfd. 200 Volts  
Similar in appearance to the above, but 2 mfd., 200 volts working voltage. Quantity limited.  
W743—  
Your Cost Each... **22¢**

2. Mfd. 600 Volt  
Uncased Section  
A high voltage filter section of the hang-up type. Rated 2 mfd., 600 volts working voltage. Long insulated leads. Fully impregnated and covered with pitch. Ideal for replacing defective condenser block sections. Shpg. wt. 1 lb.  
W747—  
Your Cost Each... **13¢**

7-Section By-Pass  
Block 6-.25, 1-1 Mfd.  
A complete by-pass condenser block for radio receivers and amplifiers. Contains six .25 mfd. and one 1 mfd. sections, all 400 volts d.c. working voltage. Common negative. 4 x 2 1/2 x 1 1/2"; centers 3 1/4". Shpg. wt. 1 lb.  
W745—Your Cost Each... **23¢**  
Similar to above, but with nine 1 mfd. sections. Three common leads. 6 1/2 x 1 1/2 x 3/4".  
W746—Your Cost... **18¢**

## Round Metal Can Dry Electrolytics

Standard type round metal can electrolytics at prices far below the present market value. All brand new, of standard manufacture, and conservatively rated. Ideal for all replacement work, and for the new set builder. Units marked with asterisk (\*) are inverted types; others upright.

Stock No.	Cap. Mfd.	Volts	Wgt.	Dim. In.
W680	2-4*	250-300	3 1/2 x 1 1/2	
W681	8-8	250-20	3 1/2 x 1 1/2	
W682	8-12*	35-250	4 1/2 x 1 1/2	
W683	6-7-8*	400-450-25	4 1/2 x 1 1/2	
W684	8-8-8	25-250-250	4 1/2 x 1 1/2	
W685	8-8-8*	450-450-250	4 1/2 x 1 1/2	
W686	8-8-10	475-475-50	5 1/2 x 1 1/2	
W687	8-16-16	125-125-125	3 1/2 x 1 1/2	

Your Cost Each **29¢** Any Above Type

## 4-Section Electrolytic 8-8-4-4 Mfd., 300-25 V.

Filter and by-pass unit in cardboard container with flanges. 8-8 mfd., 300 volts, and 4-4 mfd., 25 volts (d.c. working voltage). 2 1/2 x 1 1/2 x 1 1/2"; centers 3 1/4".  
W679—  
Your Cost Each... **29¢**

## Polymet .25 Mfd. 200 V. By-Pass

In metal can with insulated leads at top. Mounting feet top and bottom. .25 mfd. 200 volts working Voltage.  
W744—10 for 80c  
Your Cost Each... **6¢**

# Lafayette PUBLIC ADDRESS Equipment

**THE** public address amplifiers, systems and accessories pictured on pages 41 to 56, following, represent only a portion of the complete line of Lafayette public address products, which are world-famous for their advanced engineering, rugged construction and low prices. The entire line is described in greater detail, with more illustrations, in a special 48-page LIST PRICE

catalog, which is devoted exclusively to amplifiers and related apparatus. Every dealer, service man and P. A. specialist should have a copy of this catalog, which is by far the largest and best book of its kind ever published. Simply address a card or letter to any Wholesale Radio Service Co., Inc. office and ask for catalog No. 64 W. It will be mailed to you immediately, without cost.

## 5 WATT HIGH-GAIN Amplifier



**THIS** new Lafayette amplifier is the highest gain, low powered unit ever developed. It makes possible for the first time direct connection to a low-powered amplifier of a crystal, velocity or sound-cell mike without the need for additional pre-amplifiers. Three input channels are provided: one high-gain, with separate volume control, and two low-gain, with dual-input fading control which permits simultaneous control. The amplifier furnishes 6 watts of power to a 1000-ohm speaker field. The audio output is full 5 watts into a 7000 ohm load.

Output impedance is 7000 ohms; input impedance is 5 megohms for the high-gain channel and 500,000 ohms for the low gain channels. You don't have to be an engineer to operate this amplifier. Connections are easy and simple to make, and the power line is fused for positive protection. The chassis has room for a speaker, permitting the construction of a compact single-unit system. Power consumption from a.c. line is 60 watts.

This amplifier is recommended for all low-power public address requirements, such as call systems, hearing aids, phonograph modernization, small halls, "barkers," etc.

**Model 244-A**—Lafayette 5-Watt High Gain Amplifier, less tubes and screen. For 110 volts, 50-60 cycles a.c. Dimensions: 12"x6 3/4"x7 1/4". Code ALBAS. Shpg. wt. 14 lbs. List Price \$26.70

**YOUR COST \$13.35**

Kit of tubes: 2-6C6, 1-6B5, 1-83. YOUR COST \$2.73

**Model 244-DF**—Protective steel screen cover for above amplifier. Sturdy, spot welded, black finish. Illustrated by small photo at left. Shpg. wt. 5 lbs. YOUR COST \$5c

Amplifiers for 220, 240 or 250 volts, a.c., on order only. Write for details and prices.

- SIMPLE
  - COMPACT
  - RUGGED
  - RELIABLE
- ### SINGLE UNIT PORTABLE SYSTEM
- WITH FULL 10" SPEAKER**

**EMPLOYING** the amplifier described above, Lafayette engineers have assembled a portable system that is ideal for lecturers, demonstrators, small orchestras, and other users of low-powered systems of convenient portability. Fitted with a full 10-inch dynamic speaker, it provides volume and quality of reproduction that amazes listeners. The speaker is built into the cover, which provides an unusually large baffle area. It can be placed on the floor or hung by the handle; 25 feet of rubber covered cable is included. Setting up and taking down the system is a matter of minutes, and can be done by any non-technical person.

#### ATTRACTIVE CARRYING CASE

Both speaker and amplifier are housed in a single carrying case measuring only 13" by 9" by 14 3/4" high. The case is finished in the new "airplane" cloth in light tan with dark striping. Four heavy snap locks hold the sections securely together. The overall construction is very rugged, and this amplifier will readily withstand the hard knocks of portable service. The small illustration below shows how the two sections of the case separate.

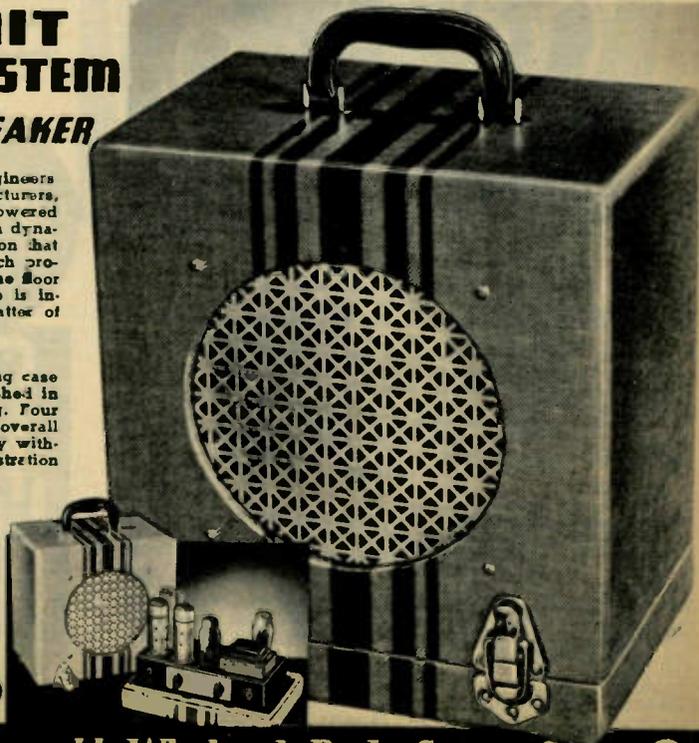
**Model 548-P**—Lafayette 5-Watt Portable System, complete with 10" speaker and cable, but less tubes and microphone. For 110 volts, 50-60 cycle operation. Code SERBA. Shpg. wt. 40 lbs. List Price \$55.00 **YOUR COST \$27.50**

Kit of tubes: 2-6C6, 1-6B5, 1-83. YOUR COST \$2.73

Available for 220, 240, 250 volts at extra cost.

**Microphone Combination 604-P** to match above portable: 0-104 Astatic crystal mike, W13528 floor stand, 25 ft. cable. Code SWIKA. Shpg. wt. 14 lbs. List Price \$38.20 **YOUR COST \$21.02**

**\$27.50**



"Blue Ribbon" Products approved by Wholesale Radio Service Co., Inc. 41

# 15 WATT Standard AMPLIFIER AND DUAL-SPEAKER Portable SYSTEM

- WIDE RANGE CHARACTERISTICS
- MIXER-FADER CONTROL CIRCUIT

IN dollar for dollar value the Lafayette Model 129A amplifier stands unrivalled. True wide range sound, as shown by the accurate technical characteristics printed at the right below, is combined with low cost and ultra-light weight.

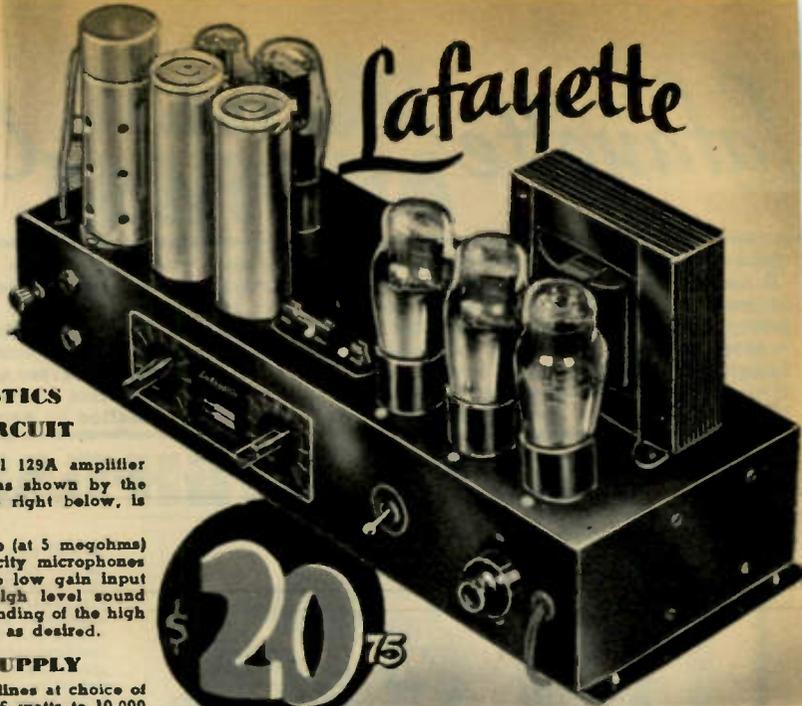
The exceptional gain or amplification of 140.2 db (at 5 megohms) permits direct use of crystal sound cell or velocity microphones of the highest modern quality. In addition, two low gain input channels are provided for phono and other high level sound sources, with mixer-fader circuit that permits blending of the high gain sound with either of the low gain channels as desired.

## 16 WATTS SPEAKER FIELD SUPPLY

Plug-in receptacle on chassis front carries voice lines at choice of a wide range of impedances and field lines at 16 watts to 10,000 ohms. Two 5,000 ohm speakers at 8 watts excitation can be used. Two-position fuse on chassis top provides protection against variation in line voltage.

**Model 129A**—Lafayette 15 Watt Amplifier, for 110 volts, 50-60 cycles a.c.; 6½" x 17½" x 8" high; less tubes; shpg. wt. 26 lbs. Code ALBAN. List Price..... **\$39.90**  
**YOUR COST**..... **\$20.75**  
 Kit of tubes: 1-6C6, 1-6A6, 1-76, 2-6B5's, 1-83V..... **\$4.00**

Lafayette Model 129A Amplifier is available on special order for 220, 240 or 250 volts, 50-60 cycles, a.c. operation. Write for prices and details.



Lafayette

**\$20<sup>75</sup>**

## DELUXE QUALITY IN LOW COST AMPLIFIER

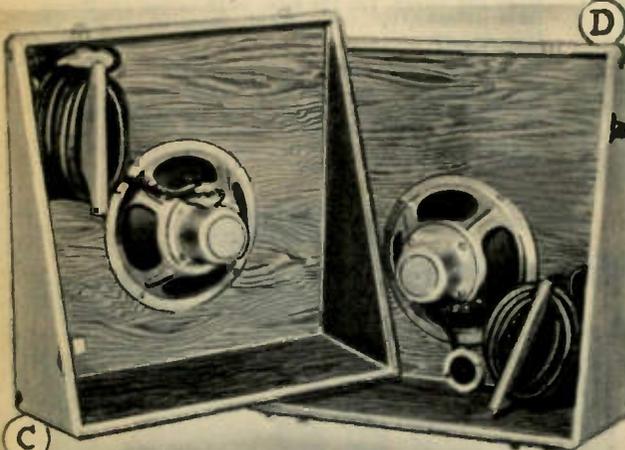
Oversize, conservatively rated parts are used exclusively in the Lafayette 129A amplifier for safe, continuous operation. Heavy-gauge steel chassis with bottom plate provides complete mechanical protection and electrical shielding. Power line fuse is provided with double-position clips wired to taps on the power transformer primary, and is positioned to compensate for conditions of line voltage encountered. All connections and controls are at front of chassis. Plug-in connections with polarized speaker plug provide sure, trouble-free installation.

Rugged, permanent construction, so necessary for trouble-free service, makes this amplifier, like all Lafayette products, an economical investment. An occasional tube replacement is about the only maintenance expense.

## TECHNICAL CHARACTERISTICS

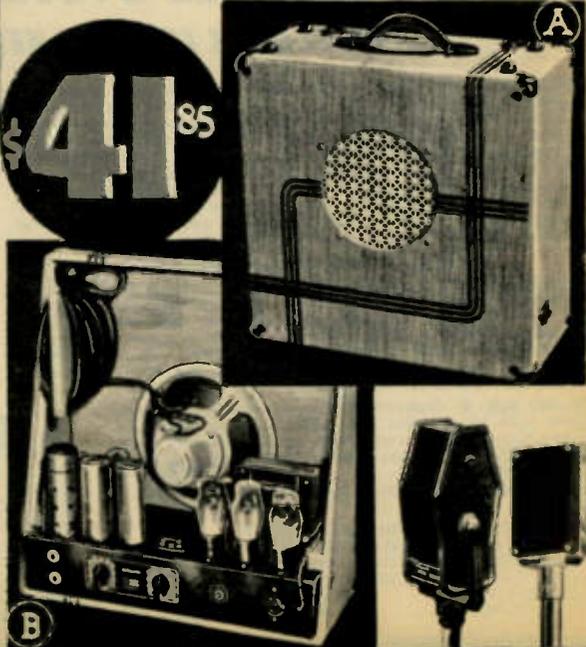
Peak Output	20 Watts
Maximum Output to 500 ohms	15 Watts
Harmonic Content at 15 Watts	9%
Hum Level below 15 Watts	45 db
Output Impedances: .35/.6/1.35/2.4/6/8/15/50/250/500 ohms	
Gain: High Gain Channel: at 5 megohms	140.2 db
at 150,000 ohms*	125 db
Gain: Low Gain Channels: at 500 ohms	95.2 db
at 150,000 ohms*	90 db

\*Highest impedance of present-day input devices.



**SUPERB**, light-weight portable system, weighing only 36 pounds and measuring only 17"x17"x7" wide, is provided by the Lafayette Model 579P, which includes two dynamic speakers in a modern, rugged, airplane luggage carrying case. For general P. A. work. Case shown closed for transportation at "A," right; open with amplifier removed for operation at "C" and "D" left; open with amplifier in place for operation or transportation at "B."

**Model 579-P**—System consists of Lafayette 15-watt amplifier, two dynamic speakers, one with 25' and one with 50' heavy duty extension cable; for 110 volts, 50-60 cycles a.c. Less tubes and microphone equipment. Shpg. wt. 48 lbs; Code SAFKA.  
 List Price..... **\$79.00**  
**YOUR COST**..... **\$41.85**  
 Kit of tubes for above..... **\$4.00**  
**Mike Combination 666-M**—Consists of Amperite Velocity microphone 13619, chromium plated, adjustable floor stand No. 13577, and 25 feet of microphone cable. Shpg. wt. 22 lbs. Code MOTON.  
 List Price..... **\$43.00**  
**YOUR COST**..... **\$21.50**  
**Mike Combination 607-M**—Consists of Shure Wide Range Crystal microphone 701-A, chromium plated, adjustable floor stand 13528 (page 58), and 25 feet of shielded microphone cable. Shpg. wt. 14 lbs. Code MALAS.  
 List Price..... **\$41.00**  
**YOUR COST**..... **\$21.00**  
 Other microphones and stands suited for use with above system are listed and illustrated on pages 58 and 59.



**\$41<sup>85</sup>**



# Lafayette



# 38 WATT

## Four Inputs

• • Especially Suitable for Churches, Athletic Stadiums, Halls and Large Call Systems

### TECHNICAL CHARACTERISTICS

Peak Output	50 watts
Maximum Output to 500 ohms	38 watts
Harmonic Content at 38 watts	7%
Hum Level	-42 db
Output Impedances: .35/6/1.35/2/4/6/8/15/50/250/500 ohms.	
Average Power Drain	190 watts
Amplification: High gain channels:	
at 5 megohms	137.2 db
at 150,000 ohms*	122 db
Amplification: Low gain channels:	
at 500,000 ohms	91.2 db
at 150,000 ohms*	86 db
*Highest impedance of input devices.	

# \$42.75

**L**AFAYETTE Model 255-A is one of the finest public address amplifiers available today at any price. Power output is adequate for all except the largest sound requirements. Tonal quality is unsurpassed; frequency response is 3 db. 50-10,000 c.p.s.

#### VERSATILE INPUT CIRCUITS

Four input channels are provided; two high-gain for modern velocity or crystal sound-cell microphones, and two low-gain for phonograph input, electric guitar, etc. Sound from any two sources can be used simultaneously, and mixed in any proportions of volume required. Sound sources unused at any given moment remain connected, and are brought into operation at the twist of the control knob.

Wide range tone control is included, for modification of quality to suit taste or operating conditions, and for minimization of feedback at the high volume output provided by this amplifier.

#### TEN TUBES IN FIVE-STAGE CIRCUIT

Five stages of amplification are provided by ten tubes, as follows: two 2A6's as voltage pre-amplifiers; one 53 as mixer tube; one 53 as voltage amplifier; one 59 as driver stage; four 46's in power output stage; one 83 as mercury vapor rectifier. Thirty-eight watts are delivered to a 500-ohm speaker line at -42 db hum level and 7% harmonic content. Frequency response is within 3 db from 50 to 10,000 cycles per second.

#### FIELD SUPPLY FOR SPEAKER SYSTEM

Forty watts of speaker exciting power is provided, for a 5,000-ohm field system. Four 1,250-ohm fields can be excited at 10 watts each, or five 1,000-ohm fields at 8 watts each, etc. Speaker connections, both field and voice, are plugged into sockets provided at the rear of the amplifier.

#### AMPLE SAFETY FACTOR PROVIDED

All resistors, condensers, filters, transformers and chokes are of the highest quality, chosen for safe operation under all normal conditions of line voltage or of continuous, heavy-duty operation, assuring trouble-free service at maximum power output.

#### SIMPLE, SAFE INSTALLATION

Polarized plug-in connections are included to simplify installation and remove possibility of wrong connections. Speaker plugs carrying both field and speech lines are brought to the back of the chassis; or the plugs may carry field lines only and speech lines brought through pin connectors to any of the speaker impedances provided by the pin jacks at the front of the panel, where output impedances available are plainly marked. Input terminals are protected by shield covers and located directly under the mixer controls.

The chassis is of exceptionally heavy-gauge steel, with steel screen cover optional. Ample ventilation is provided by the screen cover. Parts subject to temperature rise are mounted on the top of the chassis where heat can readily be dissipated.

#### FOR HEAVY DUTY P. A. WORK

Lafayette Model 255-A is recommended for medium to large size church systems, auditoriums, meeting halls, athletic stadiums, fairs and carnivals, and for all except the largest call and communication systems in stores, factories, etc., and for large music disseminating systems.

#### SOUND ENOUGH FOR LARGE AUDIENCES

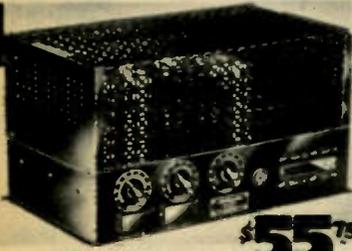
Thirty-eight watts of sound power provided by the Lafayette 255-A amplifier, unequalled except in the largest P. A. systems, is adequate for audiences up to several thousand, indoors or outdoors, and sufficient for 30 or more classrooms, hotel rooms, etc.

**Model 255-A**—Lafayette 38-Watt 4-in-1 High-Gain Amplifier, for 110 volts, 50-60 cycles a.c.; 9 1/2" x 16 1/2" x 9 1/2" high; less tubes and screen cover. Shpg. wt. 90 lbs. Code ATLAS. List Price \$65.50

**YOUR COST** **\$42.75**

Kit of tubes for above amplifier: 2-2A6's, 1-53, 1-59, 4-46's and one 83. **YOUR COST** **\$5.03**

**Model 255-DF**—Screen Cover. Provides perfect protection. Shpg. wt. 6 lbs. **YOUR COST** **\$1.99**



# 60 WATT MODEL Single Unit

**E**NORMOUS power for all except the most unusual P. A. applications is provided by the Lafayette Model 290-A 60-Watt Amplifier. Peak power 100 watts. Designed for very high volume at extraordinary tone quality. Has versatile input circuits; see technical characteristics, below.

#### TECHNICAL CHARACTERISTICS

Peak Power Output	100 watts
Maximum Output to 500 ohms	60 watts
Harmonic Content at 60 watts	5%
Hum Level below 60 watts	-42 db
Output Impedances: same as 255-A, above.	
Gain:	
High-Gain Channel: 5 megohms	141.2 db
"                  " at 150,800 ohms*	126 db
Gain:	
Low-Gain Channel: 1/2 megohm	95.2 db
"                  " at 150,000 ohms*	90 db
Frequency Response: Within 2 db from 50 to 10,000 cycles per second.	
Average Power Consumption	200 watts
*Highest impedance of input devices.	

Lafayette Model 290-A incorporates all the advantages of circuit, flexibility and construction of the 255-A, described in detail above, at full 60 watts power output to a 500-ohm line. Field power is not provided; a.c. or permanent magnet dynamic speakers must be used. Oversize parts and heavy-gauge steel chassis, with screen cover optional, for reliability in strenuous use. Gain permits direct operation with velocity or crystal sound-cell microphones.

**Model 290-A**—Lafayette 60-Watt Amplifier, for 110 volts, 50-60 cycles a.c.; 9 1/2" x 16 1/2" x 9 1/2" high; less tubes and screen. Shpg. wt. 90 lbs. Code ALMIA.

List Price **\$111.50**

**YOUR COST** **\$55.75**

Kit of Tubes: 2-2A6's, 2-53's, 1-59, 6-46's, and 1-83 rectifier.

**YOUR COST** **\$6.13**

**Model 290-DF**—Screen Cover. Shpg. wt. 6 lbs. For protection.

**YOUR COST** **\$1.98**

• • Enormous Power for Mass Meetings, Airports, Rinks, etc.  
• • Uses Velocity and Sound-Cell Mikes

44 "Blue Ribbon" Products approved by Wholesale Radio Service Co., Inc.

# 4 in 1 DUAL HIGH GAIN AMPLIFIER

## with Electronic Mixing and Fader Control

### COMPLETE 38-WATT HIGH FIDELITY SYSTEM

The Lafayette 38-watt high fidelity system is built around the Lafayette 255-A amplifier described in detail on page 44, opposite, and incorporates four Jensen high fidelity speakers, deriving their field excitation from the power supplied by the amplifier circuits.

### HIGH FIDELITY SPEAKERS

The twelve-inch Jensen high fidelity speakers are famous for their pure tonal quality and power-handling efficiency, delivering more sound per watt of electrical input than most other dynamic speakers. Their tone quality, in frequency range and in absence of distortion, does full justice to the superb quality of the Lafayette 255-A Amplifier, and these speakers in association with that amplifier form a combination difficult to surpass at any price. Complete technical specifications and description of the Jensen A-12 speakers will be found on page 63 of this catalog.

### FLARE Baffles

Sound distribution is secured, with the Lafayette 800-P system, by means of the No. 19838 flare baffles, which project the sound away from the speakers, distributing it with greater evenness of volume over a wide area, serving at the same time as efficient baffles to conserve low-frequency response. Full description of the baffles used, and of other baffles that may be preferable for certain purposes, will be found on page 62.

The baffles will serve also to minimize feed-back by pointing sound away from the microphone. The enormous power of the Lafayette 800-P system requires that the microphone be protected against excessive volume from its own loud speakers.

### SMOOTH RESPONSE—MINIMUM FEEDBACK

Feedback is further combated by the use of Jensen high fidelity speakers, with their exceptionally flat response characteristic. The choice of these speakers, in association with the flat response curve of the 255-A Amplifier, permits operation at high volume level before feedback occurs, since there are no pronounced peaks at some frequencies to cause feedback while overall volume remains relatively low.

### LOW LEVEL MICROPHONES

The very high gain of this Lafayette amplifier (122 db at 150,000 ohms) permits use of modern, high quality, low level microphones, such as the wide

range crystal microphone, or velocity microphones of the beam type that can be rotated to minimize their response to loud speaker sound and still further reduce possibility of feedback.

### MULTI-PURPOSE SYSTEM

The 800 System is ideal for large political gatherings. The power output reinforced by the efficiency of the speakers, will override cheering and other background noise, and the tone quality will convey every shade of personality in the voice of the orator. The 800-P System is recommended also for all medium to high power P.A. uses.

**System 800-P**—Lafayette 4-in-1 high gain system complete with four Jensen A-12 high-fidelity speakers, one Lafayette Model 255-A Amplifier with tubes and screen cover; four No. 19838 flare baffles; no microphone equipment or cables included; for operation on 110 volts, 50-60 cycles a.c.; shpg. wt. 160 lbs. Code STEVO. List Price ... **\$175.00**

YOUR COST ... **\$87.50**

**Mike Combination No. 604-M**—Consists of Amperite Velocity Microphone 13619, (see page 59), No. 13577 chromium plated floor stand (page 58), 25 feet of heavy duty rubber covered cable, No. 20842 (page 58). Code MOTON. Shpg. wt. 25 lbs. List Price ... **\$42.50**

YOUR COST ... **\$21.50**

**Mike Combination No. 607-M**—Consists of Amperite "Streamline" Velocity Microphone No. 13565, less switch, chromium plated floor stand adjustable from 37" to 67", 25 feet of heavy duty rubber covered shielded microphone cable (No. 20842, page 58). Code MALAS. Shpg. wt. 25 lbs. List Price ... **\$42.00**

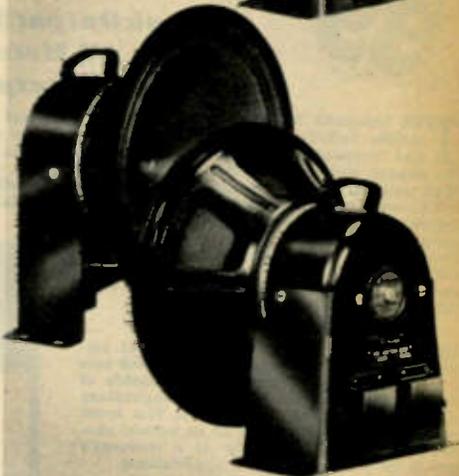
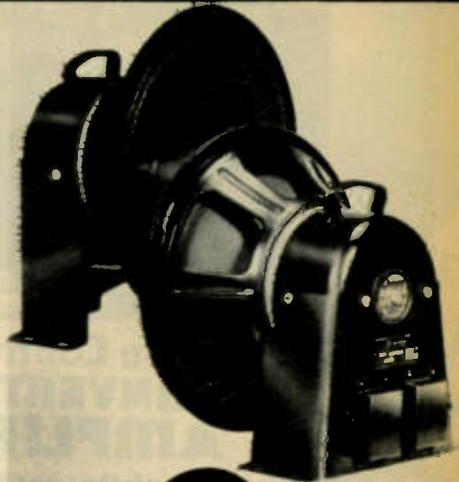
YOUR COST ... **\$21.00**

**Mike Combination No. 608-M**—Consists of Amperite "Streamline" Velocity Microphone No. 13565, less switch (page 59), chromium plated floor stand No. 13577, 25 feet of rubber covered shielded microphone cable, No. 20842. Code MINET. Shpg. wt. 25 lbs. List Price ... **\$66.50**

YOUR COST ... **\$33.25**

**Mike Combination No. 609-M**—Consists of Amperite "Streamline" Beam Type Velocity Microphone 13612 (page 59), 13577 chromium plated floor stand, and 25 ft. heavy duty No. 20842 mike cable. Code MELKA. Shpg. wt. 30 lbs. List Price ... **\$66.50**

YOUR COST ... **\$33.25**



### POWER

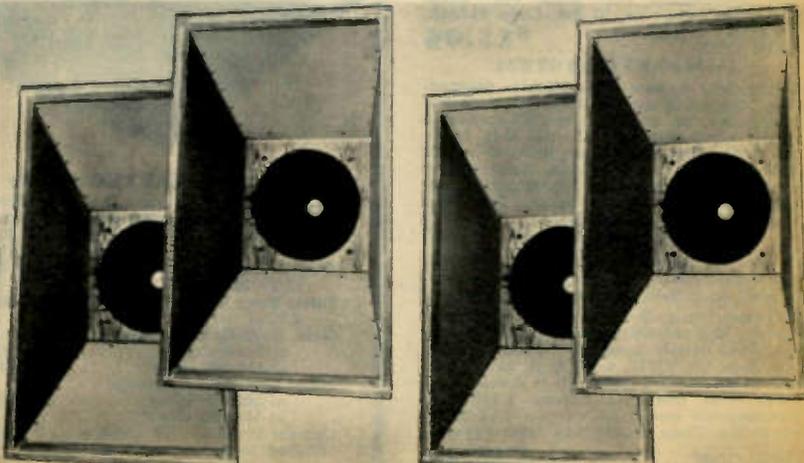
Thirty-eight watts undistorted (7%) output to a 500 ohm loud speaker line provides ample power for most P.A. needs, reinforced by the extraordinary efficiency of the Jensen speakers.

### QUALITY

The union of the Lafayette 255-A high fidelity amplifier and Jensen high fidelity 12-inch dynamic speakers in one matched system provides unparalleled quality of tonal results for the most exacting public address requirements. Fidelity of reproduction is unsurpassed.



**2**  
MIKES  
CAN BE  
USED AT  
SAME  
TIME



"Blue Ribbon" Products approved by Wholesale Radio Service Co., Inc. **43**

# Lafayette

## 6 VOLT MOBILE

**15  
WATTS**  
**\$39<sup>75</sup>**

### Remote Control CONVERTIBLE AMPLIFIER

- Peak Output 22 Watts
- Uses All Metal Tubes
- "Beam" Output Tube

**T**HE Lafayette Model 148-A is ideal for political and general mobile ballyhoo. It mounts in truck or pleasure car as easily and compactly as an auto radio, yet delivers the volume and the superb quality indicated by the characteristics given above. High gain channel is provided for crystal or close talking velocity mike; low gain channel for phonograph or miscellaneous sound inputs; sound from both may be used simultaneously through remote control mixer. Driver can easily operate the equipment while car is in motion. Stand-by switch, remote controlled, reduces battery drain two-thirds by opening B supply circuits.

#### CONVERTS ANY CAR

This amazingly compact and powerful amplifier converts any automobile or truck into a moving public address system capable of full volume operation anywhere, regardless of the existence of power lines. The truck or car so equipped retains all its normal usefulness and yet is ready at a moment's notice for a variety of P.A. applications.

**Model 148-A**—Lafayette convertible automobile amplifier with remote control unit. For 6 volts d.c. Less tubes. 12" x 7 $\frac{1}{4}$ " x 7 $\frac{1}{2}$ ". Shpg. wt. 32 lbs. Code AMDEN. List Price, \$79.50  
**YOUR COST** ..... **\$39.75**

Kit of tubes for above, your cost. .... \$3.70

**Model 1050-PP**—Special a.c. power pack to convert above amplifier for 110-volt 50-60-cycle a.c. operation. Complete with 83 tube. Dimensions 8 $\frac{1}{4}$ " wide, 6 $\frac{1}{2}$ " deep, 6 $\frac{3}{8}$ " high. Shpg. wt. 23 lbs. Code PLEMA. List Price ... \$23.90  
**YOUR COST** ..... **\$11.95**

#### COMPLETE SYSTEM

A complete system is available, incorporating the 148-A amplifier described above. It includes the amplifier, one Piezo-Astatic crystal hand microphone with 12-ft. cable and connecting plug, one Rola 12" high fidelity speaker in aluminum dome baffle, complete with fixture for top of car mounting, and weatherproof cover. Complete, ready to install and operate.

#### USES A. C. PACK

To use the same system on a.c. the a.c. power pack described above must be added, as well as a field exciter for the speaker.

**System 801-P**—Consists of Lafayette Model 148-A amplifier complete with tubes; one Piezo-Astatic hand microphone D104-H (see page 58), 13575, with 12 ft. cable; one Rola 12" speaker (page 52) in dome baffle 20040 with mounting fixture 20060 and weatherproof cover, for 6 volts d.c. Shpg. wt. 60 lbs. Code SELOR. List Price \$157.00  
**YOUR COST** ..... **\$78.50**

- Remote Control from Steering Column of Car
- Stand-By Switch Keeps Filaments On for Instant Operation
- Reliable ●● Rugged

#### TECHNICAL CHARACTERISTICS

Peak Output, 22 Watts: Output to 500 ohms, 18 Watts at 5%, harmonic content. 15 Watts at 3 $\frac{1}{2}$ %.  
Output Impedances: .35/.6/1.35/2.4/6/8/15/50/250/500 ohms  
Gain: High Gain Channel:  
At 5 megohms: 125.2 db; at 150,000 ohms\* 110 db  
Gain: Low Gain Channel:  
At 500,000 ohms: 80 db; at 150,000 ohms\* 75 db  
Tubes Used: 1-6J7; 1-6N7; 2-6L6  
Power Consumption ..... 14 amperes at 6 volts  
\*Highest value of present-day input devices.



**\$44<sup>75</sup>**

Amplifier without screen cover shown above; with cover in place at lower left of Page 47.

#### TECH. CHARACTERISTICS

Peak Output ..... 30 Watts  
Maximum Output to 500 ohms. 20 Watts  
Harmonic Content at 20 Watts ..... 9%  
at 16 Watts ..... 6%  
Output Impedances: .35/.6/1.35/2/4/8/15/50/250/500 ohms  
Tubes Used: 2-75's, 1-6A3, 1-76, 1-6E6 and 4-79's  
Gain, High-Gain Channels:  
at 5 megohms ..... 140 db  
at 150,000 ohms\* ..... 125 db  
Gain, Low-Gain Channels:  
at 500,000 ohms ..... 100.2 db  
at 150,000 ohms\* ..... 95 db  
Current Drain ..... 18 amperes at 6 volts  
\*Highest impedance of input devices.

**MORE** powerful and more versatile than the Lafayette 148-A, the Model 275-A incorporates four input circuits, two high gain and two low gain, any two of which can be mixed as desired for simultaneous operation. Tone control is also included, for adjustment of sound quality to taste, and to minimize feed-back at high-volume operation. Silent, enclosed Gene-motor, master and stand-by switches and high gain for standard velocity microphone operation are other features of this amplifier. The Lafayette Model 275-A is a high power, all around P.A. amplifier, readily converted to a.c. operation.

# Convertible 110 VOLT AMPLIFIERS

## PHONO-P.A. COMBINATION 6 VOLT D.C. 110 VOLT A.C. AMPLIFIER

**IDEAL FOR BALLYHOO WORK**  
Especially designed for ballyhoo work, political rallies, coming merchandise sales, new moving picture films, etc., this radically different mobile equipment answers the demand for complete, versatile, automotive P. A. The perfect rental system, it meets the requirements of renters of all types and businesses.



**.. UNIVERSAL SYSTEM—  
USES MICROPHONE AND  
RECORDS**

**15  
WATTS  
\$ 77<sup>50</sup>**

## 6 VOLT D.C. 110 VOLT A.C. Convertible AMPLIFIER

### WIDE RANGE FREQUENCY RESPONSE

The wide range frequency response of Lafayette Model 275-A amplifier (50 to 10,000 c.p.s., within 3 db) is shown in the accurate curve printed on page 20 of Catalog 64W. Write for your free copy.

### 20 WATT 6-VOLT EQUIPMENT

**Model 275-A**—6-volt 20-watt Convertible Amplifier, less tubes and Screen; Dimensions: 9 1/4" x 17 1/2" x 9 1/2" high. Shpg. wt. 37 lbs. Code ACCES. List Price ..... **\$89.50**

**YOUR COST** ..... **\$44.75**

**Model 275-DF**—Screen cover for above. Shpg. wt. 5 lbs. **\$2.50**

Kit of tubes for above. **YOUR COST** ..... **\$5.72**

**Model 1052PP**—A.C. power pack for operating 275-A amplifier from 110 volts, 60 cycles a.c. 12" x 7 1/4" x 6 3/4" high. Shpg. wt. 27 lbs. Code PLIRE. List Price ..... **\$23.90**

**YOUR COST** ..... **\$11.95**

**Model 1050-PP** Field exciter for operating up to 3 six-volt speaker fields from 110 volts, 60 cycles a.c. 4 1/2" x 6" x 12" long. Shpg. wt. 10 lbs. Code PLAVA. List Price ..... **\$39.00**

**YOUR COST** ..... **\$19.50**

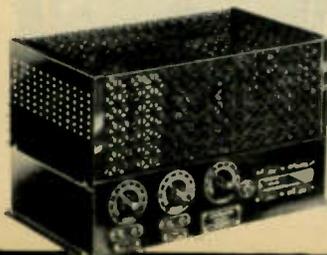
**Mike Combination 606-M**—Amperite Velocity microphone 13619, mounted on floor stand 13577, and equipped with 25 feet cable, 20842. Shpg. wt. 22 lbs. Code MOTON. **\$21.50**

**YOUR COST** ..... **\$21.50**

### COMPLETE SYSTEM

**Model 802-P**—Lafayette 20-watt, 6-volt system, consisting of 275-A amplifier with tubes and screen, and two Rola 19244, 12" high fidelity speakers in 20040 aluminum dome baffles. Shpg. wt. 160 lbs. Code SQAVO. List Price ..... **\$103.00**

**YOUR COST** ..... **\$81.50**



**THE Lafayette Model 574-P phono-amplifier incorporates the 148-A amplifier listed on page 46, with the identical characteristics of volume output and high quality sound. Refer to the technical characteristics printed on page 46 for details.**

The input of the 574-P phono-combination, however, includes three channels, one high gain and two low gain, with a mixer-tader permitting blending of the high gain source with either of the low gain channels. Separate tone control is provided for the built-in phono, in addition to the master tone control. Other controls include master on-off switch, stand-by switch, jack for high-gain microphone and jack for the second low-gain input.

### TWO-SPEED PHONO MOTOR

The phonograph includes a two-speed 6-volt electric motor for both 78 r.p.m. and 33 1/3 r.p.m. records, and a high fidelity crystal pickup which has the widest tone range of all phono pickups. Low needle pressure insures long record life.

The equipment is sufficiently compact for use in the smallest coupe, but powerful enough for all except the largest indoor and outdoor gatherings. It is readily convertible to 60-cycle, 110-volt operation by means of the power packs listed below.

### LOW POWER CONSUMPTION

Power consumption when used in mobile operation is only 14 amperes for the amplifier alone, or less than the charging rate of the average generator when the motor is running. Hence there is substantially no drain at all upon the storage battery, and operation may be continued for many hours, almost indefinitely, without strain upon the battery of any kind.

**Model 574-P**—Lafayette 6-volt phono-amplifier, as described, less tubes, 11 3/4" x 12 1/4" x 14 3/4" high. Shpg. wt. 72 lbs. Code SMOTA. List Price ..... **\$145.00**

**YOUR COST** ..... **\$77.50**

Kit of Tubes for Above ..... **\$3.70**

**Model 1050-PP**—Lafayette Power Pack to operate amplifier only from 110 volts, 50-60 cycles a.c. 8 1/4" x 6 1/2" x 6 3/4" high. Shpg. wt. 23 lbs. Code PLEMA. List Price ..... **\$23.90**

**YOUR COST** ..... **\$11.95**

**Model 1055-PP**—Lafayette Power Pack to operate phono motor only, from 110 volts 50-60 cycles a.c. 12" x 6" x 4 1/2" high. Shpg. wt. 23 lbs. Code PLAVA. List Price ..... **\$39.00**

**YOUR COST** ..... **\$19.50**

### COMPLETE D.C. SYSTEM—NOTHING ELSE TO BUY

**Model 803-P**—Comprises a complete system ready for operation from any 6-volt storage battery; consists of phono-combination described above, complete with tubes; two Wright de Coster 2050 combination trumpet-speakers illustrated above (see also page 62), and model D-104HS Astatic crystal hand microphone (sound cell or velocity microphones may be substituted at catalog prices). Shpg. wt. 115 lbs. Code SCEMA. List Price ..... **\$333.00**

**YOUR COST** ..... **\$116.50**

**25**  
**WATTS**  
*Output*  
**HIGH GAIN**  
**HIGH FIDELITY**



*Especially*  
**Designed**  
*for the*  
**MUSICIAN**

*De Lafayette*  
**LUXE VELOCITY PORTABLE SYSTEM**

**THIS** portable system, designed and created for musical work, fulfills every requirement requested over a period of years in hundreds of letters addressed to Lafayette Radio Manufacturing Company and Wholesale Radio Service Company, Inc.

**USERS DESIGNED THIS SYSTEM**

By analysis of detailed correspondence, received from musicians and orchestra leaders everywhere, the needs and desires of musicians were listed and classified. The Lafayette System is the result.

**SIMPLICITY IN OPERATION**

Essential operating instructions are imperishably engraved on the front panel (see illustration) where they can never be lost and are instantly available each time this portable equipment is taken down or re-assembled. Similarly, the three input jacks, as well as the three controls, are permanently engraved with all necessary information.

**QUICKLY ASSEMBLED AND DISMOUNTED**

The 571-P System can be taken down for transportation and re-assembled with the utmost speed and convenience. ALL connections are plug and jack type, microphone and other input sources plugging into the front of the panel; speakers connecting through polarized receptacles to the rear of the panel. Nothing could be quicker, more trouble-proof, or more convenient.

The entire system, INCLUDING microphone equipment, mounts for carrying in two compact cases. The illustration at the right, below, indicates how the microphone and stand are carried. This special provision, not included in most portable systems, is typical of the attention to detail found in the 571-P system.

**\$84<sup>75</sup>**  
**LESS ACCESSORIES**

● ● LAFAYETTE MEDIUM-HIGH POWER SOUND SYSTEM FOR THE MUSICIAN.

● ● DESIGNED THROUGHOUT FOR PORTABLE ORCHESTRA WORK

The tone quality of the Lafayette 571-P System will satisfy the most exacting. Beam power tubes provide high volume level at low harmonic distortion. See page 43 of this catalog for detailed description of the technical characteristics of this unit. The exterior appearance of this amplifier is, however, considerably different, being more studio like.

Two high gain inputs and one low gain input are provided; sound from any two sources can be used simultaneously and mixed in any proportions of volume required. Gain is sufficient for ultra-modern velocity or crystal sound-cell microphones.

**Model 571-P**—Lafayette DeLuxe Velocity Portable System, designed for the musician; for 110 volts, 50-60 cycles a.c.; amplifier case 9½" x 18" x 13" high; speaker case 20" x 11½" x 23" high; complete with tubes; shpg. wt. 175 lbs. Code SONIA. Less microphone and stand. List Price **\$169.50**

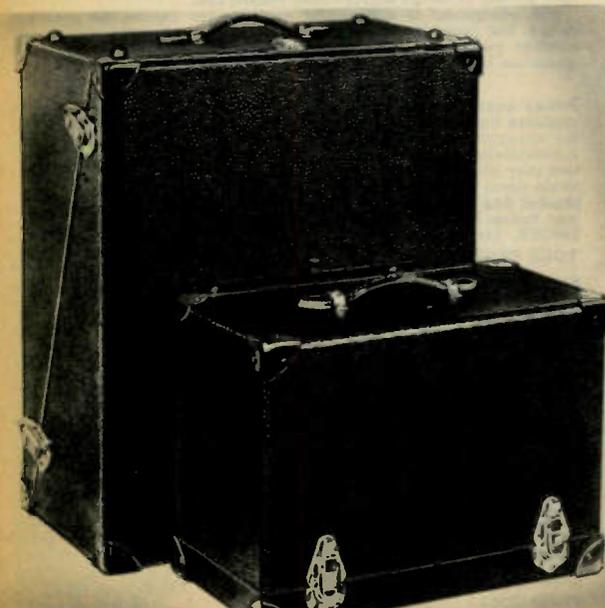
**YOUR COST** ..... **\$84.75**

**Model 611-P** mike combination consists of one Amperite 13612 Beam Velocity Microphone, one special collapsible chromium plated mike stand, W13646, 25 ft. of cable. Shpg. wt. 25 lbs. Code SERGE. List Price **\$65.00**

**YOUR COST** ..... **\$32.50**

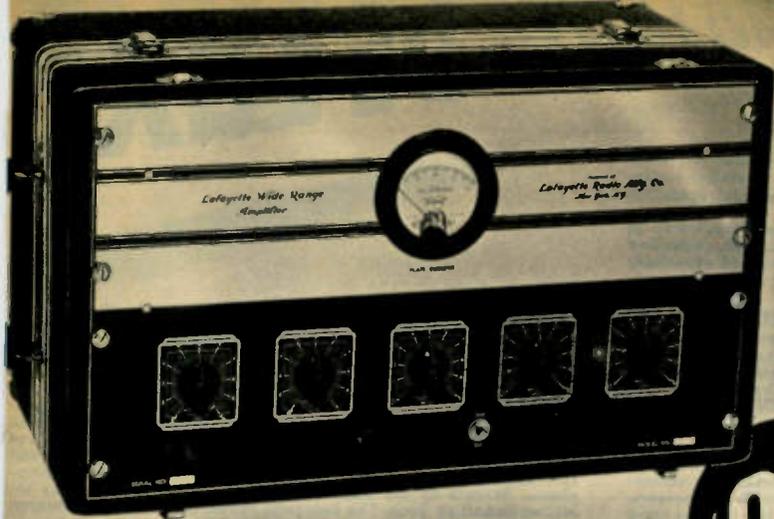
**Model 612-P** comprises one Shure 701-A Wide Range Crystal Mike, one special collapsible chromium plated mike stand, W13646, 25 ft. of cable. Shpg. wt. 25 lbs. Code SMAVA. List Price **\$45.00**

**YOUR COST** ..... **\$22.50**



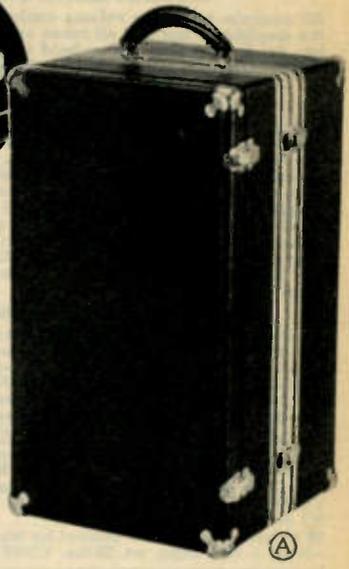
48 *'Blue Ribbon' Products approved by Wholesale Radio Service Co., Inc.*

# 20 WATT de luxe PORTABLE SYSTEM



with  
**PROFESSIONAL CONTROL PANEL**

**\$99.50**  
LESS ACCESSORIES



**D**ESIGNED especially for orchestra leaders who want the finest in sound reinforcement, the Lafayette de luxe portable system offers every modern improvement. Two input channels are provided with individual tone controls, one in each of the high gain mike channels, providing unrivalled delicacy of tonal adjustment. Two dual input mixer fader controls permit mixing of sound from any two sources, and instantaneous selection among any of four sound input lines, two high gain and two low gain. Overall volume control is included.

### STRIKING APPEARANCE

Appearance as well as performance has been considered in the design of the Lafayette Model 563-P system. The panel is finished in contrasting rubber-black and silver. The identical color scheme and similar design distinguishes the smart, modernistic carrying cases. All connections are plugged into the rear of the amplifier to avoid marring the appearance of the front panel.

Sufficient gain is provided in the amplifier for velocity or crystal sound cell microphones. Any two sound sources can be used simultaneously and mixed as desired, and four sources can be connected, selection among them being made by the twist of a dial. The power output will be ample for all except the largest audiences. The de luxe system is meant especially for portable work. Carrying cases are reinforced with heavily plated hardware to protect the sturdy leatherette against dirt and scraping that would mar its appearance. A plate current meter is included for quick detection of damaged or worn tubes.

### CONVENIENT SPLIT CASES

The amplifier panel, as it appears in operation, is shown directly above. The amplifier carrying case, as closed for transportation, is illustrated at "A", to the right. The speaker carrying case, closed, is shown below at "B", and the two halves of the split speaker case, open for operation, below at "C" and "D".

The amplifier provides 35 watts of field power to two 2500-ohm speaker fields. High fidelity 12" heavy duty d.c. speakers are used, and are equipped with cable and plugs. Fifty feet of cable is supplied with each speaker. Cleats for winding up the cable for transportation are included in the speaker case. All connections are of plug and jack type.

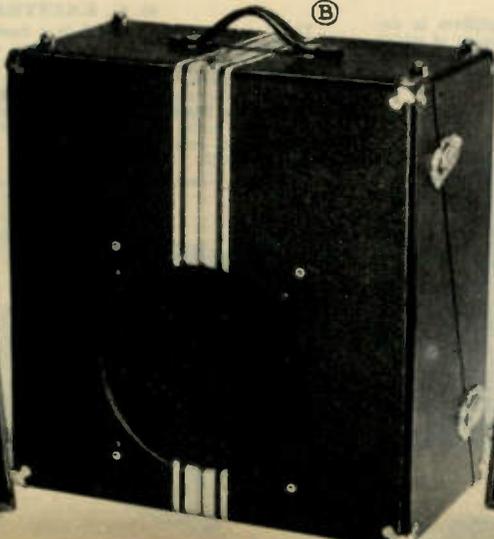
**... For Orchestras,  
Lecturers, Small  
Theatres and Halls**

### TECHNICAL CHARACTERISTICS

- Peak Output . . . 25 watts
- Max. Output to 500 ohms . . . 20 watts
- Harmonic Content at 20 watts . . . 9%
- at 15 watts . . . 5%
- Hum Level -48 db below 20 watts
- Power Load . . . 150 watts
- Output Impedances: .35/6/1.35/2/4/6/8/15/50/250/500
- Gain: High Gain Channels at 5,000,000 ohms, 134.2 db at 150,000 ohms, 119 db
- Gain: Low Gain Channels at 5,000,000 ohms, 91.2 db at 150,000 ohms, 86 db
- Tubes Used: 2-75's; 2-6A6's; 2-6B5's; 1-83V.

- Model 563-P System**—complete with carrying case and two high fidelity speakers equipped with cables and plugs, less tubes and microphones, for 110 volts 50-60 cycles a.c. Dimensions, amplifier: 20" x 11 1/2" x 11 1/2"; speaker case 20" x 11 1/2" x 22 1/2". Shpg. wt., 132 lbs. Code AMKOR. List Price . . . **\$99.50**
- \$199.00 YOUR COST**
- Mike Combination 607-M**—Consists of Shure Bros. Wide Range Crystal Model 701-A mike, floor stand W13528 and 25 feet of cable. Shpg. wt. 14 lbs. Code SPEBA. List Price . . . **\$42.00**
- \$21.00 YOUR COST**
- Mike Combination 609-M**—Consists of Amperite "Streamline" Velocity mike W13565, floor stand W13577 and 25 ft. cable. Shpg. wt. 22 lbs. Code SREFA. List Price . . . **\$66.50**
- \$33.25 YOUR COST**

Write us, without obligation, for advice upon the microphone combination best suited to the 563-P system in your own use.



# Lafayette DE LUXE

**T**HE Lafayette Model 400-A amplifier is designed and built specifically for theatre use, and incorporates oversize, exceptionally rugged parts throughout, for failure-proof operation under theatre conditions.

The 6L6 beam tubes provide ample power for any theatre up to three thousand seats. The Lafayette electronic equalizer, controlled by a full-grip knob on the front panel, was developed especially for this amplifier, and provides compensation for acoustic irregularities or for defects in recording.

## MOUNTS READILY ON WALL

Power and quality have been built into a compact unit; the 400-A mounts conveniently on the projection room front wall. Cables from either end run directly to the photo-electric cells. The voltage supplied to each cell is independently variable, by means of controls mounted on the front panel, and read directly by front panel voltmeter.

## MICROPHONE CAN BE USED

All controls, including volume control, are mounted on the face of the amplifier. Fuse and all tubes are readily accessible by removing the front screen cover—held in place by two thumb screws. Microphone jack is provided on the front panel and may be used for announcements or for music from a non-synchronous source.

## ONLY EIGHT CONNECTIONS

Installation requires only eight connections: two to each of the photocells, two to the loud speaker line, and two to the source of a.c. power. All terminals are covered by metal boxes having knockouts at side and bottom. Eight tubes are used in a modified class "A" circuit: 1-83 high-voltage rectifier, 1-82 bias rectifier, 1-6C6 voltage amplifier, 1-6C6 electronic equalizer, 1-76 voltage amplifier, 1-42 triode driver, and 2-6L6 beam power tubes in push-pull class "AB" output stage. The Lafayette 400-A is the first theatre amplifier to use these new and efficient tubes.

## MAKES COMPACT ASSEMBLY

As illustrated at "A" below, the Lafayette 400-A amplifier is shown with the Model 403-A a.c. exciter supply panel (see page 51), constituting a complete standard fidelity system. Lafayette Model 404-A d.c. exciter supply panel shown at "C" may be used instead for high fidelity reproduction and remote control changeover.

**Model 400-A**—Lafayette 40-Watt Theatre Amplifier, less tubes. Panel for standard rack mounting. For 110 volts, 50-60 cycles a.c. 19" x 8 3/4" x 9 1/4". Shpg. wt. 73 lbs. Code ASTAN. List Price \$137.00 **\$68.50**

**YOUR COST**  
 Kit of tubes ..... \$5.24  
**W 22000**—Black metal cabinet for wall mounting 20 1/2" x 10 1/2" x 10". Shpg. wt. 22 lbs. **YOUR COST** ..... \$9.75

## Technical Characteristics

Peak Output	60 watts
Maximum Output to 500 ohms	40 watts
Harmonic Content at 40 watts	5%
Gain at 4 megohms	117 db
Gain from P.E.C. Input	105 db
Gain from Microphone Input*	105 db
Hum Level Below Maximum Sound Level	45 db
Drain from 110-volt line	150 watts
Output Impedance	250 ohms
Output impedances available on request, no extra charge:	35/6/1.35/2/6/8/15/50/500 ohms.

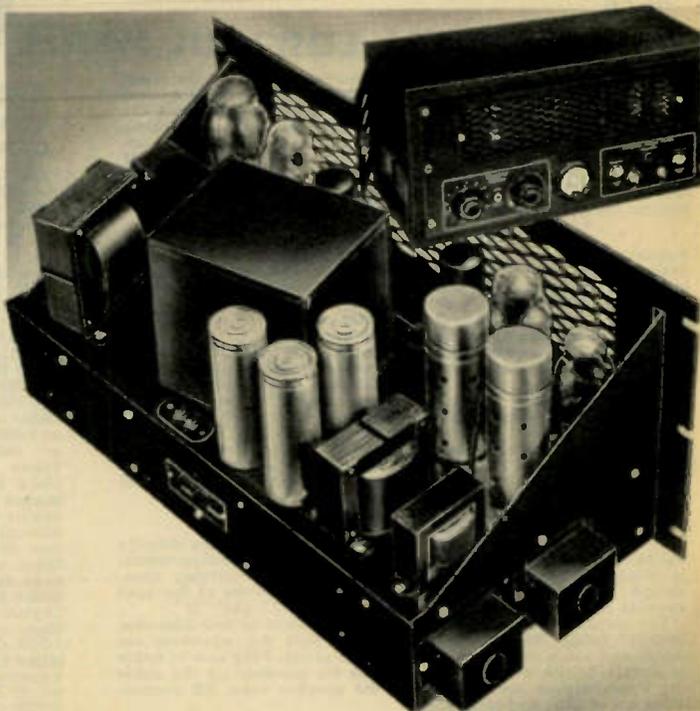
\*At 150,000 ohms, highest impedance of input devices currently available.

## NOTE!

The entire line of Lafayette theatre amplifiers is described in a special four-page circular, copies of which are free from any W. R. S. Co. Inc. office. Simply write "Send me the theatre circular," on a post card.

## Modernize Your Sound Installation At the Cost of a Kit of Tubes!

The Lafayette Model 400-A Theatre Amplifier costs less than a kit of tubes for amplifiers of earlier and less efficient design. It delivers forty watts to the loud speakers, more power than the largest theatres had a few years ago—forty watts of modern, high-fidelity sound, with response up to 10,000 cycles. Preamplifiers become unnecessary with the Lafayette Model 400-A. It possesses enough inherent gain for direct operation from photo cells and (for announcing purposes) from a modern crystal type microphone. Mounts on the front wall between projectors; can be installed in half an hour. The Lafayette Model 400-A is the answer to modern, inexpensive theatre sound equipment.



## D. C. EXCITER LAMP SUPPLY

The Lafayette Model 404-A is a humless d.c. exciter lamp supply unit, providing 10 volts at 7.5 or 5 amperes, or 8.5 volts at 4 amperes. Remote control operated for changeover. Tapped power transformer, with selector switch on front panel to compensate for incorrect line voltage. Terminal strips at each end for direct connection to the exciter lamps supplied.

**Lafayette Model 404-A**—D.C. Exciter Panel for standard rack mounting; for 95-130 volts, 50-60 cycles a.c. 19" x 8 3/4" x 9 1/4". Shpg. wt. 73 lbs. Code ASTIS. List Price \$126.00 **\$63.00**

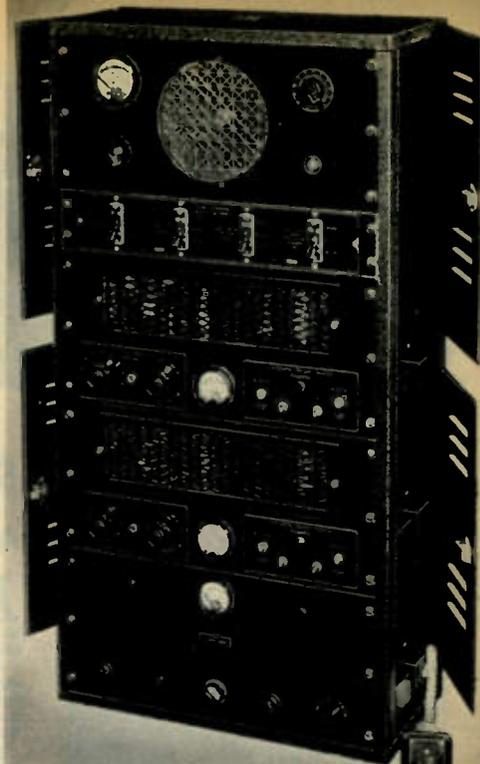
**YOUR COST**  
**W 21900**—6-amp. G. E. Tungar bulbs (two required). Each, net ..... \$2.72

**W 22000**—Metal Cabinet for above. For wall mounting, 20 1/2" x 10 1/2" x 10". Shpg. wt. 22 lbs. **YOUR COST** ..... \$9.75

**W 22157**—Remote Control Stations. 4 1/2" x 2 3/4" x 2". Shpg. wt. 9 lbs. **YOUR COST, each** ..... \$3.95



# 40 WATT THEATRE AMPLIFIER



Write for  
Free Copy of  
Circular on  
Theatre  
Amplifiers

## COMPLETE THEATRE SYSTEM

THE Ace of Lafayette Theatre Systems, illustrated above, the Model 705-P, offers the most remarkable facilities ever made available. By use of the emergency amplifier and the selector panel, all standard tests, including volume indicator readings, buzz track adjustment of exciter lamp, photographic check of sprocket hole interference, etc., can be made on one projector while the other carries on the show. Unparalleled flexibility provides trouble insurance never available until now.

### OTHER COMBINATIONS

Five fundamental units compose the entire line of Lafayette theatre equipment: the d.c. exciter panel, the a.c. exciter panel, the monitor panel, the dual channel selector panel, and the amplifier. By properly choosing these units, a system can be assembled to meet practically any requirement of sound-on-film work. The least expensive is illustrated at "A," page 50, and many other systems are listed below, up to the Ace Model 705-P.

Steel rack cabinets of wall mounting type are provided for all systems. They are equipped with side doors to provide instant accessibility to parts that cannot readily be reached from the front. All cabinets are equipped for wall mounting, and designed to fit on the front wall between the projectors. Even the 705-P system is compact enough to mount in this location. Tube changes and fuse changes can be made with utmost speed. All controls are mounted in front and can be adjusted instantly.

### INTERNAL WIRING

All systems are shipped with internal wiring complete, minimizing installation problems. Only external connections need be made in the projection room. Photo-cell leads and exciter lamp leads terminate at opposite ends of the chassis, always adjacent to the projector they serve.

Systems using the 402-A monitor panel are equipped to test themselves by means of the volume indicator included in that panel. With such systems, gain runs, formerly rare in the theatre, become matters of daily routine.

**System No. 700-P**—Consists of one 400-A amp. and one 403-A a.c. exciter in rack cabinet. 20 1/2" x 14" x 19". Shpg. wt. 95 lbs. Code SCABE. Complete with tubes. **\$92.64**  
YOUR COST

**System No. 701**—Consists of one 400-A amp. and one 404-A d.c. exciter with one remote station. In rack cabinet 20 1/2" x 28 1/2" x 10". One 8 3/4" blank panel. Shpg. wt. 175 lbs. Code SCATO. With all tubes. **\$165.83**  
YOUR COST

**System No. 702-P**—Consists of one 400-A amp., one 402-A monitor and one 403-A a.c. exciter. In rack cabinet 20 1/2" x 28 1/2" x 10". One 5 1/4" blank panel. Shpg. wt. 140 lbs. Code SCBEB. Complete with tubes. **\$123.66**  
YOUR COST

**System No. 704-P**—Consists of two 400-A amp., one 403-A a.c. exciter and one 405-A dual channel selector. In rack cabinet 20 1/2" x 28 1/2" x 10".

One 1 3/4" blank panel. Shpg. wt. 197 lbs. Code SCERO. With all tubes. **\$205.56**  
YOUR COST

**System No. 705-P**—Consists of two 400-A amp., one 402-A monitor, one 404-A d.c. exciter and one 405-A dual channel selector. In rack cabinet 20 1/2" x 40" x 10". Shpg. wt. 186 lbs. Code SCFAN. With tubes. **\$311.08**  
YOUR COST

**System No. 707-P**—Consists of one 400-A amp. and one 402-A monitor. In rack cabinet 20 1/2" x 28 1/2" x 10". One 8 3/4" blank panel. Shpg. wt. 139 lbs. Code SCHAS. With tubes. **\$115.97**  
YOUR COST

**System No. 708-P**—Consists of one 402-A monitor and one 404-A d.c. exciter with one remote station. In rack cabinet 20 1/2" x 28 1/2" x 10". One 8 3/4" blank panel. Shpg. wt. 136 lbs. Code SCJIB. With tubes. **\$122.29**  
YOUR COST

### A. C. EXCITER PANEL (Fig. B)

For all inexpensive theatre installations, where extreme high fidelity is not required. Supplies 10 volts at 7.5 amperes or 8.5 volts at 4 amperes. Includes multi-contact switch for changeover between projectors, and red and green pilot lights to indicate which projector is being supplied. 19 1/2" x 3 1/2" x 4" for standard rack mounting. Shpg. wt. 13 lbs. Code ASTER. **\$10.50**

**Model 403-A—YOUR COST**

### DUAL CHANNEL SELECTOR (Fig. D)

For all systems incorporating emergency amplifiers. Anti-capacity type switches—most efficient known. Circuits such that spare amplifier filaments are kept lighted during show, ready for instant operation. Permits use of one projector, one amplifier and monitor panel for testing and adjustment, while other projector, other amplifier and stage speakers carry on the show. 19" x 3 1/2" x 4" for standard rack mounting. Shpg. wt. 17 lbs. Code ASTMA. **\$27.95**

**Model 405-A—YOUR COST**

### COMPLETE MONITOR PANEL (Fig. E)

Consists of a high quality 8" permanent magnet dynamic speaker, variable range level indicator (output meter) calibrated in decibels, and volume control for monitor speaker. With this panel gain runs, buzz track exciter adjustment, and other standard tests and checks, are available at the flip of a switch. 19" x 8 3/4" x 4" for standard rack mounting. Shpg. wt. 17 lbs. Code ASTYL. **\$29.95**

**Model 402-A—YOUR COST**

# 15 WATT Theatre AMPLIFIER and PORTABLE SYSTEM



**\$44<sup>50</sup>**  
AMPLIFIER ONLY

- Uses New Beam Power Tubes
- Field Supply for 2 Speakers
- Lowest Price Sound-on-Film Unit—Complete Photo Cell Operation—No Extras Required.

**A** HIGH quality, medium power, low cost, sound-on-film amplifier, the Lafayette Model 410-A is of exceptionally rugged construction, designed for use where unflinching operation is the first of all considerations. It offers sound quality identical with that obtained from the leader of the Lafayette theatre line, Model 400-A. (See page 50.) Equipped with the same electronic equalizer or tone control, the Model 410-A also incorporates volume control, changeover switch operating upon the exciter lamp supply, bias voltage for two photo-electric cells and a.c. supply at either 8.5 or at 10 volts for exciter lamps. For extreme high-fidelity work, the a.c. exciter supply may be disconnected, and the Model 410-A used in association with the Model 404-A Lafayette d.c. Exciter Panel (page 50).

Dimensions are only 6 $\frac{3}{4}$ " x 8 $\frac{1}{2}$ " x 16 $\frac{3}{4}$ ". Weight is only 20 lbs., ideal for portable work. Microphone input jack permits auxiliary announcement, or use of phonograph.

### ELECTRONIC EQUALIZER MEETS ALL CONDITIONS

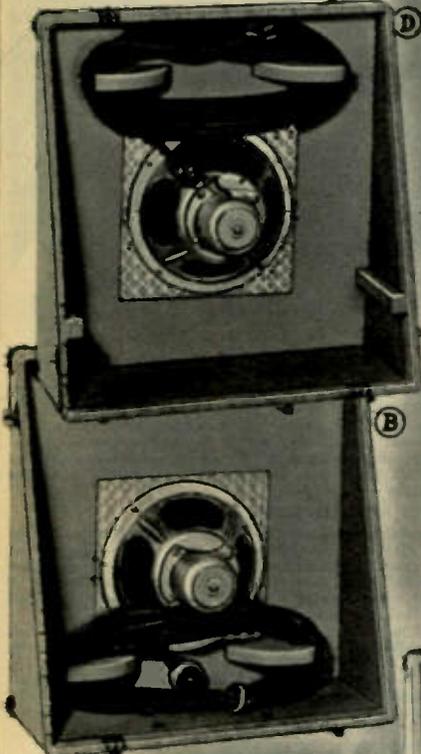
The electronic equalizer, an exclusive Lafayette feature, permits full adjustment of the sound to varying acoustic conditions as encountered in portable operation, or to the acoustics of any theatre in which permanent installation is made, allowing variation of the frequency response of the amplifier to compensate for frequency discrimination in the auditorium.

All controls are mounted on the front panel of the amplifier for instant accessibility during operation. All tubes are at the front of the chassis, for quick change when necessary. Fuse type line voltage control protects the amplifier and provides two-stage adjustment for high or low line voltage. Triple-tap connection provided for adjustment of bias voltage to photo-electric cells. All connections are quickly made for portable or fixed installation. Four connections for two exciter lamps; four connections for two photocells (shielded cables are furnished), speakers and a.c. line are plugged in.

### Technical Characteristics

- Gain from Photocells, 3 megohms 128 db
- Gain from Mike Jack, 150,000 ohms 115 db
- Peak Output ..... 25 watts
- Output, 500-ohm Speaker Line . . . 15 watts
- Output Impedances: 35 to 15, 50, 250, 500 ohms. (State impedance wanted.)
- Power Drain from 110-volt line 125 watts
- Harmonic Content Max. Output . . . 5%
- Field Supply . . . . . 10,000 ohms, 16 watts

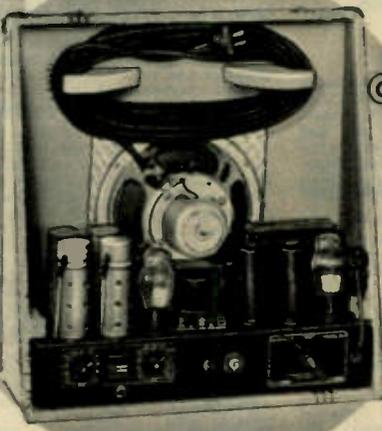
**Model 410-A**—Lafayette 15-Watt Sound-on-Film Amplifier, for 95-130 volts, 50-60 cycles a.c. Dimensions 6 $\frac{3}{4}$ " x 8 $\frac{1}{2}$ " x 16 $\frac{3}{4}$ ". Shpg. wt. 50 lbs. Code AGREM. List Price ~~89~~ **\$44-50**  
**YOUR COST** ..... **\$44-50**  
Kit of Matched Tubes: 2-6J7's, 1-6N7, 2-6L6's, 2-6L6's, 1-83V ..... **\$6.00**



### PORTABLE SYSTEM

**T**HE Lafayette Model 562-A Portable Sound System incorporates everything necessary for sound-on-film reproduction except the projector itself and the photo-electric cell assembly. The Lafayette Model 410-A Theatre Amplifier, included in this system, provides all necessary power to the exciter lamps, as well as bias voltage for two photo-electric cells, and also supplies field excitation to the two powerful 8" dynamic speakers. In the accompanying illustrations, "A" shows the system complete in its modernistic, airplane luggage-type carrying case. "B" and "D" show the split case opened, with the speakers in place and their cables still unextended, but the amplifier removed for operation. "C" shows how the amplifier fits into one-half of the case, under the speakers. It can be slid out or back instantly, and is not screwed down, but the construction of the carrying case is such that when closed it holds the amplifier rigidly in position and prevents any possibility of damage occurring through transportation.

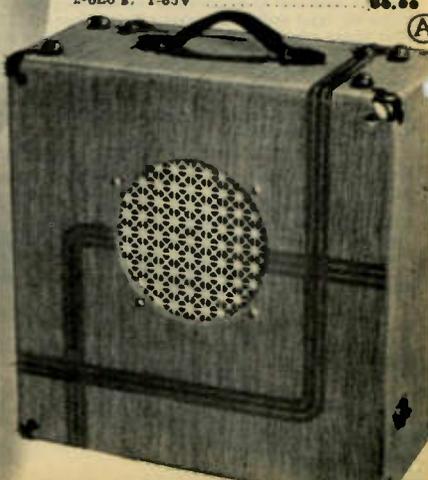
The microphone input jack with which the amplifier is provided allows standard P. A. operation at any time.



### THEATRE QUALITY IN A SUITCASE

The Lafayette Model 562-A Portable Sound-on-Film system provides theatre quality reproduction in a carrying case measuring only 17" x 17" x 7", and weighing, closed and complete, illustration "A", only 55 lbs.

**Model 562-A**—System, complete with 410-A amplifier, shielded P. E. cell cables, two 8" speakers and 50 ft. cable, less tubes. Shpg. wt. 45 lbs. Code AMEGA.  
List Price ..... **\$139.00** ..... **\$69.50**  
**YOUR COST** ..... **\$69.50**  
Kit of Matched Tubes: 2-6J7's, 1-6N7, 2-6L6's, 1-83V ..... **\$6.00**



**NEW!**

# Lafayette P.A. TUNERS

with  
CATHODE  
RAY EYE

**\$28<sup>95</sup>**

## Wide- RANGE T.R.F. MODEL

THE Lafayette Wide-Range T.R.F. Tuner has been designed to meet the demand for a comparatively low-priced wide-band unit capable of providing sensitivity and selectivity characteristics.

Seven tubes are used, all but the tuning indicator being the latest all-metal types. Tubes are used as follows: 3-6E7's as r.f. amplifiers, 1-6H6 as diode detector and a.v.c. tube, 1-6C5 as audio amplifier, 1-5Z4 rectifier and 1-6E5 cathode-ray tuning indicator. The range of the tuner is from 550 to 1600 kc. (187.5 to 545 meters). Power supply is built in; for 110-volt, 50/60-cycle a.c. operation.

Selectivity is rated at 1000 times 97 kc. wide—this is unusual in a tuner of this type, and is indicative of the superlative design. Stations can be easily separated over the full range of the dial. Sensitivity without side-band cutting is in the order of 15 microvolts absolute as compared with the average 200 to 250!

The a.v.c. circuit is comparable to that of similar circuits in superhet tuners, and provides a full "swing" on the 6E5 cathode-ray tuning indicator. A sensitivity control on the front panel enables the operator to cut out the a.v.c. action in order to obtain maximum fidelity with minimum side-band noise. A manual volume control is provided, and is governed from the front panel.

Two output impedances are provided. One is 50,000 ohms, the other 500 ohms. The output level is sufficiently high for use in conjunction with amplifiers having as little as 50 db gain.

**Model 1004-TP**—Lafayette Wide-Range T.R.F. Tuner with panel for standard 19" rack mounting. Less tubes. For 110-volt, 50/60-cycle a.c. Dimensions 8 3/4" x 10" x 19". Shpg. wt. 32 lbs. Code NALNO. List Price \$54.90. Your Cost **\$28.95**

**Model 1005-TP**—Lafayette Wide-Range T.R.F. Tuner chassis only, for cabinet mounting. Less tubes. For 110-volt, 50/60-cycle a.c. Shpg. wt. 29 lbs. Code NERUS. List Price \$49.90. Your Cost **\$25.95**

Kit of tubes for above; 3-6E7's, 1-6H6, 1-6C5, 1-5Z4 and 1-6E5. List Price \$10.10. Your Cost **\$5.92**

**\$48<sup>95</sup>**

## Wide- RANGE SUPERHET

THE Lafayette Wide-Range Superhet Tuner affords extreme selectivity and sensitivity. It incorporates many modern features that make it particularly well suited for all P.A. work.

The tube complement, comprising seven tubes, includes five of the latest all-metal types. Tubes are used as follows: 1-6E7 as a stage of r.f. amplification on all bands; 1-6E7 as first detector; 1-6E7 as i.f. amplifier; 1-6H6 as diode second detector and a.v.c. tube; 1-6C5 as audio amplifier; 1-80 rectifier and 1-6E5 cathode-ray tuning indicator tube. The power supply is built in.

The tuning range covers from 16.4 to 560 meters in three overlapping bands as follows: from 16.4 to 52.2 meters (5.75-18.3 mc.); from 51.8 to 175 meters (1.715-5.8 mc.); from 173 to 560 meters (535-1730 kc.). Thus, American and foreign amateurs, police calls, and the standard American broadcasts can be received. Wide-range reception is made possible by means of a special high-fidelity control that varies the i.f. band width. When the band width is broadened, the higher frequencies are passed. Sensitivity on the 173-560 meter band is rated at 0.5 microvolt absolute; on the 51.8-175 meter band 1.0 microvolt absolute; on the 16.4-52.2 meter band 2.0 microvolts absolute. Selectivity rated 28-kc. broad at 1000 times signal (sharp). Other features include: manual volume control, cathode-ray eye tuning, efficient band change switch, full-vision illuminated airplane dial and rigid steel bracket mounting.

Output impedances 500 and 50,000 ohms. Can be used with any amplifier having a gain of 50 db or more.

**Model 1006-TP**—Lafayette Wide-Range Superhet Tuner with panel for standard 19" rack mounting. Less tubes. For 110-volt, 50/60-cycle a.c. Dimensions: 13 1/2" x 10 1/2" x 10". Shpg. wt. 27 lbs. Code NINAS. List Price \$84.00. Your Cost **\$48.95**

**Model 1007-TP**—Lafayette Wide-Range Superhet Tuner chassis only, less tubes. For cabinet mounting. Shpg. wt. 23 lbs. Code NONBA. List Price \$79.00. Your Cost **\$46.50**

Kit of tubes: 1-6H6, 3-6E7's, 1-6C5, 1-6E5 and 1-80. List Price \$9.09. Your Cost **\$5.32**



**\$13<sup>75</sup>**

Single-Speed  
78 R.P.M. with  
Magnetic Pick-Up

A HIGH-QUALITY portable record player at an unusually low price. Makes use of a single speed 78 r.p.m. electric motor provided with a 10"

turntable. Motor is silent in operation, and its speed remains constant at any setting. The pick-up employed is a wide-range Audak magnetic type, and is correctly balanced so that there is a minimum of record wear. Response of pick-up covers the entire audible range. Volume control is built in, and provided with a graduated dial. Speed regulator available on top of panel, controlled by a knob. The assembly is housed in a sturdy leatherette-covered carrying case having a strong handle at the top. All hardware is heavily plated. Front clasps provided with locks; two keys furnished. Case dimensions: 15 1/2" wide, 13 1/2" deep and 7 1/2" high. Six feet of flexible rubber-covered cable and attachment plug (approved by Underwriters' Laboratories) included. For operation on 110-volt, 50/60-cycle a.c. only. Complete, ready to operate. Shpg. wt. 25 lbs.

**W22049**—List Price \$27.50. Your Cost **\$13.75**

# Lafayette

## ELECTRIC PORTABLES

Two-Speed  
78 & 33 1/3 R.P.M.  
Crystal Pick-Up

THE Lafayette Two-Speed Electric Portable record player makes use of a Green Flyer governor-controlled motor provided with a 12" turntable.

A high-fidelity Piezo-electric crystal pick-up insures excellent frequency response. Pick-up is extremely lightweight and requires no counterbalance when used with 33 1/3 r.p.m. recordings. Especially well suited for playing back instantaneous recordings—acetate, aluminum, etc. 78 to 33 1/3 r.p.m. speed shift lever mounted on panel. A noiseless volume control, operated from a knob on the panel, is built in. The entire assembly is housed in a fabricoid-covered carrying case measuring 17 1/2" wide, 13 1/2" deep and 8" high. Strong carrying handle on top. All hardware heavily plated; rear hinge is full length piano top. Front clasps have locks; two keys furnished. With approved line cord and plug. For 110-volt, 50/60-cycle a.c. Shpg. wt. 25 lbs.

**W22013**—List Price \$45.50. Your Cost **\$22.75**

—Same as above, but with 6-volt d.c. motor. **W21057**—List Price \$55.50. Your Cost **\$27.75**



**\$22<sup>75</sup>**

"Blue Ribbon" Products approved by Wholesale Radio Service Co., Inc.

# 10 watt

# AUBURN HIGH QUALITY

## ULTRA-MODERN CIRCUIT

The Auburn "Master" uses five multi-purpose tubes, two 2A6's, two 2A5's and one 83, in an ultra-modern circuit developing a peak power of 14 watts, and speaker output of 10 watts. Overall gain at 150,000 ohms input is 74 db. Triple-terminal connection strip provides for 200 ohm microphone input; standard jack connection to high impedance input, 500,000 ohms. Plug-in socket for output connections. All connections and controls on front panel. Tone and volume controls provided.

The amplifier supplies microphone current, and speaker field current at 10 watts to 1,000 ohms. Output load impedance is 14,000 ohms.

The heavy-gauge, spot welded steel chassis is finished in rubber black and dimensioned to permit mounting on a rack panel. Dimensions are 15" x 8 1/2" x 8".

**Model W-15861**—Auburn 10 watt amplifier, for 110 volt, 50-60 cycle a.c. operation, less tubes. Code AMRET. Shpg. wt. 19 lbs.

List Price ..... \$25.00

**YOUR COST ..... \$13.75**

Kit of tubes: 2-2A6, 2-2A5, 1-83 ..... \$2.70



# \$13<sup>75</sup>

**S**UITED to every medium-power P. A. purpose not requiring high amplification the Auburn 10 watt amplifier is particularly well adapted to amplified phonograph reproduction, to work with electric guitars and for general-purpose high quality amplification at low cost. Two input channels are provided, one for 200 ohm per button carbon microphone and one for high impedance input. Volume and tone controls are included.

The Auburn 10 watt amplifier will be found perfectly adapted to music distribution systems used in small hotels, tourist camps, C.C.C. camps, schools, etc., and to phonograph reproduction in dance halls, restaurants, and other medium and medium-large size rooms where the high gain needed for modern wide range microphones is not necessary. It is equally well suited to medium size calling and communication systems in factories, offices, and general industrial and merchandising applications, for call systems to noisy kitchens, general experimentation, and low power amateur transmitters using a carbon microphone.

**W-15845**—Matched double-button carbon microphone, 200 ohms per button, shipping weight 5 lbs. List Price ..... \$6.00  
**YOUR COST ..... \$3.23**

**W-22845**—12 ft. of special microphone cable. List Price ..... \$1.20  
**YOUR COST ..... 60c**

**W-15376**—Floor model microphone stand, chromium plated. Shipping weight 11 lbs. List Price ..... \$8.90  
**YOUR COST ..... \$4.45**

**W-22126**—Matched 8" dynamic loud speaker, 1,000 ohm, 10 watt field. Complete with output transformer for 14,000 ohms. Shipping weight 8 lbs. List Price ..... \$7.00  
**YOUR COST ..... \$3.80**

# 30 watt

## AUBURN AMPLIFIER

USES  
**CRYSTAL MIKE**

**T**HIS leader of the Auburn line is intended for average auditoriums, dance halls, athletic fields, churches, and all applications requiring modern tone quality at considerable power output. **USES CRYSTAL MICROPHONE.** Has a peak power output of 35 watts, with 30 watts maximum to loud speaker circuit and gain of 104 db at 150,000 cycles input impedance.

The amplifier supplies 32 watts field excitation to 5,000 ohms, enough for several powerful dynamic speakers. Output impedances for general utility: .35/.6/1.35/2.4/6/8/15/50/250 and 500 ohms. Speaker connections are made through two six-prong sockets on the front of the panel.

Tubes used are four 6B5's, one 6A6, one 6C6 and an 83 rectifier. An ultra-modern circuit provides frequency response flat within 2 db from 50 to 10,000 cycles. Wide range tone control and volume control are available at the front of the panel.

Chassis is heavy-gauge, spot-welded steel finished in rubber black and equipped with slide flanges for easy mounting. Dimensions are 10" x 17" x 10" high, permitting rack-panel mounting if desired.

### SUITABLE FOR MANY USES

The Auburn 30 watt crystal microphone amplifier is recommended for medium size communication and calling systems, music distributing systems, etc., in schools, hotels, tourist camps, summer camps, C.C.C. camps, offices, factories, stores and shipping platforms; for public address systems and group hearing aid systems wherever crystal microphone operation is desirable. It is suited to medium-size athletic fields and to outdoor public meetings. Write for free information upon complete systems incorporating this amplifier. Or see pages 58 and 59 for microphones and microphone stands; pages 62-65 for speakers, baffles and trumpets, and pages 60 and 61 for phonograph equipment. Any high impedance phono pickup can be used. Four 8 watt or six 5 watt speaker fields can be supplied. Any crystal microphone except the sound cell type may be chosen.



# \$24<sup>75</sup>

**Model W-15867**—Auburn 30 watt crystal microphone amplifier, less tubes but complete with output transformer; 10" x 17" x 10" high; for 110 volts, 50-60 cycles a.c.; shipping weight 60 lbs. Code UMLAS. List Price ..... \$49.90  
**YOUR COST ..... \$24.75**

Kit of tubes for same: 4-6B5, 1-6A6, 1-6C6, 1-83 ..... \$6.25  
**W-13363**—Astatic crystal microphone with 6 feet of shielded cable, shipping weight 3 lbs. List Price ..... \$22.50  
**YOUR COST ..... \$13.23**

**W-15328**—Floor stand for above; chromium plated, adjustable height; shipping weight 11 lbs. List Price ..... \$11.50  
**YOUR COST ..... \$5.75**

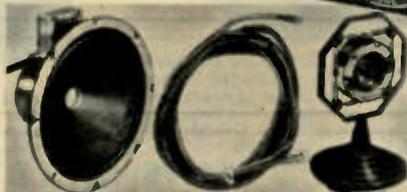
# AMPLIFIERS AT LOW PRICES!

## 3 1/2 WATT AMPLIFIER INCLUDES BUILT-IN MIKE TRANSFORMER

AN IDEAL low power unit for use as a phonograph amplifier, as the basis of call systems, inter-office communicating systems and for a host of other purposes in which a sturdy, low power amplifier of relatively low gain is required. Sound quality is exceptionally fine, fully equal to that afforded by the average double-button carbon microphone. Output is 3 1/2 watts (peak output 5 watts). Gain is 76 db at 150,000 ohms input impedance.

Power regulation in this amplifier is unusually excellent, due to careful filtering. Oversize components are used throughout, and provide ample safety factor under all conditions of normal operation.

A symmetrically wound double-button microphone transformer is included in a well-designed three-tube circuit using 1-57 pentode resistance coupled to a 2A5, with an 83 mercury vapor rectifier. Microphone current supply is built in. The amplifier supplies field excitation to one 2500 ohm speaker winding.



**\$ 10<sup>50</sup>**

### ALL CONNECTIONS IN BACK

All connections are made to the back of the panel. A high impedance jack is provided for use with phonograph pickups, etc., in addition to the 200-ohm per button carbon microphone input. When the high impedance channel is used, the microphone line is automatically opened. Volume control and tone control are readily accessible at the front of the panel.

**W-15666**—Auburn 3 1/2-Watt Amplifier, for 110 volts, 50-60 cycles a.c. Less tubes. 14" long, 7" high, 6 1/2" deep. Shpg. wt. 12 lbs. Code AMSES. List Price ..... \$21.00

**YOUR COST** ..... **\$10.50**

Kit of tubes for above: 1-57, 1-2A5, 1-83 ..... \$1.55

### COMPLETE 3 1/2 WATT SYSTEM

The Auburn 3 1/2 watt system incorporates unusually sturdy, oversize parts, ideally suited for continuous operation in service as a

call system, intercommunicating system, or for store or window ballyhoo equipment. Ideal for electrifying old mechanical phonographs, for low cost announcing systems, etc.

**Model 804-B**—Complete Auburn 3 1/2-watt a.c. system comprising one W15860 Auburn amplifier, one W19128 8" dynamic speaker with 6 ft. of cable and plug, one W13645 Shure Bros. double-button carbon microphone with 12 ft. of W20845 cable, one W13540 desk stand complete with springs, and all tubes. Ready to operate, less speaker baffle. For 110 volts, 50-60 cycles a.c. Shpg. wt. 35 lbs. Code SPOTA. List Price ..... \$43.00

**YOUR COST** ..... **\$21.50**

**W-13645**—Double-button carbon microphone only. Shpg. wt. 4 lbs. List Price ..... \$6.00

**YOUR COST** ..... **\$3.23**

**W-13540**—Desk stand only. Shpg. wt. 5 lbs. List Price ..... \$3.95

**YOUR COST** ..... **\$2.00**

**W-19128**—Dynamic speaker, complete with matching transformer. Shpg. wt. 5 lbs. List Price ..... \$7.00

**YOUR COST** ..... **\$3.80**



AC-DC MODEL

AUBURN now offers amazing values in low-power, low-cost portable systems for demonstrating work, ballyhoo, salesmen, pitchmen, barkers and all who have use for low power, clear-toned sound reinforcing equipment that can be carried anywhere and set up at a moment's notice. Speaker is built-in. Microphone current supply is built in. Plug into any 110 volt line, a.c. or d.c., plug in mike, and speak. Pull out two plugs, and the equipment is ready to be carried to the next location.

Oversize parts are used throughout for unflinching operation under varying conditions of line voltage. Sturdy case and tough leatherette covering especially designed for rough and ready portable work.

## AUBURN Portable AC and AC-DC SYSTEMS

Two systems are available, one for 110 volts, 50-60 cycles a.c. and one 110 volts a.c.-d.c. The former uses the Auburn W15860 amplifier described above. The latter uses a special Auburn a.c.-d.c. amplifier using 1-6C6, 1-43 and 1-25Z5. Microphone battery is built-in. Tone and volume controls are provided, as well as two input circuits, 200 ohms per button for double-button carbon microphone, and high impedance for phonograph pick-up if desired. When the high impedance input is used, the microphone input is automatically open-circuited. Microphones (or phonograph, if used) can be placed at any desired distance from the amplifier. Hand type carbon microphones may be substituted.

**W-15665**—Auburn portable system for 110 volts, 50-60 cycles, a.c., less tubes and microphone. Shpg. wt. 27 lbs. Code ULBAS. List Price ..... \$39.50

**YOUR COST** ..... **\$19.75**

Kit of tubes for above ..... \$1.55

**Model 610-M**—Mike combination consisting of W13645 double-button carbon mike, mounted on W13540 desk stand and equipped with 25 ft. of W20845 mike cable. Shpg. wt. 15 lbs. Code MURAT. List Price ..... \$12.00

**YOUR COST** ..... **\$6.08**

**Model W-15666**—Auburn portable system for 110 volts a.c.-d.c., less tubes and microphone. Shpg. wt. 25 lbs. Code UTARE. List Price ..... \$39.00

**YOUR COST** ..... **\$19.50**

Kit of tubes for above: 1-6C6, 1-43, 1-25Z5 ..... \$1.65

**Model W-15664**—Auburn 3 1/2-watt a.c.-d.c. amplifier. For 110 volts. Less tubes. 14" long, 7" high 6 1/2" deep. Shpg. wt. 12 lbs. Code ATRON. List Price ..... \$20.00

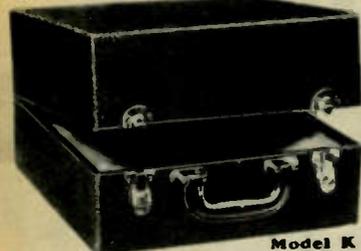
**YOUR COST** ..... **\$10.00**

Kit of tubes for above: 1-6C6, 1-43, 1-25Z5. **YOUR COST** ..... **\$1.65**

# All Purpose CARRYING CASES



**Portable Case for PACKARD Record Changer**



**Model K**

Designed to house the Packard automatic record changer. Strong wood construction, with overall covering of black leatherette. Has sturdy leather-covered carrying handle. Cover hinge of the full length, piano type. Two clasps hold top and base firmly together. All hardware brass plated. Cover compartment has felt liner that clamps at an angle in the case to prevent damage to the records as they are "kicked-off" by the automatic record changer. Two sizes available (for standard Model K, and large Model L record changers).

**W17766**—Overall dimensions: 12 $\frac{3}{4}$ " wide, 12 $\frac{3}{4}$ " deep, 8" high. Inside dimensions: 12 $\frac{1}{8}$ " wide, 12 $\frac{1}{8}$ " deep, 7 $\frac{3}{8}$ " high. Shpg. wt. 11 lbs. (For Model K) List Price... **\$9.50**

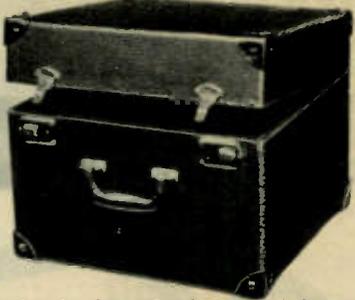
**YOUR COST..... \$4.75**

**Model L Case**

**W17767**—Large case. Overall dimensions: 14 $\frac{1}{2}$ " wide, 15 $\frac{3}{4}$ " deep, 8 $\frac{1}{2}$ " high. Inside dimensions: 14" wide, 15" deep, 7 $\frac{3}{4}$ " high. Shpg. wt. 15 lbs. List Price **\$9.90**

**YOUR COST..... \$4.95**

**CAPEHART Carrying Case**



Designed to house Capehart record changer; can be used with other equipment. Black leatherette covered with brass plated hardware. Front clasps have locks, two keys furnished. Plano type cover hinge. Overall size 15 $\frac{1}{4}$ "x15 $\frac{1}{4}$ "x12 $\frac{1}{4}$ ". Shpg. wt. 14 lbs.

**W17752**—List Price... **\$21.90**

**YOUR COST..... \$10.95**

**Portable Phone Case**

Black leatherette covered. Has nickel-plated hardware. Front clasps have locks. Two keys furnished. Overall size 17" wide, 13" deep, 8" high. Phono motor panel, leatherette covered, has cut-out for Green Flyer motor. Plano hinge on cover. Shpg. wt. 11 lbs.



**W22058**—List Price... **\$11.00**

**YOUR COST..... \$5.50**

**Lafayette De Luxe Portable "Speaker-Mike" Case**

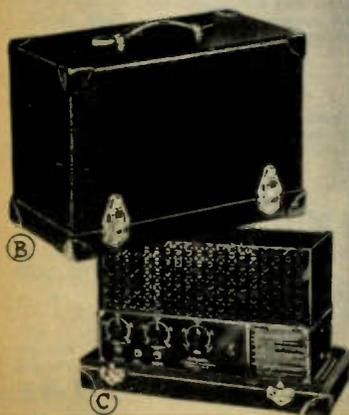
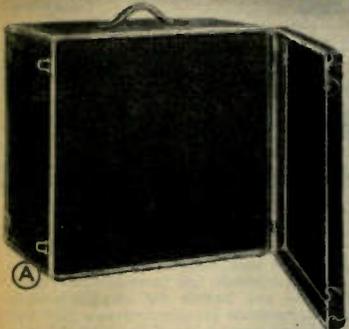


A deluxe split case designed to house, in addition to two standard dynamic speakers, a complete microphone and floor stand assembly and necessary cable. The entire case is covered with black leatherette and provided with a sturdy leather carrying handle on top. Case opens into two equal halves, both provided with 9 $\frac{1}{2}$ " cone openings protected by leatherette "roll-up" flaps, cover and protect the grilles. One half of the case is equipped with two sets of wooden holders for cable; the other half fitted with one set of cable holders, a felt-lined case for a microphone, a floor stand base holder and a holder for the extension stand. All hardware heavily plated. Case is provided with rubber "bumpers" and has leather corner protectors. Overall size 23" high, 20" wide, 11 $\frac{1}{2}$ " deep. Will house speakers up to 1 $\frac{1}{2}$ " diameter. Ideal for p.a. systems. Shpg. wt. 22 lbs.

**W22054**—(Case only)—List Price... **\$25.00**

**YOUR COST..... \$12.50**

## CARRYING CASES FOR AMPLIFIERS & SPEAKERS



**TUNER OR AMPLIFIER CASE**  
The case marked "A" is designed to house all types of equipment, such as mixers, tuner-amplifiers, remote control units, etc. The entire case is covered with black leatherette and provided with a strong carrying handle at the top. Includes a front panel covered with black leatherette and doors at front and back. All hardware is nickel-plated. Overall dimensions are 20" high, 20" wide and 13 $\frac{3}{4}$ " deep. Shpg. wt. 25 lbs.

**W22050**. List Price **\$20.50** **YOUR COST... \$10.25**

**POWER AMPLIFIER CASE**  
The case marked "B" (closed) and "C" (open view) is designed for the carrying of power amplifiers; can be used for many other types of equipment. Sides strongly reinforced. Divided into base and top. Equipment fastens to base as shown at "C". Entirely covered in black leatherette, nickel-plated hardware, reinforced corners. Dimensions: inside—10 $\frac{1}{4}$ " high x 17" wide x 8 $\frac{1}{2}$ " deep; outside—12 $\frac{1}{2}$ " high, 18" wide, 13 $\frac{3}{4}$ " deep. Shpg. wt. 23 lbs. **W22051**. List Price... **\$14.00**

**YOUR COST..... \$6.95**

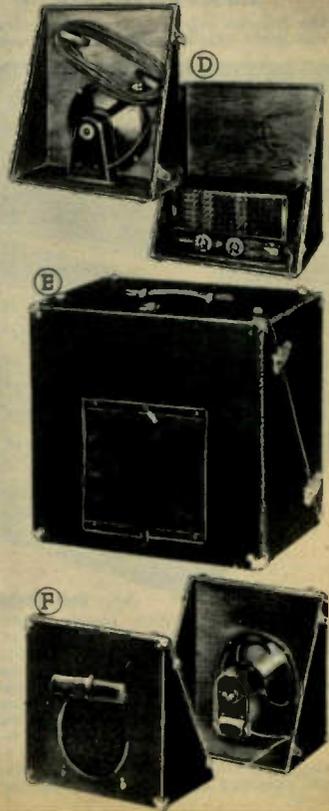
Case illustrated in column to the right is available in two types, "D" and "E". "E" shows "E" closed, and "D" closed with speaker half facing observer.

**SPEAKER-AMPLIFIER CASE**  
Case "D" is designed to house an amplifier and one speaker. Sturdy construction, with metal corner protectors. Nickel-plated hardware, overall covering of black leatherette. Case opens into two equal sections. Speaker section constitutes baffle; has 9 $\frac{1}{2}$ " opening, with weatherproof "roll up" flap. Blocks provided for holding cable. Overall dimensions: 21" high, 20" wide, 13 $\frac{3}{4}$ " deep. Shpg. wt. 23 lbs. **W22052**. List Price **\$21.90**

**YOUR COST..... \$10.95**

**DUAL SPEAKER CASE**  
Case "E" is similar to case "D", but designed to carry two speakers only. Both sections have 9 $\frac{1}{2}$ " speaker openings protected and weatherproof "roll up" flaps. Will accommodate speakers up to 1 $\frac{1}{2}$ " diameter, and serve as baffles. Heavily plated hardware and metal corner pieces, black leatherette covering. Overall dimensions: 21" high, 20" wide, 13 $\frac{3}{4}$ " deep. Shpg. wt. 23 lbs. **W22053**. List Price... **\$21.90**

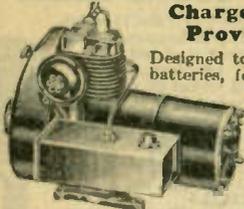
**YOUR COST..... \$10.95**



# GAS-DRIVEN GENERATORS *and* Converters

## RURAL-POWER GAS GENERATORS

**Charges 6 and 12-Volt Batteries Provides Power for Lighting**



Designed to charge radio, automobile and tractor batteries, for lighting on farms, boats, at camp, etc., and for belt-driving tools and appliances. Engine is 4-cycle, single cylinder, "L" head, air-cooled type with suction carburetor. Rated at 1/2 h.p., at 2350 r.p.m. Fly ball governor. Low tension ignition. Generator is high-efficiency, shunt-wound, d.c., type. An ammeter indicates rate of

charge. A push-button self-starter is incorporated in model D, as well as a hand rope starter. Model C uses hand starter. Both units have 1-quart fuel tanks, measure 16" long, 11" wide, 10" high, and are furnished complete with generator cut-outs, battery leads and clips and complete instructions. A built-in smoothing condenser prevents radio interference. Shpg. wt. 70 lbs.

**W17230**—Model D, charges 6 and 12-volt batteries 150-250 watts. With self-starter. Shpg. wt. 70 lbs.

**Your Cost Complete** **\$35.75**

**W17239**—Model C, for 6-volt batteries—150 watts.

**Your Cost Complete** **\$29.95**

**W17232**—For charging 32-volt batteries—250 watts

**W17233**—For 32-volt lighting—250 watts **\$44.96**

### Edison-Base 6-Volt Light Bulbs

**W12255**—15-watt, draws 2.5 amps. **Your Cost**

**W12256**—25-watt, draws 4.2 amps. **Each** **35¢**

## RURAL-POWER WINDCHARGERS

**Controlled Power From the Wind—FREE!**

**For 6-Volt Radio, Car and Lighting Batteries**

Do away with the inconvenience of running radio, car and tractor batteries. This new improved Rural-Power Windcharger charges up to 16 amps., with a new double-sealed, ball bearing generator which can be removed without disturbing any other part. The patented tilt control permits operation in 70-mile winds. Metal sheathing on propellers prevent damage in hail, sleet, snow and sand. Electrical outlets are shielded from ice, rain and sun for positive action.



**Charges Up To 16 Amps.**

**Adjusts Itself For Any Wind Up To 70 M.P.H. Self-Tilting Fully Guarded Against Any Adverse Climate**

### With Instrument Panel

Each Windcharger is supplied with an instrument panel consisting of a cut-out and indicating ammeter, 6-foot tower for flat or gable roof mounting and tail vane. Enjoy year-round dependable service with this self-paying charger. Set up a 6-volt lighting system using this charger for the batteries—power is FREE when using this unit. Shpg. wt. 65 lbs.

**W17224**—Complete **\$19.75**  
**Your Cost** .....



## TUNGAR 5 AMP. CHARGER FOR 110 V. A.C.



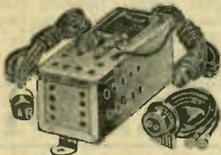
For charging any 6-volt battery at home. Delivers full 5 amperes and tapers off as battery becomes charged, thus preventing damage to cells due to overcharging. Has receptacle for attaching to car, and ammeter so that battery can

be charged without removing from car. With tube and accessories. For 110 v., 60-cycle a.c. Wt. 12 lbs.

**W15699** **\$9.48**  
**Your Cost Complete.**

## MALLORY CHARGER

Can Be Used In Car



With clamp for attachment to dash. Two fuses offer complete protection. Polarized plug prevents discharging or harming battery. Complete with cables, plugs and full instructions. For 110-volt, 50/60-cycle a.c.

**W15698**—Complete **\$6.75**  
**Your Cost** .....

## "CHARGIT" CHARGER



Use It In Car or Home

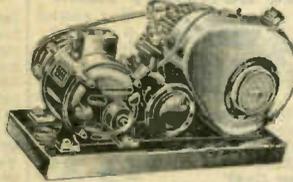
Designed for car or home; with dashboard mount. Charges at 4 amps. External fuse. In steel case. With two 7/16-foot rubber-covered cables. For 110 volt, 50/60-cycles a.c. Shpg. wt. 5 lbs.

**W15196** **\$3.95**  
**Your Cost Complete.**

Converters and gas-driven generators are available for all applications at low wholesale prices. Let us know your needs.

## 300-Watt Gas Driven A.C. Generator

Furnishes "city" electricity! 110 volts, 60-cycle a.c., as well as 6 volts d.c., for charging all 6-volt storage batteries. Engine is of the famous Blue Diamond 4-cycle type with foot-pedal starter; operates 12 hours on a gallon of gas. Has muffler for silent operation. Generator is self-excited; annular grease-sealed bearings need no attention. Weighs only 72 pounds, measures 20x11x11". Ideal for hams, mobile P.A., boats, farms, etc.



**W19899**—300-watt type, belt driven. Wt. 72 lbs. **\$59.95**

**Your Cost Complete** **\$124.75**

**W19894**—600-watt type, hand crank. **\$180.00**

**Your Cost Complete F.O.B. Chicago** .....

**W19895**—1000-watt type, hand crank. **\$180.00**

**Your Cost Complete F.O.B. Chicago** .....

These units are available from 500 to 5000 watts. Free details.

## 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 all-wave interference filters to prevent noise reaching the radio. If filter is not required, write for prices on model desired. Sizes listed are suitable for practically any requirement from small midjet radios up to large public address systems, transmitters, etc.



Stock No.	Output Watts	Input	Your Cost
<b>32 v. d.c. to 110 v. 60 cycle a.c.</b>			
W19806	80	5.4	\$26.41
W19800	110	6.5	28.47
W19801	150	8.5	31.56
W19802	300	15	44.25
W19813	400	18	58.31
W19814	650	27	86.78
<b>220 v. d.c. to 110 v. 60 cycle a.c.</b>			
W19816	150	1.2	32.93
<b>6 v. d.c. to 110 v. 60 cycle a.c.</b>			
W19808	30	13	27.79
W19818	60	24	44.25

Stock No.	Output Watts	Input	Your Cost
<b>110-115 v. d.c. to 110 v. 60 cycle a.c.</b>			
W19807	80	1.3	\$26.41
W19803	110	1.9	28.47
W19804	150	2.4	31.56
W19805	300	4.0	44.25
W19815	600	6.4	58.31
<b>12 v. d.c. to 110 v. 60 cycle a.c.</b>			
W19817	30	6.5	27.44
W19839	80	15	32.25
W19870	120	18	37.39
W19876	160	22	52.84

## Lafayette Rotary

### Converters with Radio 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. All furnished complete with efficient radio noise filter. Sizes other than those listed can be supplied for any application, radio or industrial. Our engineering department will gladly assist you, free.



<b>32 Volts D.C. to 110 Volts A.C.</b>				<b>110 Volts D.C. to 110 Volts A.C.</b>			
Stock No.	Output Watts	Input Amps.	Your Cost	Stock No.	Output Watts	Input Amps.	Your Cost
W17228	110	5.6	\$23.50	W17229	110	1.69	\$23.50
W17208	150	7.8	26.20	W17210	150	2.23	26.20
W17209	300	15.0	36.75	W17211	300	4.0	36.75

## WINDCHARGER WIRE

Specially designed for wind-chargers and farm power plants. Triple cotton-covered copper conductor, thoroughly impregnated.

**W20871**—No. 12 gauge **2¢**  
**Your Cost per Foot**

**W20872**—No. 10 gauge **2 1/2¢**  
**Your Cost per Foot**

**W20873**—No. 8 gauge **4¢**  
**Your Cost per Foot**

## VESTA 2 & 6-VOLT STORAGE BATTERIES

Well-made, long-lived. All feature thick plates leak-proof molded rubber containers. 2-volt type has rubber nut and bolt terminals; 6-volt has radio terminals and bail handle. All are guaranteed.



### 6-VOLT BATTERIES

Stock No.	No. of Plates	Hours	Shpg. Wt.	Your Cost
W21099	13	72	35	\$4.45
W21098	15	84	42	5.45
W21097	17	96	50	6.70

### 2-VOLT BATTERIES

No external resistor necessary. Delivers 300 hours of operation at a 1/2-ampere drain. Shpg. wt. 30 lbs.

**W21096** **\$3.53**  
**Your Cost** .....

## HYDROMETER



Live red rubber bulb and nozzle; beaded float. Shpg. wt. 3 lbs.

**W15694** **\$24¢**  
**Your Cost** .....

## BATTERY CLIPS



**W16060**—1 1/4" long. **3¢**  
10 for 25c. **Each** .....

**W16061**—2" long. **3¢**  
10 for 28c. **Each** .....

**W16062**—2 1/4" long. **5¢**  
10 for 47c. **Each** .....

**W16063**—3 1/4" long. **8¢**  
10 for 70c. **Each** .....

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

# CRYSTAL MICROPHONES AND ACCESSORIES

## PIEZO ASTATIC MICROPHONES



**Model D-2**  
Double diaphragm type crystal unit. Output level -64 db. Response flat within 2 db from 50 to 6000 c.p.s. Extremely compact, only 2 1/4" diameter, 1/2" thick. All chrome plated finish. Stand fitting threaded for 3/8" male pipe. Fur-

nished with adapters for 1/4" and 3/8" pipe thread. Complete with 8 ft. of special cable. Shpg. wt. 2 lbs.  
**W13620—Your Cost \$14.70**  
**Model D-2M**—Similar to above, but hand type. Shpg. wt. 2 lbs.  
**W13621—Your Cost \$16.17**  
**Model D-2MS**—Hand type with convenient "push-to-talk" switch.  
**W13622—Your Cost \$16.46**

**Model D-104**—Single diaphragm type. Output level -66 db. High impedance. With 8-ft. cable. 3" diam. 1" thick; chrome finish. 5/8"-27 threaded fitting.  
**W13633—Your Cost \$13.23**  
**Model D-104H**—Same as above, but hand type.  
**W13575—Your Cost \$14.70**  
**Model D-104HS**—Same as D-104, but with "push-to-talk" switch.  
**W13578—Your Cost \$15.00**  
**Model L-1**—Lapel mike.  
**W13429—Your Cost \$17.64**

## Duo-Diaphragm Type Model K-2



Arranged so that the forces of two opposing diaphragms are applied to one crystal simultaneously. Increases efficiency and fidelity characteristics. Substantially flat from 30 to 6,000 c.p.s., with a rise of approximately 10 db. at 10,000 c.p.s. Output level -64 db. With 8 ft. of cable. 5/8"-27 thread. Shipping weight 2 lbs.

**W13418—Your Cost \$22.05**

## CARDIAPHONE MIKE



A precision instrument for determining heart and lung conditions. Tremendous improvement over old-fashioned stethoscope. The case is 3" in dia. and 1 1/2" thick. Chrome finish. High impedance, no input transformer required. Output level -65 db. With 8 ft. cable, and "push to listen" switch. Shpg. wt. 2 lbs.  
**W13417—Your Cost \$14.70**

## CRYSTAL MIKE CABLE



**Flexible—Single Conductor**  
Flexible stranded tinned copper single conductor; tinned copper braid shield; cotton wrap and lacquered braid, rubber overall. Wt. 10 lbs. per 100 ft.  
**W20842—Per Foot \$3c**  
**W16333—60-Foot Roll \$1.50**  
**W16334—100-Foot Roll \$2.70**

# SHURE Microphones

## NEW "ULTRA" WIDE-RANGE MICROPHONES

Feature true high-fidelity reproduction from 40 to 10,000 cycles; new "Cruciform" crystal mounting for high output level; dual drive high capacity Graphoil Bimorph crystal; curvilinear diaphragm; internal screen-protected units; complete barometric compensation; moisture-sealed crystals. All units have standard 5/8"-27 thread for stand mounting and are furnished with 7 ft. single, rubber cable.



**W13640—Model 700A**—Swivel head for any tilt. 2 3/8" in diameter. Bright chrome plate overall finish. Semi-directional pickup.  
**W13641—Model 701A**—Similar to 700A. In rubber-black enamel with chrome bands and fittings. 3 1/4" high, 2 1/8" wide, 1 3/8" deep.  
**W13642—Model 702A**—Spherical unit with 360° pick-up. Overall diameter only 2 1/4". Finished in rubber-black with circular band of bright chrome. Shpg. wt. ea. 2 lbs.  
**Your Cost, Any Above Models \$14.70**  
**Modernistic Desk Stand, Model 532C**—Three chrome circles on a rich rubber-black finish. Uses automatic friction lock. Base 6" diam. Adjustable from 7" to 11".  
**W13643—Your Cost \$3.82**  
**Floor Stand Model 554B**—Three extension sections; height 25 1/2" to 62 1/2"; base 10 3/8" diam. Finished in black wrinkle enamel; Shpg. wt. 9 lbs.  
**W13644—Your Cost \$5.88**

## 60C CONTACT MIKE



For sound pick-up from vibrating bodies. Reproduces music from violins, guitars, etc. 1 3/4"x1 1/4" high. Chrome plated. Used in detection work. 7-ft. cable.  
**W13388—Your Cost \$13.23**

## Diaphragm Type 70-H

Improved type crystal head with close fitting ring and 4 "quickway" hooks. Response from 30 to 10,000 c.p.s. Output level minus 60 db. With 7 ft. of cable. Shpg. wt. 5 lbs.  
**W13473—Your Cost \$13.23**  
**W13484**—As above, but with 25 ft. of rubber cable. \$14.29  
**W13426**—Same as 70H, but for p.p. input. Double unit, high-impedance. 2-conductor cable.  
**Your Cost \$13.23**  
**W13432**—As above, but with 25 ft. of rubber cable. \$14.28  
**Model 73A Lapel Mike**—2" diameter 5/8" thick. With 25-ft. cable.  
**W13458—Your Cost \$14.70**

## "STETHOPHONE" MIKE



For pick-up of heart and chest sounds. 3 1/4" long. 7-ft. cable and chest strap. Chrome-black finish.  
**W13606—Your Cost \$20.58**  
**Complete.**

## Communications Type Microphone



For hams and police. For voice only. With integral stand and 7 ft. 2-conductor cable. Finished in chrome and black.  
**W13605—Your Cost \$14.70**

## Mike Shock Absorber

Eliminate floor vibration noises from the input with this shock absorber. Standard 5/8"-27 threads, male at one end female at other. 3/8" opening for cable. Para gum rubber cushion. Chromium finish.  
**W13607—Your Cost \$9c**

## CRYSTAL & RIBBON MIKE STANDS

**W13526**—(Left). Ball and socket joint. 9" high, weighted base 6 5/8" diameter, stem 5/8" diameter. Thread 5/8"-27 to 1/4" pipe. Brilliant chrome plate. Shpg. wt. 5 lbs.  
**Your Cost, Stand Only \$2.94**  
**W13528**—(Right). Extends from 37" to 67". 10" diameter base. Standard 3/4" pipe male swivel on 5/8"-27 male thread. Chrome finish. Shpg. wt. 14 lbs.  
**Your Cost \$5.75**  
 Similar to stand on right, but with 7 1/2" diameter base. Adjustable from 42" to 74". Standard 3/4" pipe male swivel on 5/8"-27 male thread. Highly polished chromium finish. Shpg. wt. 10 lbs.  
**W13576—Your Cost \$4.45**  
 As shown at right, but with very heavy 10" diameter base. Adjustable from 46" to 77" in height. Heavy chromium plating. Shpg. wt. 20 lbs.  
**W13577—Your Cost \$7.95**  
**TELESCOPE STAND.** Designed for use where extreme portability is desired. Height can be varied from 32" to 66". Base diameter 7 1/2". Standard 1/4" pipe male swivel on 5/8"-27 thread inished in heavy chrome plate. Shpg. wt. 10 lbs.  
**W13588—Your Cost \$4.95**

## BRUSH B2S SOUND CELLS

Uses two crystal in series. Excellent frequency characteristics. Ideal for P.A. and broadcast. Output level minus 66 db. High impedance. Cast aluminum case 3 1/4"x1 1/2"x1/2". With 15 ft. of cable. Base threaded 5/8"-27. Screens finished in satin chrome plate. Shpg. wt. 2 lbs.  
**W13623—Your Cost \$26.46**  
 As above, with three-prong plug and socket.  
**W13624—Each \$27.93**

## GLOBE TYPE—BR2S

Wide range response. Affords 360° non-directional pick-up. 2 3/4" diameter, finished in dull chrome plate. Output level minus 66 db. With locking type plug and socket connector. Shpg. wt. 2 lbs.  
**W13632—Your Cost \$27.93**

## MIKE STAND SWITCH

Mounts Between Stand and Mike  
 Handy stand mounting "on-off" switch for use with any type mike. Cast aluminum case with rubber-black finish. Standard 5/8"-27 thread. Overall height 2 1/4".  
**W13639—Your Cost \$1.47**

## Three-Wire Shielded Locking Connectors

For Crystal and Velocity Microphone Cases  
 Connector is locked by threaded brass collar. Bakelite insulation. Use in rain, slush and can be stepped on. 1 1/2" diameter, 2 1/4" long. Chrome finished.  
**W13524—Your Cost Per Set \$1.18**  
 As above, but eight prongs.  
**W13498—Your Cost Per Set \$1.47**

## Microphone Stand Reducers & Swivels

Made of solid brass, chrome plated

Stock No.	Top Male	Bot. Fem.
W13347	1/2" pipe	5/8"-27
W13348	3/4" pipe	5/8"-27
W13349	1/2" pipe	1/2"-27
W13350	3/4" pipe	1/2"-27
W13351	5/8"-27	1/2"-27

Stock No.	Top Male	Bot. Fem.
W13343	1/2" pipe	5/8"-27
W13344	3/4" pipe	5/8"-27
W13345	1/2" pipe	1/2"-27
W13346	3/4" pipe	1/2"-27

**Your Cost Each Any Type Above \$45c**

## Side Cable Outlet

Outlet for cable when not run thru stand tubing. 3/8" x 2 1/2" threads. Place between mike and stand. Wedge eliminates strain. Chrome finish. Shpg. wt. 8 oz.  
**W13357—Your Cost \$44c**

# AMPERITE Velocity MICROPHONES

## Models RAL and RAH



New, specially designed mikes, built to Amperite standards, which can be used for speech and music. No peaks. Flat response over audible range. Output—68 db (open line). Triple shielded. With swivel bracket and shock absorber. Gunmetal finish. Shpg. wt. 7 lbs.  
**W13618**—RAL. 200 ohms. 8-ft. cable.  
**W13619**—RAH 2000 ohms. 12 ft. cable.

of cable. **Your Cost Each \$12.94**

## Lapel Velocity Mike

Only 1 1/4 x 1 1/2 x 1". Range 60-7500 c.p.s. Output —68 db. Shpg. wt. 3 lbs.  
**W13568**—200 ohms. 15 ft. cable.  
**W13569**—High imp. 25-ft. cable.

**Your Cost, Either Type \$17.64**

## LGP Input



Cable type transformer. Matches 50 or 200 ohms to high imp. input. Used with cable up to 2000 ft.

**W13608**—Standard. Each \$2.94  
**W13609**—Laboratory. Each \$5.88

## AMPERITE STANDS



Scientifically designed and styled. Features: positive clutch (non-sliding ball bearing); quick-grip thread (requires only 1 1/4 turns to fasten mike); safety cord (stretches and prevents mishaps). All gunmetal finish.

**W13442**—Model DS desk stand. 7 1/2" weighted base; 3" high. 3/8-27 and 1/2" thread. Shpg. wt. 11 lbs. **\$2.94**  
**Your Cost**

**W13437**—Model DS-M. Combined desk and banquet. Height 16 to 24". Shpg. wt. 11 lbs. **\$5.88**  
**Your Cost**

**W13441**—Model FS-13M Floor stand. 42 to 60". 3/8-27 thread. Shpg. wt. 19 lbs. **\$9.40**  
**Your Cost**

**W13439**—Model FS-8M. Similar to model FS-13M but semi-portable type. Shpg. wt. 16 lbs. **\$8.23**  
**Your Cost**

## New! Streamline Velocity Mikes



The latest, most modern, most advanced velocity microphones by the leading manufacturer in the field. The new Amperite velocity mikes are compact, and embody the latest technical developments. Provide studio type reproduction—are unexcelled for quality, fidelity and ruggedness. Features include: cast gunmetal finished cases, acoustically designed to eliminate cavity resonance 8 db higher output than other or older types; triple shielded to prevent hum or feed-back; optional removable cable plug; new nickel aluminum magnets; hand hammered ribbon will withstand even a 40-mile gale; unaffected by temperature, pressure or humidity changes. All guaranteed for 3 years against defects in manufacture.



### REMOVABLE CABLE PLUG ASSEMBLY

Streamline Velocity mikes, models RBHn, RBMn, RB-Bn, RB-BHn, and Dln, can be supplied with a special cable plug assembly (locking type—see illus. at left) at additional \$1.18. Switches illustrated at right can be added to models RSHn, RSBn, RAH-RAL, and SR 80 at additional 59c.

### Model RBHn—High Impedance

Excellent for speech or music. Impedance 2000 ohms. Permissible cable length 125 ft. Output —65 db. Frequency range 40 to 11,000 c.p.s. Complete with shock absorber. "on-off" switch and 25-ft. cable. Shpg. wt. 8 lbs.  
**W13565**—List \$42.00.  
**Your Cost \$24.70**

### Model RBMn—Low Impedance

Impedance 200 ohms. Other impedances at no extra cost. Permissible cable length 2000 ft. If used with high impedance input, use cable type transformer model LGP (W13608). With 25 ft. of cable and "on-off" switch. Shpg. wt. 8 lbs.  
**W13614**—  
**Your Cost \$24.70**

### Model RB-Bn—Beam Type

Low impedance—beam type (directional) for unusual feed-back conditions. Output 3 db lower than RBMn. Can be used with high impedance input by using LGP transformer. Cable up to 2000 ft. With 25-ft. cable and "on-off" switch. Shpg. wt. 8 lbs.  
**W13616**—  
**Your Cost \$24.70**

### Model RB-BHn—Beam Type

Similar to RB-Bn, but high impedance. Range 40-11,000 c.p.s. With 25-ft. of cable and "on-off" switch. Shpg. wt. 8 lbs.  
**W13612**—  
**Your Cost \$24.70**

### Replacement Ribbons

In packages of two ribbons. Two types. **74¢**  
**W13566**—Standard. **Your Cost**  
**W13567**—Supersensitive. **Your Cost \$1.03**

### Model Dln—Dual Impedance

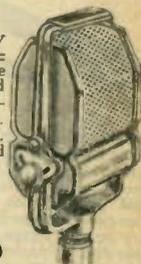
This dual purpose mike can be used with either high or low impedance inputs. With high impedance input, permissible cable length 125 ft.; with low impedance input, up to 2000 ft. Range 40 to 11,000 c.p.s. with 25 ft. cable and "on-off" switch. Shpg. wt. 8 lbs.  
**W13617**—  
**Your Cost \$26.46**

### Models RSHn and RBSn

New, excellent all-around microphones. For speech and music. Output level and frequency response slightly lower than RB-Hn. Type RSHn is high impedance; Type RBSn is 200 ohms impedance. Output level—68 db (open line). Shpg. wt. 8 lbs. With 12 ft. of cable.  
**W13598**—RSHn **Your Cost \$18.82**  
**W13599**—RBSn **Your Cost \$18.82**

### Model SR-80

One of the finest velocity mikes. Responsive within ± 1 db over the entire audible range. Free from background noises. No freq. discrimination with angle from center. Output—88 db (at 200 ohms). With 25-ft. cable. Bronze and steel case. Shpg. wt. 10 lbs.



**W13468**—50 ohms imp.  
**W13475**—200 ohms imp.  
**W13463**—High impedance.  
**Your Cost, \$58.80**  
**Any Type**

## UNIVERSAL "X" Carbon Microphones



Low priced, excellent performing carbon microphones. Standard 200 ohms per button. Dural diaphragm, pure gold contacts.

Chrome plate finish. Range 100 to over 4000 c.p.s. Shpg. wt. 3 lbs.  
**W13412**—Single Button.

**Your Cost \$4.41**

**W13413**—Double Button.  
**Your Cost \$5.88**

### Model "BB" Mike

Extra fine quality 2-button carbon mike for P.A. and amateur phone work. 200 ohms per button. Range 50-5000 c.p.s. Chrome plate finish. 3" diam., 2" thick. Shpg. wt. 3 lbs.  
**W13405**—  
**Your Cost \$14.50**

### Model "W" Watch Mike

Protected single button. 200 ohms. Gold spot diaphragm. 1 1/4" diam. Shpg. wt. 1 lb.

**W13443**—  
**Your Cost \$1.76**

**NOTE:** A complete listing of microphone accessories, including plugs, connectors, cables, jacks, springs, etc., is shown on page 117.



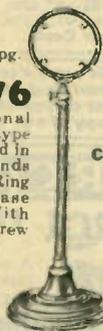
## Lafayette MIKE STANDS

**Type A:** Low priced, yet high quality. Has 5" octagon ring. Provided with 8 springs. Ring is removable. Height 9". Wrinkle black enamel finish. Shpg. wt. 10 lbs.  
**W13540**—  
**Your Cost \$1.18**

**Type B:** De Luxe banquet stand. Height 13". Has 6" removable ring. Comes complete with 8 mike springs. 1/2" diameter pipe extension. Finished in black

wrinkle enamel. Shpg. wt. 15 lbs.  
**W13542**—  
**Your Cost \$1.76**

**Type C:** Exceptional value in a studio type floor stand. Finished in satin silver. Extends from 42" to 72". Ring diameter 6 1/2", base diameter 7 1/2". With 8 springs. Thumb-screw locks extension at desired height. Shpg. wt. 17 lbs.  
**W13428**—  
**Your Cost \$4.25**



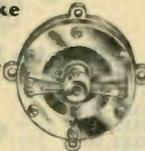
## SHURE 3B Carbon Mike

Excellent quality. Fine response. 2-Button, 200 ohms spring suspension; has "quick-way" hooks. 3" diameter. Rigid cast frames, built-in grilles. Ideal for small calling systems. Shpg. wt. 2 lbs.  
**W13648**—  
**Your Cost \$3.23**



## LAFAYETTE "25" Carbon Mike

2-Button mike. Range 45-7000 c.p.s. Chrome plated frame. Pure gold contacts. 8" diam. 2" thick. Shpg. wt. 4 lbs.  
**W13420**—  
**Your Cost \$4.95**



## Lafayette Carbon Mike Input Control

Contains 2-button mike transformer, battery, volume control and switch. Black metal case 6 1/4 x 5 1/4 x 3 1/4". Terminals for mike input and line output. With 3-ft. shielded lead. Shpg. wt. 6 lbs.  
**W13487**—  
**Your Cost \$4.75**

## RCA Velocity Microphone MI-4010

For P.A., police or amateur use. Range 50 to 10,000 c.p.s. Average operating level—65.8 db (open line). Metal shielding throughout. For grid or transformer input; impedances 250 and 16,000 ohms. Furnished with 30 feet of shielded cable with 3-prong polarized plug. Shpg. wt. 4 lbs.  
**W13597**—  
**Your Cost \$29.85**



Desk stand for above. Banquet type, wood base 7" diameter. Heavy metal stem 1 1/4" diam. Overall height 10 7/8". Dark gray finish. Shpg. wt. 3 lbs.  
**W13590**—  
**Your Cost \$1.25**

## Eastern Transverse Velocity Microphone

For high quality P.A. and amateur use. Directional type. No frequency distortion; no feed-back. Operates directly into grid of tube. Excellent wide range frequency response; 20-14000 c.p.s. With 12 ft. of shielded cable. Model PD-42, 200 ohms.  
**W13603**—  
**Your Cost \$25.20**



# AUDAX WIDE RANGE PHONO PICK-UPS

## Electro-Chromatic Pick-Up

Model HR38



A high quality wide-range unit for use with records up to 12" frequency range covers full requirements of finest commercial records. Arm has ball-bearing compound movement. Light weight. Rubber black finish. Shpg. wt. 5 lbs.  
**W149—200 ohms**  
**W151—500 ohms**  
**W150—7500 ohms**  
**Your Cost, Any Type, \$7.25**

### Model HR34

A low priced model similar to the above. Excellent response. For records up to 12". Shpg. wt. 5 lbs.  
**W165—200 ohms**  
**W168—500 ohms**  
**W167—7500 ohms**  
**Your Cost, Any Type, \$5.62**

## Lafayette

### Wide Range Pick-Up



Made especially for Lafayette by Audax, to specifications that guarantee an efficient unit. Plays records up to 12". Finely balanced; low needle pressure. Frequency response well beyond the requirements of commercial records; covers the entire audible range without appreciable discrimination. Arm finished in attractive instrument black lacquer. Overall length 11 1/2". Shipping weight, each, 4 lbs.  
**W141—200 ohms**  
**W148—500 ohms**  
**W152—7500 ohms**  
**Your Cost, Any Type, \$6.75**

### UPCO "Tone Master" Pick-Up



Reproduces the entire audio range. For records up to 12". Finished in black crystallized lacquer. Length 7 1/2" from needle to base center. Hi-imped. Shpg. wt. 3 lbs.  
**W142—Without Volume Control. Your Cost Each \$3.95**  
**W144—With Volume Control. Your Cost Each \$4.45**

### RCA Pick-up Coils

Stock No.	Part No.	Resis Ohms	Your Cost
W174	2255	3300	\$0.72
W186	2314	20	.65
W169	2769	20	.30
W396	3385	7	.30
W398	10777	200	.30

### Orthophonic Sound Box

Universal type; fits all models except the 2-35. Excellent quality. Ribbed aluminum diaphragm. Bronze finish. No. 6927.  
**W350—\$2.70 Each**



## NEW "MICRODYNE—Relayed Frequency" Wide Range Laboratory Pick-Up

Range: 30-12,000 C.P.S.



At last! Studio microphone fidelity at the reproducing end! In "MICRODYNE", Audax presents the most astounding wide-range development since the advent of the pick-up in 1926. Moving mass has been entirely eliminated—the a'mature is actually stationary. Regardless of heat, humidity or amplitude variations, the "MICRODYNE" consistently delivers facsimile performance. Frequency response covers the entire audible range from 30 to 12,000 c.p.s. with little discrimination. Pressure of only 1 1/2 ounces at the record. Flat type head. Assembly is attractively finished in instrument black with contrasting brass fittings. Shpg. wt. 5 lbs. **Model AT-21.**  
**W171—200 ohms impedance**  
**W179—500 ohms impedance**  
**W198—7500 ohms impedance**  
**Your Cost Each, Any Type, \$17.50**

### High-Range Magneto-Chromatic Pick-Ups Model HR-64

High range pick-up for use with records up to 12". Frequency range well beyond requirements of finest commercial records. Arm has ball bearing compound movement; low center of gravity. Remarkably fine tracking on all frequencies; featherweight on the record. Attractively finished in instrument black. Shpg. wt. 3 lbs.  
**W105—200 ohms** **W111—500 ohms**  
**W106—10,000 ohms**  
**Your Cost, Any Type, \$8.75**

### Model HR62

A low priced model similar to the above. For records up to 12". Has an excellent frequency response. Shpg. wt. 3 lbs.  
**W112—200 ohms**  
**W113—500 ohms**  
**W114—10,000 ohms**  
**Your Cost Each, \$5.62**

### Model PR66

Similar to the model HR62, but made for records up to 18" diameter. Ideal for studio and theatre work. Shpg. wt. 4 lbs.  
**W117—200 ohms**  
**W121—500 ohms**  
**W122—10,000 ohms**  
**Your Cost Each, \$11.80**

## PIEZO CRYSTAL PICK-UPS

The piezo-electric crystal is the most efficient agent known for the changing of mechanical into electrical energy. In using these pick-ups, the quality of reproduction is limited solely by the accessory equipment. Extremely light in weight; ball bearing arm. Plays either 78 or 33 1/2 r.p.m. recordings; no counter-weight necessary. Overall finish in crystalline black. **High impedance.**  
**W161—8" arm** **\$7.06** **W162—12" arm** **\$8.82**  
**Shpg. wt. 3 lbs.** **Shpg. wt. 4 lbs.**  
**Your Cost**

We carry a complete stock of professional and semi-professional recording equipment manufactured by Universal, Dual, etc. For complete descriptions and price information, write for a free copy of our catalog number 64—it will be mailed immediately.

## RCA PHONO-EQUIPMENT

### RCA Pick-Up Heads and Arm

A new line of universal pick-up heads and a single high quality arm for all types. All units are finished in attractive walnut.



### Phono-Matching Input Transformer



Part No. 6238—For models RE18 and 18A. Matches 20 ohm pick-up. Shpg. wt. 2 lbs. **W1632—Your Cost, \$1.44**  
 Part No. 7083—For models T-5, RE-57, RE-16, RE-16A, R86, RA668 and R-73. Matches 20 ohm pick-up to grid. **W1633—Your Cost, \$3.00**  
 Part No. 7632—For model 331. Also contains one reactor, two capacitors and two resistors. Matches 28 ohm pick-up to grid. Shpg. wt. 3 lbs. **W1635—Your Cost, \$3.27**  
 Part No. 5943—For model R-47. Matches 200 ohms pick-up to grid. Shpg. wt. 3 lbs. **W1641—Your Cost, \$3.24**

### Pick-Up Heads

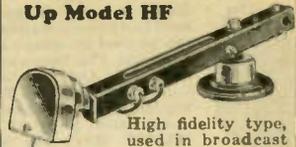
Stock Part Imped. **Your Cost Each**  
**W180 9661 8.5 \$3.30**  
**W181 9665 30.0**  
**W182 9669 700**  
**W184 9670 2800**  
**W185 9749 8500**

### Pick-Up Arm

Universal type, fits all heads listed above. Balanced perfectly. Part No. 9678. **W187—Your Cost, \$3.60**

We can supply any RCA part not shown here at a discount of 40% from list. Other genuine RCA parts on pages: 65, 73, 119.

## Professional Type Pick-Up Model HF



High fidelity type, used in broadcast studios, etc. Frequency response covers the entire audible range with little discrimination. Has a special heavy gauge non-resonant arm. Exceptionally little needle pressure. For use with transcriptions up to 18" diam. Shpg. wt. 6 lbs. **Your Cost Each \$26.80**  
**W475—200 ohms**  
**W476—500 ohms**  
**W477—7500 ohms**

### HF No. 2 Professional

A low priced model similar to the above, but with standard arm structure. For use with records up to 18" diam. Shpg. wt. 6 lbs.  
**W499—200 ohms**  
**W500—500 ohms**  
**W501—7500 ohms**  
**Your Cost, Any Type, \$11.80**

## WEBSTER High-Fidelity Magnetic Pick-Up 100 to 7000 c.p.s.



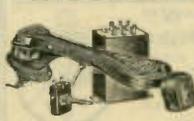
An improved model of the well known type 15B. High fidelity response; flat from 100 to 7000 c.p.s. Low needle scratch. Unit is so designed that no counter-balance is necessary when used on either 33 1/2 or 78 r.p.m. records. Finished in beautiful brown. Volume control built-in. **High impedance coil;** no matching transformer needed. Pull or loud tone needles easy to insert in the flat inertia type head. Shpg. wt. 4 lbs. **W147—Your Cost Each, \$4.95**

## WEBSTER Crystal Pick-Up

Similar in appearance to the above. This model uses a piezo-crystal element—the most efficient known for the conversion of mechanical vibrations to electrical energy. No matching transformer needed. Range 40 to 8000 c.p.s. For either 10" or 12" records. Impedance 180,000 ohms. **Has built-in volume control** operated by a knob from top of arm. Light metal frame finished in attractive brown. Can be used with both 78 and 33 1/2 r.p.m. records; no counter-balance necessary. Shpg. wt. 4 lbs. **W460 Model X-70A2 \$7.06**  
**Your Cost**

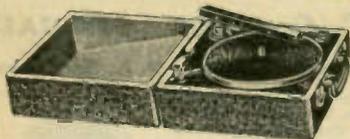
## Phonograph Modernization Kits

No. 11080—Includes 8.5 ohm pick-up, pick-up arm, volume control and input transformer. Shpg. wt. 10 lbs. List \$16.00 **W134—Your Cost, \$9.60**  
 No. 9740—Contains 2800 ohms pick-up, pick-up arm and volume control. No transformer needed. Shpg. wt. 6 lbs List \$12.00 **W139—Your Cost, \$7.20**



# PHONO-MOTORS • Record Changers & ACCESSORIES

## Packard Automatic Record Changers Model K



Uses powerful two-speed a.c. motor. Plays eight 10" records automatically, repeating or rejecting any record at will. Last record repeats itself until switch is turned off. Plays 12" records manually. Dual speed 33 1/4-78 r.p.m. Uses Piezo high-impedance crystal pickup. Entire chassis of copper plated steel; exposed parts finished in bronze. Requires space 17 1/2 x 13 1/4 x 5 1/2". Shpg. wt. 30 lbs.

**W19820**—Changer, less case. List Price \$47.50. **Your Cost** **\$27.81**

As above but with universal motor for 110 volts a.c. or d.c. Shpg. wt. 32 lbs. List Price \$55.00. **Your Cost** **\$32.34**

**W21050**—Your Cost **\$4.75**

**Model L Record Changer**: Similar to model K but plays both 10" and 12" records automatically. Less case. List Price \$55.00. **Your Cost** **\$32.45**

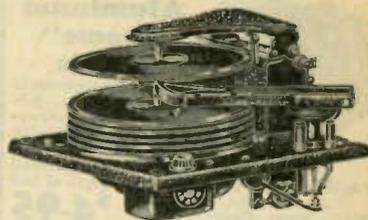
**W17754**—110 volts 60 cycle a.c. **Your Cost** **\$37.70**

**W17764**—6 volts d.c. List Price \$63.00. **Your Cost** **\$37.39**

**W21053**—Universal 110 volts a.c. or d.c. List Price \$62.50. **Your Cost** **\$4.95**

**W17767**—Portable carrying case. List Price \$10.00. **Your Cost** **\$4.95**

## CAPEHART Dual Speed Automatic Record Changer—Model 19-12C-2



Equipped with the new balanced electric pickup. Excellent device for the home, public address systems, halls, etc. Plays ten 10" or 12" records automatically, repeating or rejecting any record at will. The last record on the turntable repeats until the record-changer is restacked, or until the master switch is turned off. Volume control is built-in. Entire mechanism finished in crackle black. Base 14 1/2 x 14 1/2"; height above mounting board 7 1/4"; depth below panel 3 1/8". It is equipped with a 10" turntable finished in gun-metal and covered with black felt. Striking contrasts in appearance is offered by the inclusion of chromium-plated controls and major metal parts wherever this finish is most effective. These units are designed for mounting in cabinets or for rack-panel assembly for which they are admirably suited in appearance as well as physical arrangement and dimensions. Shpg. wt. 30 lbs.

**W17750**—Mechanism complete, less cabinet. List Price \$100.00. **Your Cost** **\$59.50**

Portable carrying case for above. Shpg. wt. 14 lbs. **W17752**—List Price \$21.90. **Your Cost** **\$10.95**

## RCA Home Recording Double Faced Blanks

These records will afford fine recordings. Made of flexible composition, double faced. To be played back with RCA-Victor Home Recording Needles.

**W381**—6" Blanks. Pkg. of 4. **Your Cost** **68c**

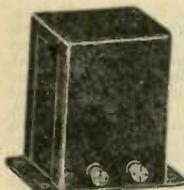
**W382**—10" Blanks. Pkg. of 2. **Your Cost** **68c**

**W383**—12" Blanks. Each. **Your Cost** **62c**

**Recording Needles for Above**

**W129**—Pkg. of 8. **Your Cost** **25c**

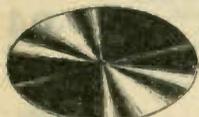
## TRUTEST Scratch Filter



Eliminates needle scratch. Filters the noise frequencies. Has tip jacks on input, binding posts on output. Can be used with any phono-radio combination or phono amplifier. Shpg. wt. 3 lbs.

**W118**—Your Cost **\$1.45**

## Special Acetate Coated Aluminum Record Blanks



Have no gritty surface, so scratch is eliminated. Cut like celluloid

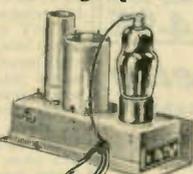
blanks, but give better results than celluloid or aluminum. These are not supplied in pre-grooved types. **W349**—Size 8". **Your Cost** **40c**  
**W351**—Size 10". **Your Cost** **60c**  
**W352**—Size 12". **Your Cost** **75c**  
**W353**—Size 16". **Your Cost** **\$1.35**

## Aluminum Record Blanks Plain or Grooved

These blanks are standard for recording in many fields and are capable of extra wide frequency response with little scratch. These blanks are used commercially in broadcasting stations, recording studios, etc.

Plain		Pre-grooved	
Stock No.	Your Cost	Stock No.	Your Cost
W200	14c	W204	18c
W201	21c	W205	29c
W202	37c	W206	44c
W203	49c	W207	57c
W199	89c		

## Phonograph Oscillator Model RK-24



For phono modernization work. No chassis wiring changes are necessary. One tube is used; a 2A7 with sets using 2.5 volt tubes; a 6A7 with sets using 6.3 volt tubes. Wt. 6 lbs. **W10599**—Less tube. **Your Cost** **\$4.65**

## Stroboscope



Calibrated for 33 1/4 and 78 r.p.m. and for 25-50 and 60 cycles. **W197**—Your Cost **15c**

## Diamond Cutting Needle



For recording on aluminum

Genuine diamond point. Lasts a life time. Used in broadcasting stations and professional recording studios throughout the country. Cut for high-fidelity. **W132**—Your Cost **\$1.75**

## Sapphire Reproducing and Cutting Needles



(A) For recording on celluloid and acetate record blanks. **W196**—Your Cost **\$3.95**

(A) For recording on aluminum. **W192**—Your Cost **\$2.25**

(A) For recording on pre-grooved composition and celluloid. **W194**—Your Cost **\$2.25**

(B) For reproducing standard records. **W195**—Your Cost **\$1.75**

## Phonograph Needles For Recording and Play-back

**Steel Needles for Recording**  
**W344**—For Celluloid. **Your Cost** **75c** for 5"

**W341**—For Aluminum. **Your Cost** **5c**

**Steel Needles for playing back acetate records. Envelope of 12.** **W209**—Your Cost **10c**

**Bamboo Needles for playing back aluminum records. Envelope of 12.** **W343**—Your Cost **8c**

## RCA Phono Needles Play-Back only

Steel. Half Tone, 75 to envelope. Others 100 to envelope.

**W159**—Half Tone. **W153**—Full Tone. **W160**—Extra Loud Tone. **Your Cost** **15c**

**Per Pack** **15c**

**Chromium. Semi-permanent needles. With colored shanks.** **W155**—Orange (33 1/4 r.p.m.). **W357**—Green (78 r.p.m.). **Your Cost, Either Type** **18c**

**Package of Six** **18c**

**Tungstone. Semi-permanent type. For use in automatic phonographs.** **W157**—Extra-loud Tone. **W158**—Full Tone. **Your Cost, Either Type** **18c**

**Record Player Model R-93-2**

Hand-starting a.c. induction motor and hi-impedance magnetic pickup in walnut-finished cabinet 10 1/4 x 8 1/2 x 5". With volume control and phono-radio switch. Plays 10" and 12" records. Used with any a.c. radio set. Wt. 10 lbs. **W104**—Your Cost **\$9.90**

**Needle Cups**

Good for replacing old tarnished cups. Bronze finish. Diameter, 1 1/4 inches.

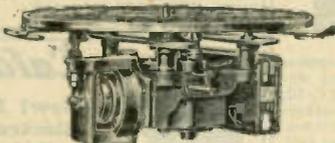
**W130**—Open Type **5c**

**W131**—Closed Type. **8c**

**Each**

## Green Flyer Motors and Turntables

These excellent motors are considered standard in the radio and P.A. field. Incorporate silent laminated spiral-cut Bakelite gears, completely enclosed and run in oil. Oversized, self-lubricated bearings; will not overheat in enclosed cabinet. Has speed dial, 10" turntable.



**For 110 Volts 60 Cycles A.C.**

**W100**—Two speed (78 and 33 1/4 r.p.m.). Shpg. wt. 15 lbs. **Your Cost** **\$9.41**

**W102**—Single speed (78 r.p.m. only). **Your Cost** **\$7.35**

**For 12" Turntable add** **30c**

### Universal 110-Volt a.c.-d.c. Motor

With 12" turntable and change-over switch. For 78 r.p.m. records only. Shpg. wt. 11 lbs. **W126**—Your Cost **\$11.47**

Similar to above for 78 and 33 1/4 r.p.m. recordings. **W125**—Your Cost **\$13.23**

### Sound Truck Six-Volt Motor

For use where power source is limited to 6 volts as in sound truck application. Complete with 12" turntable. For both 78 and 33 1/4 r.p.m. recordings. Shpg. wt. 15 lbs. **W127**—Your Cost **\$14.10**

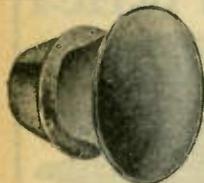
### Special Heavy-Duty Dual Speed Motor

Similar to Model W100 above, but with larger field and rotor (1/2" longer). Wherever a more powerful motor is needed. Shpg. wt. 15 lbs. With 12" turntable. **W120**—For 105/120 volts, 50/60 cycles a.c. **Your Cost** **\$10.44**

**W135**—Automatic Stop for Above Motors. **Your Cost** **60c**

Mail Your Orders to NEW YORK, CHICAGO OR ATLANTA

# Public Address Units and Trumpets



## All Aluminum "Dome" Baffle

A new development in directive baffles. All-aluminum construction. Equipped with suspension ring. For 12" speakers. Overall length 20". Diameter of bell 17", length of bell 10". Shpg. wt. 4 lbs.

- W20040—Your Cost **\$4.95**
- Weatherproof snap-on cover. **55¢**
- W20038—Your Cost **55¢**
- Adapter Rings. For reducing size of opening. State size when ordering. **44¢**
- W20045—Your Cost Each **44¢**

Dome baffle with built-in Rola G12 a.c. speaker. Field supply uses two 25Z5 tubes. Supplied complete with transformer for 250-500 ohm line. Shpg. wt. 34 lbs.

W20058—Complete with tubes. **\$20.95**  
Your Cost

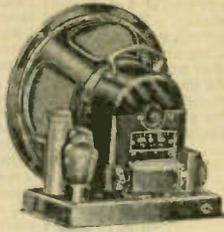
**Mounting Fixture.** For mounting dome baffle on sound trucks, etc. 1" threaded fitting. Can be adjusted to any angle by means of wing nut. Shpg. wt. 4 lbs. **\$5.29**

**W20060—Your Cost**

**Floor Stand.** Has heavily weighted 3-point base (22 lbs.) which offers ample support for the heaviest cone units. Height 5 feet. Finished in crystallized black lacquer. Complete with mounting fixture. Shpg. wt. 30 lbs. **\$11.76**

W20059—Your Cost  
**Mounting Flange.** For use with mounting fixture. 1" male pipe thread nipple. **45¢**  
W20064—Your Cost

## ROLA G-12 High Fidelity Speakers A.C. and D.C.



Two speakers designed to meet the demand for high-fidelity reproduction. Both use a full 12" cone. Flat response from 50 to 8000 c.p.s., with less than 10 db variation. Voice coil 8 ohms. Input transformer, both models, to match 250 and 500 ohm lines. Other inputs at slight additional cost. 12 1/2" wide, 12 1/2" high, 7 3/8" deep.

**Rola G-12 D.C. Models**  
675 ohm field for 110 volts, 1000 ohm for 140 volts, 2500 ohm for 225 volts, 2 ohms for 6 volts. Shpg. wt. 26 lbs.

W19240—675 ohms. W19241—2500 ohms.  
W19243—1000 ohms. W19244—2 ohms.  
W19245—1250 ohms. **\$9.95**  
Your Cost, Any Type

**Rola G-12 A.C. Model**  
Same as above, but with special Lafayette exciter using an 83 tube. For 110 volts, 50-60 cycles a.c. Shpg. wt. 30 lbs. **\$14.95**  
W19301—Your Cost

## Lafayette "Demountable" Directional Baffles

Demountable directional speaker baffles that can be assembled in a few minutes. Weatherproof material, aluminum finish. Bell opening 22x23", length 25". Unassembled 27x25x3". Shpg. wt. 15 lbs.

W20052—7" speaker opening. **\$5.40**  
W20053—10" speaker opening. **\$5.40**  
Your Cost, Either Type  
Similar to above, flared all sides. Bell 24x36", length 37", speaker opening 10". Shpg. wt. 20 lbs. **\$7.25**  
W20039—Your Cost

**"Demountable" Flared Baffles**  
Fastened together with offset spade bolts. Dimensions assembled: 14" deep, 30x18" bell. Unassembled 30x16x2 1/4". Weatherproof material, aluminum finish. Shpg. wt. 10 lbs.

W19837—7" speaker opening. **\$3.95**  
W19838—10" speaker opening. **\$3.95**  
Your Cost, Either Type  
**"Demountable" Speaker Housing**  
For use with either flared or directional baffles. Inside dim. 15 1/4" x 15 1/4" x 11". **\$2.85**  
W20051—Your Cost Each

## Lafayette New! Improved! Electro-Dynamic Driver Unit

Diaphragm is spun from sheets of the finest grade of duralumin. Sound output is exceptionally high in relation to the electrical input—the result of careful placement of the voice coil in the magnetic field and a powerful field flux. Voice coil impedance is 15 ohms at 1000 cycles. 20 watts continuous operating capacity. 25 watts peak. 6 to 8-volt field draws 1.5 amperes at all weather conditions. Male thread (1 1/8"—18) fits all trumpets. Shpg. wt. 13 lbs. **\$14.70**  
W19398—Your Cost

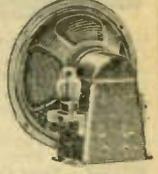
## RACON Super Giant Driver Unit

Ideal for theatre and auditorium where high quality is required. Voice coil 15 ohms at 1000 c.p.s. Field consumption 1.2 amps. at 6 volts. Handles 25 watts, 50 watt peaks. **Less coupling transformer.** Shpg. wt. 20 lbs. **\$38.80**  
W19754—Your Cost

## Lafayette SPECIAL

### 12" A.C. and D.C. P. A. Speakers

Wide-range response. 12" cone. Voice coil impedance 2.7 ohms at 400 cycles. Handles 8 watts continuously. Employs a specially designed field exciter unit using a 25Z5 tube. Furnished with input transformer tapped for 250 and 500-ohm lines. 12 1/2" high, 12" diameter, 7" deep. For 110-120 volts, 50/60 cycles a.c. Shpg. wt. 10 lbs. **W19249—Less tube.**  
Your Cost **\$7.45**



**D.C. Models**  
Similar to above, but less exciter. Field requires 5 to 8 watts. Shpg. wt. 9 lbs. **W19233—2500-ohm. W19358—6-volt.**  
W19234—5000-ohm. **\$5.45**  
Your Cost, Any D.C. Model

### Special Exciter 30 Watts [Max.]

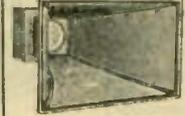
On black lacquered steel chassis with removable screen cover. Uses either an 80 or an 83V rectifier. Has following specs.: when using an 83V it will deliver 30 watts into a 1000 ohm field (minimum resistance), 24 watts into 1500 ohms, 20 watts into 2000 ohms, 17 watts into 2500 ohms and 11 watts into 5000 ohms. When using an 80, will deliver 18 watts into a 675 ohm field, 16 watts into 1000 ohms, 11 watts into 2500 ohms and 8 watts into 5000 ohms. For 110 volts, 60 cycles a.c. Shpg. wt. 8 lbs. 7x3 1/2"x6 1/2". **W19235—Your Cost \$6.95**



## WRIGHT de COSTER

### Model 2050 Speaker and Trumpet

For the average P.A. installation where cost is the prime factor but quality is still essential. Ideal for the reproduction of voice and music at outdoor gatherings, small auditoriums, etc. Trumpet is sturdily constructed of wood and Insulite, and finished in attractive silver. Exterior is weatherproofed. Has screen across bell opening. Built-in 6" dynamic speaker. Voice coil impedance 5.2 ohms. Handles 4 to 5 watts continuously. Field wattage 9 to 10, normal. Overall length 27 1/4", bell opening 22 1/4" x 14". Shpg. wt. 15 lbs. **Supplied less voice coil transformer.**  
W19188—With 1000 ohm field. **\$10.04**  
W19187—With 2500 ohm field.  
W19189—With 6 volt field.  
Your Cost, Any Type



## RACON TRUMPETS

### 3 1/2 Foot Models Non-Resonant

Constructed of the finest hardened impregnated fabric. Female threaded to take Racoon or similar units. Used in theatres, auditoriums, etc. Absolutely non-resonant. Have 22" bell openings.



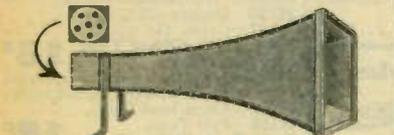
**Standard Indoor Model**  
Has rolled metal beaded edge, metal ferrule and suspension ring. Female thread for 3/8"—18 threaded unit. 3 1/2" ft. long, 22" bell. For indoor use only. Shpg. wt. 10 lbs. **\$12.94**  
W19790—Your Cost

### DeLuxe In-and-Out Door Model

Has re-inforced cast aluminum arm, increasing efficiency and mechanical strength. Other specifications as above. For indoor or temporary outdoor use. Shpg. wt. 17 lbs. **\$16.15**  
W19789—Your Cost



## Lafayette Vari-Acoustic WEATHERPROOF TRUMPET



Permits adjustment of low-frequency response by control of back-pressure. Takes any dynamic speaker up to 12" diameter (Rola G-12, Jensen A-12, etc.). Built throughout of weatherproof material. Finished in bright aluminum. Speaker opening, 13x13x10 3/4"; opening at bell, 34x23"; length, 47". With front cover and mounting brackets. Shpg. wt. 20 lbs. **\$15.95**  
W20065—Your Cost

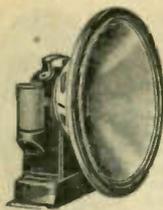
## Lafayette 6-Ft. Trumpet

Threaded for Unit  
**100% Weather-Proof 2 1/2-Ft. Detachable Tone Arm**

This remarkably low-priced exponential trumpet is guaranteed to be 100% weather-proof in all climates. It is shipped partly knocked-down and can be easily assembled. Has a 2 1/2-ft. detachable tone arm with threaded casting for the driver unit. Finished in brilliant aluminum color. Measures 6 ft. long; square bell, 30x30". Shpg. wt. 24 lbs. **W20068—Model KD-6. \$14.70**  
Your Cost

# Jensen Speakers

## NEW! JENSEN 18" SPEAKERS



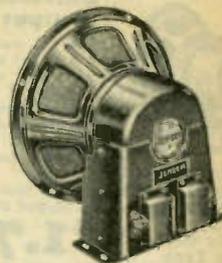
A new line of "super" electro-dynamics that is without doubt the finest and most advanced on the market today. Designed for use where the absolute in performance and power handling capacity is essential. Amplitude distortion reduced to a new low minimum; middle frequency response greatly improved; power handling and efficiency factors increased beyond any point heretofore obtainable. The high frequency models (type HF) have a range extending to 9000 c.p.s. and are for use in p.a. systems, theatres, etc.; the standard fidelity models (type M) have a range to 5500 c.p.s. and are generally used

where good overall performance is required. Power handling capacity, all models, from 25 to 40 watts; voice coil impedance 8 ohms at 400 c.p.s.; field coil wattage 20 minimum, 33 maximum and 26 normal. Overall dimensions: 18 1/4" high, 10 1/2" deep. All with 500 ohm input transformer. A.C. models for 60 cycles, complete with tube.

Stock No.	Model and Type	Field Coil	Shpg. Wt.	Your Cost
W19030	M-18 D.C. (Stand. Fid.)	110 v.d.c.	68 lbs.	\$44.25
W19031	HF-18 D.C. (Hi-Fid.)	110 v.d.c.	68 lbs.	46.30
W19032	M-18 A.C. (Stand. Fid.)	110 v.a.c.	78 lbs.	61.40
W19037	HF-18 A.C. (Hi-Fid.)	110 v.a.c.	78 lbs.	63.45

## JENSEN 12" "HI-FI" P. A. SPEAKERS A12 and B12-X

These speakers are the finest and most popular on the market for all p.a. work and for the finer receivers and centralized radio systems. Model A12 has a range from 30 to 7500 c.p.s. Handle 12 watts continuously; 18 watts peak. Field wattage max. 18, normal 14, min. 10. Voice coil 8 ohms at 400 c.p.s. Efficiency second only to auditorium and 18" models. Cone diam. 12 1/4", 12" wide. Model B12-X is similar to the model A12, but is slightly less efficient, and handles approx. 10 watts continuously. Field wattage 12 max., 8 min. Both models for 110 volts d.c.; special transformers supplied on order.

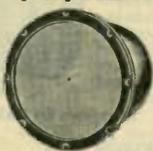


Stock No.	Field Coil Resistance	Input Trans. Impedance	Shpg. wt. 21 lbs.	Your Cost Each
W19304	860 ohms	4400 ohms c.t.	} \$12.64	
W19033	860 ohms	500 ohms		
W19034	2500 ohms	4400 ohms c.t.	} \$9.70	
W19035	2500 ohms	500 ohms		

Stock No.	Field Coil Resistance	Input Trans. Impedance	Shpg. wt. 14 lbs.	Your Cost Each
W19036	2500 ohms	4400 ohms c.t.	} \$9.70	
W19037	2500 ohms	500 ohms		
W19038	1250 ohms	4400 ohms c.t.	} \$9.70	
W19039	1250 ohms	500 ohms		

## NEW! JENSEN "Q" High Frequency Dynamics

The finest electro-dynamic "tweeter" made! Direct radiator type with curvilinear cone, for use with high fidelity systems in theatres, broadcast studios and quality P.A. installations. 1200 to 8000 c.p.s. Voice coil 16 ohms at 3000 c.p.s. Handles 5 watts peak, 10,000 ohm field. Max. field watts 8, minimum 5, normal 6. Must be operated from filter. Shpg. wt. 7 lbs.



Model	Shpg. wt.	Your Cost
Model Q5-A	7 lbs.	\$13.72
Model F9 Filter For Above Speaker		
Single channel; 500-ohm input impedance. By-passes low frequencies to one or two l.f. speakers, and high frequencies to one or two h.f. speakers. In black crystalline finished housing.		\$8.23
W19356—Shpg. wt. 3 lbs. Your Cost		\$8.23

## JENSEN AUDITORIUM SPEAKERS

More than 400% more efficient than the conventional type. Handle 18 watts continuously, 25 watts peak. Voice coil 8 ohms at 400 c.p.s. Field wattage 33 max., 26 normal, 20 min. Cone diam. 13 1/4". Furnished with 500 ohm line transformer.

Model	Shpg. wt.	Your Cost
M-20 D.C. 110 volt d.c. field.	46 lbs.	\$35.33
W19248		
M-10 A.C. 110 v., 60 cycles a.c.		\$52.48
W19246	56 lbs.	

## JENSEN Model R Electro-Dynamics



A line of compact dynamics for radio receivers and similar applications. Ruggedly constructed. 5" models with 12" connector cord; 6" and 8" models have 18" connector cords. Voice coils 5 ohms

at 400 c.p.s. 6 ohms speakers for auto sets, dust-proofed. With output transformer and bucking coils.

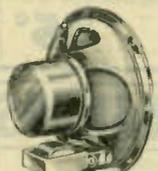
5" Models F5-R				
Stock No.	Field Res. Ohms	Input Trans. For Tube	Input Trans. For Tube	Your Cost Each, Any Type
W19054	3000	(1) 43, 45	(1) 42, 47	\$2.25
W19055	3000	(1) 42, 47	(1) 41	
W19056	3000	(1) 41	(1) 42, 47	
W19057	6 (Auto)	(1) 42, 47	(1) 41	
W19058	6 (Auto)	(1) 41		

6" Models E6-R				
Stock No.	Field Res. Ohms	Input Trans. For Tube	Input Trans. For Tube	Your Cost Each, Any Type
W19059	2500	(1) 43, 45	(1) 42, 47	\$3.09
W19061	2500	(1) 42, 47	(1) 43, 45	
W19063	1000	(1) 43, 45	(1) 42, 47	
W19065	1000	(1) 42, 47	(1) 41	
W19067	6 (Auto)	(1) 41		

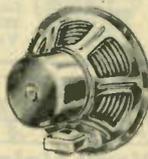
8" Models D8-R				
Stock No.	Field Res. Ohms	Input Trans. For Tube	Input Trans. For Tube	Your Cost Each, Any Type
W19069	2500	(1) 43, 45	(1) 42, 47	\$3.82
W19071	2500	(1) 42, 47	(1) 43, 45	
W19073	1000	(1) 43, 45	(1) 42, 47	
W19075	1000	(1) 42, 47		

**FS-3 FIELD SUPPLY**  
Maximum continuous rating of 10 watts, sufficient for exciting field coils of all Jensen speakers from F5R to and including B12X. Type 25Z5 rectifier tube is furnished. On metal chassis; metal cover for d.c. terminals. For 110 volts, 60 cycle a.c. W19097—Wt. 10 lbs. Your Cost. \$4.41

## NEW! JENSEN PM SPEAKERS



These new Jensen PM speakers eliminate the field coil used in conventional electro-dynamic speakers. The substitute is a heavy, permanently magnetized, newly discovered metal alloy. In performance they equal electro-dynamics of similar size. Their sensitivity and efficiency is startling. Have positive protection against dust and dirt.



6" Models PM6-E				
Stock No.	Input Trans. Impedance	Your Cost	Shpg. wt.	Field Res.
W19079	4400 ohms	\$4.70	4 lbs.	400 c.p.s.
W19080	10,000 ohms c.t.			
W19081	Less transf.			

8" Models PM8-E				
Stock No.	Input Trans. Impedance	Your Cost	Shpg. wt.	Field Res.
W19082	4400 ohms	\$5.00	4 lbs.	400 c.p.s.
W19083	10,000 ohms c.t.			
W19084	Less transf.			

## JENSEN HIGH FIDELITY PM SPEAKERS



Model A12-PM: Replace the conventional electro dynamic models A12 A.C. Frequency range up to 7500 c.p.s. Voice coil impedance 8 ohms at 400 c.p.s. Completely dust-proofed. Will handle great power continuously. Minimum low frequency distortion. Ideal for P.A., centralized radio systems and high quality receivers. Shpg. wt. 21 lbs. Power handling capacity 12-18 watts.

10" Models PM10-C				
Stock No.	Input Trans. Impedance	Your Cost	Shpg. wt.	Field Res.
W19085	500 ohms	\$7.94	7 lbs.	400 c.p.s.
W19086	4400 ohms			
W19087	10,000 ohms c.t.			
W19088	Less transf.	\$7.21		

12" Models PM12-C				
Stock No.	Input Trans. Impedance	Your Cost	Shpg. wt.	Field Res.
W19089	500 ohms	\$9.11	7 lbs.	400 c.p.s.
W19090	4400 ohms			
W19091	10,000 ohms c.t.			
W19092	Less transf.	\$8.38		

## PERI-DYNAMIC REPRODUCERS

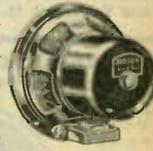
Model 3000: Enclosed type for flush mounting. Consists of an 8" PM speaker mounted in a heavy wood cabinet finished in black lacquer and natural walnut. Panel 12 1/4 x 16 1/2". Directs sound downward at an 18 degree angle. Excellent performance. Ideal for centralized radio systems. Less input transformer (6 ohm voice coil). Shpg. wt. 12 lbs. W19096—Your Cost \$12.20

Peri-Dynamic reproducers can be supplied with various speakers and cabinets for all purposes. Write for complete descriptive circular showing applications.



## JENSEN Model C Electro-Dynamics

A line of high quality dynamics ideally suited for radio receivers, p.a. work, etc. Have heavy field pots and 1 1/2" voice coils. All with 18" connector cords. All furnished with hum bucking coils. Voice coil impedance 8 ohms at 400 c.p.s. Black lacquer finish.



8" Models C8-R				
Stock No.	Field Res. Ohms	Input Trans. For Tube	Input Trans. For Tube	Your Cost Each, Any Type
W19040	2500	(1) 43, 45	(1) 42, 47	\$4.40
W19041	2500	(1) 42, 47	(1) 41	
W19042	1250	(1) 43, 45	(1) 42, 47	
W19043	1250	(1) 42, 47	(1) 41	
W19044	1250	(1) 41		

10" Models C10-R				
Stock No.	Field Res. Ohms	Input Trans. For Tube	Input Trans. For Tube	Your Cost Each, Any Type
W19045	2500	(1) 43, 45	(1) 42, 47	\$4.70
W19046	2500	(1) 42, 47	(1) 43, 45	
W19047	1250	(1) 43, 45	(1) 42, 47	
W19048	1250	(1) 42, 47	(1) 41	
W19049	1250	(1) 41		

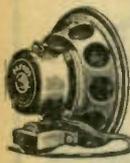
12" Models C12-R				
Stock No.	Field Res. Ohms	Input Trans. For Tube	Input Trans. For Tube	Your Cost Each, Any Type
W19048	2500	(1) 43, 45	(1) 42, 47	\$6.17
W19049	2500	(1) 42, 47	(1) 43, 45	
W19050	2500	(1) 43, 45	(1) 42, 47	
W19051	1250	(1) 42, 47	(1) 41	
W19052	1250	(1) 43, 45	(1) 42, 47	
W19053	1250	(1) 42, 47	(1) 41	
W19054	1250	(1) 41		

To Speed Handling of YOUR Order--Use Our Order Blank



# Quality SPEAKERS for Every Requirement

## 6" Dynamic with Universal Output



Universal output transformer any existing types of output tubes. Speaker frame finished in cadmium plate. Shpg. wt. 6 lbs.

W19166—2500 ohms.  
W19122—6-volt for auto sets.  
W19109—1800 ohms tapped at 300 ohms  
**Your Cost, \$1.79**  
Any Type.

## Field Supply 110 Volts, 60 Cycles A.C.



Will deliver 10 watts into a 2500 ohm field. Uses single 2E25 tube. 8 3/4 x 2 1/2 x 1" metal chassis. With line switch. Shpg. wt. 4 lbs.  
Less tube, **\$2.02**  
W19162—Your Cost.

## Rubber Covered 4-Wire Speaker Cable



Heavy rubber cover. Hemp wrapping over each conductor. Color coded. Shpg. wt. 6 lbs. per 50 ft.  
W16154—100 ft. \$3.75  
**Your Cost, per ft. 5¢**

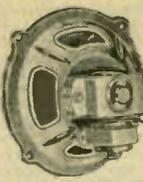
## Special 6" Dynamic



This midget dynamic is exceptionally well constructed and shows a fine frequency response. Has a standard 1800 ohm field coil. Employs ridged pressed paper cone. Shpg. wt. 4 lbs.

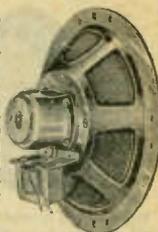
W19131—Less Output Transformer. **95¢**  
Your Cost, Special.  
W19124—With transformer for single 47 or 2A5. **\$1.35**  
Your Cost

## Special 9 1/2" Dynamic



A fine quality speaker that will afford excellent tone quality and frequency response. Supplied with 1000, 1800 or 2500 ohm field coil. Universal output transformer furnished; will match all types of output tubes. Specify field resistance desired when ordering. Shpg. wt. 6 lbs.  
W19120—**\$2.40**  
Your Cost, Special

## 8 1/2" Dynamic Speaker



For use in radio consoles, and smaller medium-sized amplifiers. Has excellent frequency response. Field resistance 2,500 ohms. Furnished with universal output transformer for any power tubes. Shpg. wt. 10 lbs.  
W19292—**\$2.75**  
Your Cost

## 11" Dynamic

Has same specs. as above, but 11" cone. Shpg. wt. 13 lbs. **\$3.40**  
W19290—Your Cost.

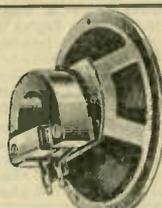
## Special 5" A.C.-D.C. Compact

Especially designed for use in a.c.-d.c. midget receivers. Has standard 3000 ohm field and is furnished with an output transformer to match a single 43 tube. Cadmium plated metal frame. Overall size: 5x4 1/4 x 2 1/4". Shpg. wt. 5 lbs.  
W19293—**\$1.25**  
Your Cost, Each



## 5" Auto Speaker

Same as above, except with 6-volt field and with transformer to match single 41. **\$1.35**  
W19296—Your Cost.



## Balanced Armature Magnetics

Employ powerful magnets and balanced armatures. Sensitive and will handle more power than others of similar size. Maintain adjustments indefinitely. Available in chassis form or in walnut finished cabinets having front and back grilles and 6-ft. flexible cord.



## Speaker Chassis Only

Stock No.	Diam.	Your Cost
W18121	3"	\$0.98
W19230	5"	.85
W19199	6"	1.25
W19119	9"	1.65

## Speakers in Cabinets

Stock No.	Diam.	Your Cost
W19106	5"	\$2.18
W19107	6"	2.38
W19108	9"	3.05

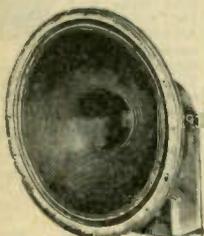


## Special 5" Magnetic Speaker

For replacement in a.c.-d.c. or compact midget receivers. Very sensitive; balanced armature. Pleasant, natural tone. Ruggedly constructed; plated metal frame. Wide frequency range—corrugated type cone. Shpg. wt. 3 lbs.  
W19230—**85¢**  
Your Cost, Special

## Model 1490—12" Para-Curve Speaker

A new wide-range speaker having an unusually fine frequency range. Extends to 8000 c. p. s. Voice coil impedance



2.6 ohms at 400 c.p.s. Field resistance 2500 ohms. Field dissipation 16 watts max., 9 min. New cone construction eliminates sub-harmonics. Comes furnished with a universal output transformer to match all types of tubes, either single or push-pull. Cadmium plated frame. Shpg. wt. 9 lbs.  
W19395—**\$7.30**  
Your Cost

# Wright De Coster SPEAKERS

## New! Universal 12" Speaker Model 990

Universal field coil provides the following field resistances: 2500, 2200, 1800, 1500, 1000, 700, 300 and 1800 tapped at 300 ohms. The universal transformer, inclosed with the field coil, matches output of all existing type tubes, single and push-pull. The Para-Curve diaphragm has an extremely wide frequency range. Voice coil impedance 5.05 ohms at 400 c.p.s. Handles 9 watts. Outside diam. 12", depth 7", Width in back 6".  
W19147—Shipping weight 9 pounds.  
Your Cost **\$4.85**



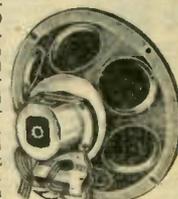
## Model 390—5" Dynamic



Diameter 5". With output transformer to match a single 43. Field resistance 3000 ohms. Voice coil impedance 4.2 ohms at 400 c.p.s. Field dissipation 6 watts max. Cadmium plated frame. Excellent frequency response. Shpg. wt. 2 lbs.  
W19161—Your Cost **\$1.91**

## Model 690—10"

Field resistance 2500 ohms. Furnished with universal transformer to match all single or p.p. tubes. Voice coil 5.05 ohms at 400 c.p.s. With hum bucking coil. Field wattage 12 max., 6 min. Ridged cone maintains adjustment. Cadmium plated frame. Shpg. wt. 6 lbs.  
W19158—Your Cost **\$3.38**



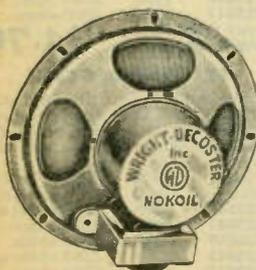
## Model 590—8"

Same specs. as above, but 8" cone dia. Shpg. wt. 5 lbs. **\$2.89**  
W19160—Your Cost

## Model 490—6"

Same specs. as above, but 6" cone dia. Shpg. wt. 4 lbs. **\$2.40**  
W19159—Your Cost

## "Nokoil" Dynamic Reproducer



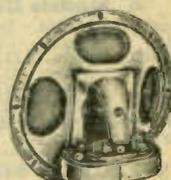
Requires no field current because it has no field coil, yet is equal to and cheaper than electro-dynamics of the same size and quality. Ideally suited for use in all types of call systems and multi-speaker installations. Eliminates the need for additional wiring for field supply as well as additional apparatus. Furnished with universal transformer to match all tubes, single or p.p. (transformers for 250 and 500 ohms available on special order).  
W19140—Model 582, 6" type. Out. diam. of cone bracket 6 1/2", depth 2 1/4". Shpg. wt. 5 lbs. **\$2.86**  
Your Cost

W19141—Model 682, 8" type. Outside diameter of cone bracket 8 1/2", depth 3 1/4". Shpg. wt. 5 lbs. **\$3.34**  
Your Cost

depth 3 1/4". Shpg. wt. 5 lbs.  
Your Cost

## Wright de Coster "Hyflux" Magnetics

Built to exacting requirements to provide the maximum in frequency range, tone quality and performance. An excellent speaker for use with "talk-back" call and inter-communication systems, as well as for hotel and school installations. Ideal for these systems because of low initial cost, requires no field excitation apparatus or energy, or additional wiring for field supply circuit. Technical features include a one-piece seamless cone, metal dust-proof covers over movements, easily accessible adjustment screw for instantaneous screw-driver adjustment, Bakelite coil form and plated metal frame.



High Impedance—10,000 Ohms  
6" and 8" Models  
W19142—6" cone **\$1.96**  
Your Cost  
W19143—8" cone **\$2.20**  
Your Cost

Medium Impedance—7000 Ohms  
W19144—6" cone **\$1.96**  
Your Cost  
W19145—8" cone **\$2.20**  
Your Cost

# SPEAKER REPLACEMENT PARTS



## GENUINE RCA VICTOR RCA Replacement Speaker Cones



As authorized distributors of genuine RCA-Victor replacement parts, we can supply any part required by the serviceman at a discount of 40% from the list price. If an RCA listing is not available to you for the list price, write us giving complete details and we will supply desired information.

Stock No.	Model Numbers	Part No.	Your Cost
W19403	34, 35, 39, 50, 55, 59, 80, 82, 86, RE20, RE59, RAE79	8558	\$1.20
W19404	R6, 7, 8, 9, 10, 11, 12, RE-18, RE19, 21, 14, 15, 17, 42, 48	8601	.90
W19405	R32, 52, RE45, RE75	10801	1.20
W19406	R28, 28P, RE40, R22, 100, 101, 110, 111, 114, 115, 300, 301	8987	.60
W19407	RE, R5X, R5 d.c.	7236	.60
W19776	M-34, M-105	9023	.60
W19410	R37, 38, 37P, 38P, 112, 120, 121, 122, 142B, 241B, 310	9428	.60
W19209	100-A speaker (mag.)	9190	.75
W19210	100-B, 103 speakers	8359	.75

## SPEAKER CONES FOR U.S.-APEX-GLORITONE

Stock No.	Model and Speaker	Diam.	Your Cost
W19629	26 (Speaker 2714)	8 1/2"	\$1.18
W19508	26A (Speaker 2467)	8"	1.18
W19509	26P (Speaker 2925)	8"	1.32
W19510	27 (Speaker 1936)	8 1/2"	1.18
W19642	10B (Speaker 2802)	10"	1.47

## Field Coils For

### Apex—Gloritone U. S. Radio Montgomery Ward



For Chassis 26. Original part. 11500 ohms tapped at 9040. Three different sized coils used. Specify types as shown below.

W19450	2 1/2" dia., 1 1/2" deep, 1 1/2" hole. Your Cost	95¢
W19655	2 1/4" dia., 1" deep, 3/4" hole.	
W19656	2 1/4" dia., 1 1/8" deep, 1 1/8" hole.	
Shpg. wt. 2 lbs.		
Your Cost, Any Type		\$1.45

## Cement Kit

An efficient Radio Repair Cement Kit for Speaker Cones; Voice Coils, R.F. Coils and Chokes. One bottle of all purpose cement, and one bottle of thinner. Complete with brush.



W19499  
Your Cost. **34¢**

## Cone Centering Shims

Flexible celluloid shims that will last. Sixteen shims in a handy leatherette folder. Contains four each of the following sizes: .0125", .010", .0075" and .005". Takes care of all speakers.

W19649  
Your Cost, Kit of 16. **36¢**

## SPEAKER CEMENT

For speaker cones and voice coils. Dries rapidly. To be applied with a fine brush. In sealed metal tubes.

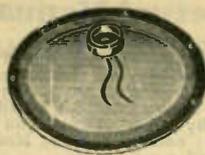
W15239	1 1/4" Tube.	5¢
W15240	3 1/4" Tube.	9¢
Your Cost Each		

## Speaker Grille Cloth

Fine quality figured ornamental cloth for use behind speaker grilles. Neat appearance.



W19609—Your Cost **15¢**  
For 10. .... \$1.25



## EXACT DUPLICATE REPLACEMENT CONES FOR STANDARD SPEAKERS



Stock No.	Set or Speaker	Outer Diam.	Your Cost	Stock No.	Set or Speaker	Outer Diam.	Your Cost
W19501	Atwater Kent 43, 46, 55, 60, 64, 66, 67, F4, Part No. 15142	10 1/2"	\$1.18	W19526	Newcomb Hawley NH9	9"	\$1.50
W19502	Atwater Kent 80, 82, 84, 55B, 627, 87, 90, 92, Early Models 83, 85	8 3/8"	1.03	W19547	Philco 20, 70, 90 small	8"	.53
W19782	Atwater Kent 43, 46, 55, 60, 64, 66, 67, F2, Part No. 14374	10 1/4"	1.18	W19400	Philco 40, 41, 65, 76, 77, 95, 96, 111, 112, 90 large	10 3/4"	.68
W19518	Best	6 3/8"	1.15	W19552	Philco 50, 51 small, 80, 81	5 3/4"	.53
W19577	Bosch 5A, 39A	7"	1.18	W19648	Rola F5	6 3/4"	1.03
W19505	Bosch 48, 58	9 1/2"	1.62	W19586	Rola "J" series, D90, "D110	8"	1.18
W19520	Brunswick S81, S82, 81, 82, 21, 31, S21, S31	12"	1.71	W19588	Rola G12	9 1/2"	1.62
W19521	Clarion 60, 80, 81, 85, 90, 91, 100, 120, 25-60	8 3/4"	1.47	W19589	Rola F4	12"	1.71
W19522	Clarion 51, 53, 55	12 3/8"	1.62	W19597	Stewart-Warner 2-point spider 200A, 950	9"	1.62
W19525	Clarion 220, 260, 25-260	6"	1.18	W19550	Stewart-Warner 3-point spider	9"	1.62
W19527	Clarion 320	6"	1.18	W19592	Stewart-Warner 104A	9"	1.62
W19534	Clarion 480	10"	1.52	W19593	Utah Large Cub, No. 2, 2-point spider	7 3/4"	1.32
W19574	Colonial 33, LL-18	12 1/4"	1.71	W19595	Utah Little Giant No. 1 inside spider (Isodyne)	7 3/4"	1.18
W19579	Colonial 36	9"	1.47	W19571	Victor RE32, 45, 75, 52	9"	.73
W19617	Crosley M45, 40S	9"	1.40	W19574	Zenith 52, 72, 50, LL18	12 1/4"	1.71
W19580	Fada 15, 20, 25, 32	8 1/2"	1.62	<b>MIDGET SPEAKER CONES</b>			
W19583	Fada 11, 12, KU, KW	10 1/2"	1.91	W19783	Best D-5	5"	.95
W19538	Grunow 801, 701, 751, 752, 753, 671, 7152, 1162	10"	1.62	W19784	Jensen T1, T2	5"	.85
W19548	Grunow 650, 651, 661, 750, 670	8 3/8"	1.47	W19785	Jensen T3, 343	5"	.85
W19519	Jensen D7, D8	11 3/4"	1.70	W19786	Magnavox M44, 158	5"	.85
W19645	Jensen D9, Inner Spider	11 3/4"	1.62	W19779	Majestic G-26	5"	.85
W19549	Jensen D15	8 3/8"	1.32	W19755	Operadio (Arvin 10)	5"	.85
W19551	Jensen D16	8"	1.32	W19748	Quam	5"	.85
W19554	Jensen J1, J2	6 3/8"	1.03	W19749	Utah Cub	5"	.85
W19585	Lytic Model D, No. 9	10 1/4"	1.47	<b>AUTO SPEAKER CONES</b>			
W19625	Magnavox 144	7 3/4"	1.32	W19755	Arvin 10	5"	.85
W19526	Magnavox D6, D7, D8, 80, 90, 100	9"	1.50	W19749	Emerson	5"	.85
W19556	Magnavox 130, 136	8 1/2"	1.47	W19776	General Elec. B-40	5"	.60
W19530	Majestic G1	9"	.84	W19761	Majestic 66, 116A	6 1/4"	.85
W19531	Majestic G2	9"	.84	W19761	Majestic 118 (Ford)	6 1/4"	.85
W19532	Majestic G3, G4	10"	1.18	W19748	Motorola 34	5"	.85
W19646	Majestic G6, G7	10"	1.47	W19786	Motorola 44 (Mag.)	5"	.85
W19533	Majestic G5, G8, G9	12"	1.71	W19749	Motorola 44 (Utah)	5"	.85
W19647	Majestic G14	12"	1.18	W19770	Motorola 88	8"	1.47
W19626	Majestic G10B, G10D	8 3/4"	1.18	W19552	Philco 5	5 1/4"	.53
W19587	Majestic G11B	9 1/2"	1.40	W19774	Philco 6, 7, 8, 9, 10, 12, 700, 800	7 3/4"	.53

## Celotex Speaker Baffles

We will supply baffles with any size hole, to your specifications, at no additional cost. When ordering, specify hole size desired. Shipping weight 2 1/2 lbs. per sq. ft.



3/4" Thick		1 1/4" Thick	
Stock No.	Your Cost	Stock No.	Your Cost
W19714	\$0.17	W19793	\$0.27
W19715	.43	W19794	.80
W19716	.64	W19795	1.18
W19717	1.50	W19796	2.75
W19718	2.75	W19797	4.95
		W19799	6.75

## RCA Magnetic Speaker Coils

Part No. 708. Used in RCA 30, Victor Combinations, and 100 speakers. Also W.E. 540 A.W. Size 1 1/2" O.D. 3/8" thick, 3/8" hole. Can be used as a general replacement part. Offered at a special low price.

W19201—Your Cost. **19¢**

**NOTE**  
We can supply speaker cones and field coils for any standard speaker at the very lowest prices. When ordering, give all pertinent information, and if possible, send a sample. Orders promptly and carefully handled.

## Replacement Field Coils

Exact duplicate replacementspeaker Field Coils for standard speakers. We can supply any special or standard field on special order.

Stock No.	Set or Speaker	Ohms	Your Cost
BR219	Brunswick 16	2500	\$1.50
BR215	Brunswick 15, 22, 32, 42	1610	1.50
W19686	Crosley Model 57, 58, 59, 269	10000	2.29
W19462	Grunow 5A	1850	2.35
W19429	Jensen D7, D8	1500	2.50
W19436	Jensen D9, D15	2500	1.47
W19694	Lytic 9"	5000	4.12
W19670	Magnavox D7 (9")	2500	3.80
W19446	Majestic G1	3100	3.15
W19447	Majestic G2	2730	3.15
W19657	Majestic G4, G6	7650	4.70
W19678	Majestic G3	2750	4.41
W19463	Majestic G19F, G19G	710	1.59
W19458	Philco 20, 21 (2768)	3100	1.13
W19456	Philco 65, 76, 77, 86, 87, 95, 96, 111 (2850)	3200	1.70
W19753	RCA R4	1900	.79
W19411	Rola F4	3000	.59
W19464	Rola G12	1000	3.52
W19474	Rola F6, F8, K7, K9	1800	1.40
W19475	Rola F6, F8, K7, K9	2500	1.75
W19696	Silver-Marshall 30	1500	3.95
W19679	Stewart-Warner 950	10000	3.80
W19484	Stewart-Warner R202	10000	2.35
W19484	Temple All Models	2250	2.65
W19466	Utah Little Giant	2500	2.00
W19486	Victor RE32, 45, 75	3000	1.95

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Complete characteristics of all metal tubes. Helps you service new sets properly.

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- W19907—The Superhet Book.
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- W19909—How to Become a Service Man.
- W19911—Radio Wrinkles.
- W19912—Radio Questions and Answers.

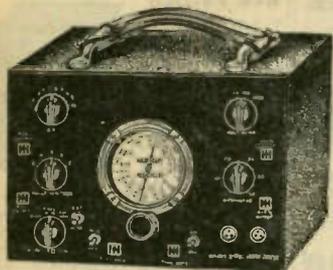


- W19913—Auto Radios and Servicing.
- W19914—Home Recording.
- W19915—How to Build and Operate Short-Wave Receivers.
- W19923—How to Become an Amateur Radio Operator.
- W19934—Point-to-Point Resistance Measurements.
- W19961—P.A. Installation and Servicing.

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### Model 580 Signal Generator



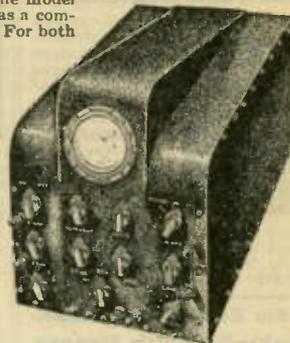
**De Luxe Series**  
Have the following features: a variable r.f. output which may be frequency modulated at a constant band width or amplitude or "wobbled" for use in visual alignment of receivers or alignment by the usual "standard test voltage" method. Range covers from 90 kc. to 60 megacycles. Fundamentals are employed from 90 kc. to 20 megacycles, extension of the range accomplished by utilizing harmonics. Provisions have been incorporated for obtaining a timing voltage directly from the signal generator which is automatically synchronized with the frequency modulated output. Includes a well designed beat frequency audio oscillator calibrated from 50 to 10,000 c.p.s., having a constant output and harmonic content not exceeding 3%. Provisions for external amplitude modulation of the r.f. carrier. Internal modulation accomplished by a self-contained stage that modulates the carrier 30% at 400 cycles. Attenuator is of the ladder type. Two controls are graduated for approximate micro-volt output. Provisions for obtaining either modulated or unmodulated output are incorporated; two pin-jacks also included for providing the 400 cycle audio output of the modulator stage. Full instructions included. Size: 14x10 $\frac{1}{2}$ x6 $\frac{3}{4}$ ". For 110 volts, 60 cycles a.c. Shpg. wt. 40 lbs.

W21509—Your Cost

**\$53.85**

### Model 545 Cathoray Oscilloscope

When used in conjunction with the model 580 signal generator, can be used as a complete visual servicer for receivers. For both alignment and checking purposes. Contains a complete power supply for operation on 110 volts, 60 cycles a.c. Has a horizontal and a vertical amplifier each having an input resistance of 500,000 ohms, input capacitance approx. 20 mmfd., maximum input potential of 800 volts, frequency range from 20 to 90,000 kc., sensitivity approximately 2 peak volts per inch deflection and graduated gain controls for facilitating comparative tests. Includes "saw tooth" oscillator or time base employing a type 885 tube, and having a range from 7 cycles to 20,000 cycles. A "phase splitting" device for aid in study of Lissajou figures. Intensity control for varying brilliancy of pattern on screen. Other controls for focusing and spot centering. Access to vertical and horizontal deflection plates by direct connection or through amplifiers. Means for external or internal synchronization of input potential under study. Provisions for synchronization of linear time base with local power supply frequency. Complete with following tubes: 906, 885, 879, 80 and 2-57's. Mounted in metal case providing effective shielding. Complete operating instructions included. For operation on 110 volts, 60 cycles a.c. Shpg. wt. 45 lbs.

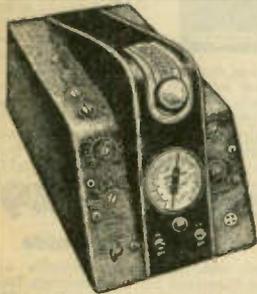


W21510—Your Cost

**\$91.09**

### Supreme Model 555 Diagnoscope

**De Luxe Series**



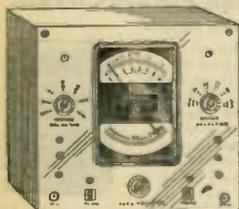
The first and only completely self-contained cathode ray apparatus capable of a wider range of test work than any other instrument of its type now available. The component circuits can be used either individually or in a wide variety of combinations covering almost every present known test incorporating oscillographic, r.f. or a.f. signal generator functions. Completeness—compactness—accuracy—flexibility—beauty are all accurately combined in this one super-cathode ray instrument. The model 555 Diagnoscope is made up of the model 580 DeLux Signal Generator and the model 545 Cathoray Oscilloscope in one modern type case. The signal generator has a range of from 90 kc. to 60 megacycles and incorporates a beat frequency audio oscillator having a range continuously

variable from 50 to 10,000 c.p.s., with maximum of 3% harmonic content, and a "wobbler." The oscilloscope, incorporating the RCA type 906 cathode ray tube, is fully described above. Controls include: attenuators for the signal generator calibrated in approximate micro-volts, vertical and horizontal sweep controls, brilliancy and spot centering controls, etc. All control knobs symmetrically placed on opposite sides of the cathode ray tube, and are plainly marked. Instrument operates on 110 volts, 60 cycles a.c. All tubes, accessories, complete instructions (cathode ray book) included. In modernistic metal case measuring 16x14x28". Shpg. wt. 85 lbs.

W21511—Your Cost

**\$144.99**

### Model 590 Multimeter



A compact, inexpensive instrument with all measuring facilities. Uses the new Quadrimeter with its bi-indicating needle and dual viewing windows. Following ranges available. 0/5/25/125/250/500/1250/2500 volts

a.c. and d.c.; 0/250 microamps. and 0/5/25/125/250/500/1250 ma. d.c.; 0/.0125/.025/.05/.125/.25/.5/1.25/2.5/5/12.5/25/50 mfd.; -20 to -6/-10 to +6/0 to +16/+10 to +26/+20 to +36/+30 to +46 db.; 0/2000/20,000/200,000/2,000,000/20,000,000 ohms. Meter has 200 microampere movement (5000 ohms per volt). Two multi-point switches and two pin jacks. In golden oak case 11x13 $\frac{1}{2}$ x6", with cover. Scale length 4"—easy readings. For operation on 110 volts, 60 cycles a.c. Shpg. wt. 25 lbs.

W21512—Your Cost

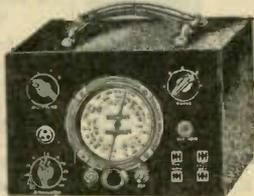
**\$46.01**

### Model 570 Standard Signal Generator

Low priced, high quality. Has the following features: full coverage from 90 kc. to 60 megacycles in 7 bands. Five bands, from 90 kc. to 20 megacycles on fundamentals; two bands from 20 to 60 megacycles on harmonics. Employs stable modified electron-coupled oscillator. Modulator stage modulates the carrier 30% at 400 cycles. Carrier may be externally modulated. Ladder type attenuator. Jack for external "wobbler." Either modulated or unmodulated r.f. output. External 400 cycle audio note. In well shielded metal portable case 10 $\frac{1}{2}$ x8 $\frac{1}{2}$ x5". For 110 volts, 60 cycles a.c. Complete with tube and instructions. Shpg. wt. 20 lbs.

W21513—Your Cost

**\$31.31**

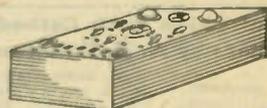


### Model 520 Universal A.C. Bridge

A low priced precision instrument for servicemen and dealers. Accurately checks resistors, capacitors and inductors. The instrument has three resistance ranges, measuring resistors from 0.5 to 2,500,000 ohms; three capacitor ranges from 0.00001 to 70 mfd.; three inductance ranges from 50 microhenrys to 20 henrys, using the Wien bridge circuit. A magic eye (6E5) tube is used as a null (balance) indicator, and a sensitive neon lamp is used for leakage indications. Built-in power supply provides d.c. potentials in five steps from 100 volts d.c. to 500 volts d.c. Capacitors may be tested for capacity, power factor and leakage, shorts, opens and intermittent opens. All controls on panel. In golden oak case with removable cover. With instructions. For 110 volts, 60 cycles a.c. Shpg. wt. 30 lbs.

W21514—Your Cost

**\$36.21**



### Model 575 Decade Box

A low cost precision instrument for determining values of unknown resistors and capacitors. Eliminates guess work and saves time. The tester has separate terminals for resistance and capacitance, thus allowing the use of both decades at once when desired. Resistance ranges are from 1 ohm to 1 megohm; capacity ranges from .0001 mfd. to 10 mfd. Steps are one part in one hundred for the range being used. All controls on metal panel. Complete with all necessary accessories and instructions. Housed in hardwood case with detachable cover.

Size: 13 $\frac{1}{4}$ x12 $\frac{1}{2}$ x6 $\frac{1}{4}$ ". Shpg. wt. 9 lbs.

W21515—Your Cost

**\$28.37**

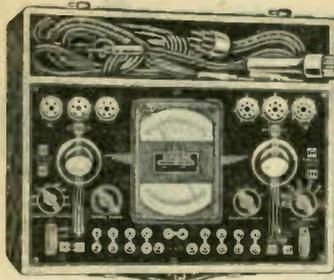
### TIME PAYMENT PLAN!

Good news for servicemen and dealers! You can now purchase Supreme Instruments on an easy time payment plan with 10 months to pay! April 1st witnessed the end of the F.H.A. loans for radio testing equipment, but this new S.I.C. Finance Plan features and makes available to every serviceman the lowest down payment and the lowest terms ever offered, independently, by any manufacturer. No complicated procedure involved—you just fill out your application, send it in with the stipulated deposit, and the instrument is shipped to you. Write to us for complete detailed information NOW.

# TEST EQUIPMENT

## Model 550 Radio Tester

### De Luxe Series



The finest modern radio testing instrument on the market today. Easy to operate—fast—accurate and with a multiplicity of ranges, the model 550 will pay for itself again and again in a short time. Supreme Quadrimeter with its bi-indicating needle and individual upper and lower viewing windows which are indirectly lighted by pilot bulbs. By using the multi-contact switches, the following 29 ranges are provided: 0/7/35/140/350/700/1400 a.c. volts; 0/7/35/140/350/700/1400 d.c. volts;

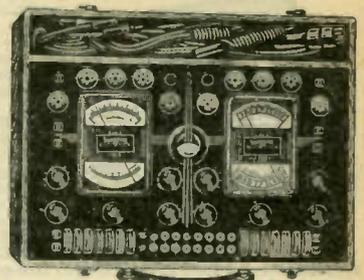
0/7/35/140/350/700/1400 d. c. milliamperes; 0/14 amperes (external only); 0/2000 20,000/200,000/2,000,000/20,000,000 ohms; 0 .07/.35/1.4/3.5/7.0/14 mfd.; -10 to +6/0 to +16/+10 to +26/+20 to +36/+30 to +46 db. Also contains electrolytic capacitor leakage check, self contained power supply. Ohms scale has zero adjustment. Provisions are made for blocking d.c. potentials from metering circuits for output measurements; six output ranges available, and complete free reference system of analysis through one cable. Tester is housed in a handsome golden oak case with removable cover and supplied complete with all accessories, instruction manual and adapters. Size: 18 $\frac{3}{4}$ "x14 $\frac{1}{4}$ "x7 $\frac{1}{2}$ ".

Shpg. wt. 40 lbs. For 110 volts, 60 cycles a.c. WZ1504—Your Cost

**\$54.83**

## Model 585 Diagonometer

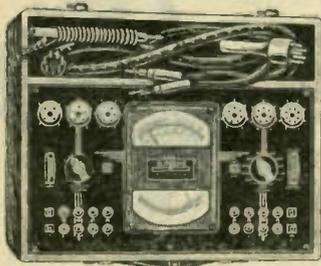
### De Luxe Series



The most complete service unit of its type available. Performs 38 separate test functions, using the exclusive Supreme free reference system of analysis. Quadrimeters, with bi-indicating needles, are used for radio and tube test indications. Radio tests include the following ranges: d.c. volts from 0/7/35/140/350/700/1400; a.c. volts from 0/7/35/140/350/700/1400; d.c. milliamperes from 0/7/35/140/350/700/1400 and 0/14 amperes; capacity measurements from 0 .07/.35/1.4/3.5/7.0/14.0 mfd.; resistance from low range of 0/200, and 0/2000/20,000/200,000/2,000,000 ohms db. ranges from -10 to +6/0 to +16/+10 to +26/+20 to +36/+30 to +46 db. The tube tester, with English reading scale in colors, tests all tubes, including the all-metal octal base types, metal-glass types and all-glass types. Multigang, multi-point switches are used to select all ranges for the radio tests. Power supply for tube tests and capacity leakage tests operates from 110 volts, 60 cycles a.c. only. Complete panel assembly and meters finished in antique bronze, and contained in an attractive hardwood case with detachable cover. Dimensions: 22 $\frac{3}{4}$ "x18x7". All necessary test prods, adapters and complete operating instructions included. Shpg. wt. 42 lbs.

WZ1503—Your Cost **\$95.01**

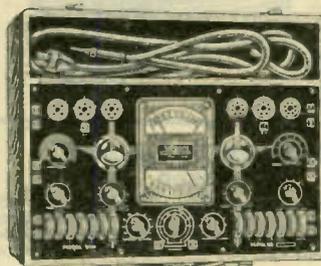
## Model 540 Radio Tester (De Luxe Series)



A great value in the low price analyzer field. For the average serviceman who cannot afford the more complete and expensive analyzers, the model 540 tester will be found most suitable. The sensational new Supreme Quadrimeter with its bi-indicating needle and dual viewing windows is incorporated in this tester, and prevents crowding of a number of scales in one viewing window as heretofore. The tester permits all point-to-point tests in addition to all socket voltage and current analysis work. A 12-point switch is used in conjunction with a d.p.a.t. toggle switch to permit the selection of the following ranges: 0/7/35/140/350/700/1400 a.c. volts; 0/7/35/140/350/700/1400 d.c. volts; 0/7/35/140 d.c. milliamperes; 0/2000/20,000/200,000 ohms. Large figures on all scales. Lowest ohmmeter reading is 1 ohm, with 35 ohm reading at center scale. The instrument panel is especially finished in antique bronze; meter, panel and component parts are housed in an attractive oak case. With all accessories, instruction manual and analysis chart. For 110 volts, 60 cycles a.c. 16 $\frac{3}{4}$ "x11 $\frac{1}{4}$ "x5". Shpg. wt. 18 lbs. WZ1505—Your Cost

**\$36.21**

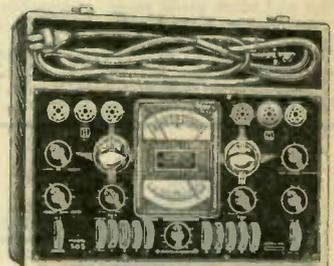
## Model 500 Automatic (De Luxe Series)



Designed for the service engineer who desires multi-meter functions in addition to a modern tube testing instrument. The model 500 is built around the ultra-modern Quadrimeter with its bi-indicating needle and dual viewing windows which are indirectly illuminated. Tests all tubes for quality on English reading scale, and under correct rated loads. Only 6 sockets for all tests, including octal tubes with filaments terminating at any two positions, by means of an exclusive filament return selector switch. Simple, accurate line voltage adjustment. Separate tests of all elements of multi-element tubes. Full sized neon lamp for hot leakage tests. Tests cathode ray indicating tubes. Provides following ranges: 0/7/140/700/1400 volts a.c.; 0/7/140/700/1400 ma. d.c.; 0/2000/20,000/200,000 ohms; 0/07/.35/1.4/3.5/7.0/14 mfd. -10 to +6/0 to +16/+10 to +26db. Electrolytic capacity leakage, electrostatic capacity leakage. In golden oak case with slip-hinged cover. With all accessories. 20 $\frac{1}{4}$ "x15x6 $\frac{1}{4}$ ". For 110 volts, 60 cycles a.c. Shpg. wt. 33 lbs. WZ1506—Your Cost

**\$65.61**

## Model 505 Tube Tester (De Luxe Series)



An ideal instrument for radio dealers and servicemen who want one instrument for both counter sales and service calls, and who do not require the additional multi-meter functions of the model 500 tester. This tester was designed primarily to reduce probabilities of obsolescence to a minimum, to provide utmost flexibility, to test all tubes without adapters, and to test all tubes at R.M.A. rated loads. The radically new Quadrimeter, with its bi-indicating needle and indirectly illuminated dual viewing windows is used, the top scale being divided into "Good"—"?"—and "Bad" sectors for the quality tests of all tubes; the bottom scale is divided into 100 divisions to indicate percentage of full-scale deflection for closer comparison of similar type tubes. Complete adjustment for power line voltage. Full sized neon tube for leakage tests. One 8-pin socket is used to test all octal tubes, regardless of filament connections. Fully protected meter and circuits. In beautiful hardwood carrying case with detachable lid. All accessories. For 110 volts, 60 cycles a.c. 19x14 $\frac{1}{4}$ "x6 $\frac{3}{4}$ ". Shpg. wt. 30 lbs. WZ1507—Your Cost

**\$46.99**

## Model 400 Standard Tube Checker

Incorporates new and improved tube test circuit for all old and new type tubes. Employs 5" fan type meter having a sensitivity of 500 microamperes (2000 ohms per volt.) Also provides the following test ranges: d.c. volts 0/7/35/140/350/700/1400; d.c. milliamps. 0/7/35/140/350/700/1400; ohms 0/4000/40,000/400,000 with self-contained battery, 0/4,000,000 ohms with external 45-volt battery. Oak case. For 110 volts, 60 cycles a.c. Shipping weight 20 lbs. WZ1535—Your Cost

**\$38.17**

Models 400, 450 and 490, are similar to the 1936 model Supreme instruments, and employ fan type meters. Write for complete illustrated circular giving details.

## Model 490 Multimeter

Exceptionally low priced, yet high quality. Ideal for servicemen and shopmen. Provides the following test ranges: 0/7/35/140/350/700/1400 volts a.c. and d.c.; 0/7/35/140/350/700/1400 d.c. milliamps.; 0/1000/40,000/400,000 ohms with built-in battery. Comes complete with all necessary accessories. In compact case with carrying handle. 5" fan type meter Shpg. wt. 10 lbs. WZ1533—Your Cost

**\$22.49**

## Model 515 Test Bench

Radio dealers, servicemen and shopmen can now obtain the new 1937 Supreme test instruments in professional test-bench style. That is, the instruments are housed on a test panel with all controls and dials on the front. Thus, laboratory type equipment can be set up to provide maximum flexibility for all radio tests. Size of test bench depends on the number of instruments it includes. Write now for full particulars, including detailed descriptions, prices, etc.

## Model 450 Standard Radio Tester

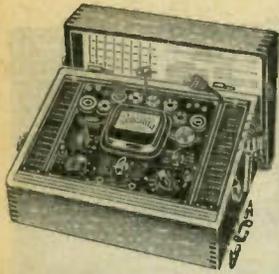
Low priced, high quality radio set tester employing the 5" fan type meter having a sensitivity of 500 microamperes (2000 ohms per volt.) Provides the following test ranges: d.c. volts 0/7/35/140/350/700/1400; a.c. volts 0/7/35/140/350/700/1400; d.c. milliamps. 0/7/35/140/350/700/1400; resistance 0/4000/40,000/400,000 ohms with internal battery, 0/4,000,000 ohms with external 45-volt battery. Complete with all accessories. In oak case. Shpg. wt. 16 lbs. WZ1532—Your Cost

**\$34.15**

# TRIPLETT

# "MASTER" SERVICE EQUIPMENT

## Model 1503 Multipurpose Tube Tester



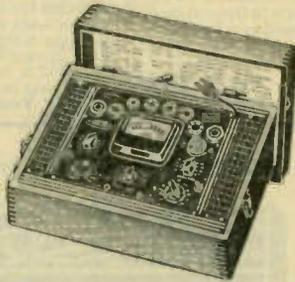
The equivalent of nine separate units. Tests tubes under conditions approximating their use in a radio set. Checks any type glass, metal-glass or metal tube for worth—Neon short test—Separate diode test—Metered paper condenser test (for shorts and opens)—Electrolytic condenser leakage test—D.C. Voltmeter and Milli-ammeter—Ohmmeter—A.C. Voltmeter—Decibel Meter. 10, 50, 250, 500, 1000 d.c. volts, 1000 ohms per volt; 10, 50, 250 m illiamperes; 1,000, 10,000, 100,000, 1,000,000, 10,000,000 ohms; 10, 50, 250, 500, 1000 a.c. volts at 400 ohms per volt. Down 10 and up 15 decihels. Has shadowgraph line voltage indicator. Furnished in attractive quartered oak case with sloping silver and black metal panels. Counter or portable use. Case measures 15 1/4 x 11 1/4 x 7 1/2". Shpg. wt. 26 lbs.

**W21518**—Complete, ready to operate. **\$45.74**  
**Your Cost:** **\$55.54**  
 \$12.08 extra  
 6.86 extra

**W21520**—Model 1504 as above, with free-point tester, sockets and Jacks.  
**Your Cost:**  
 110-volt, 25 cycle model  
 220 volt, 60 cycle model

## Model 1502 "Standard" Tube Tester

Quickly and accurately checks all metal, metal-glass and glass tubes by the approved power output method, the nearest approach to actual receiving set operations. The tester will reject any tube that will not perform in a receiving set. Applies proper d.c. voltages to tube elements. Includes test for rectifier tubes and separate diode test. Supplies a.c. signal to control grid and indicates amplification on the a.c. voltmeter. Neon short test detects even the slightest leakages. Has shadow-graph line voltage indicator. Furnished in sturdy quartered oak case with sloping silver and black metal panel. Adaptable for portable or counter use. Case measures 15 1/4 x 11 1/4 x 7 1/2". Shipping weight, 26 pounds.



**W21519**—Complete, ready to use. **\$35.94**  
**Your Cost:** **\$12.08 extra**  
 110-volt, 25 cycle model  
 220-volt, 60 cycle model

## AUDIO OSCILLATOR Model 1260

Here is a portable audio frequency oscillator that will simplify the work of every serviceman. Incorporating the latest engineering developments, the Triplett Model 1260 brings precision laboratory quality into the service field. It furnishes an audible frequency to test audio amplifiers, speakers, P.A. systems, etc., with great accuracy. Its signal is sufficiently strong to be used successfully in checking weak amplifiers. Attenuation, for the measurement of gain percentage, is extremely accurate. Impedance matching is variable, permitting matching with low, medium, or high impedance inputs of amplifiers or P.A. systems. The instrument has a wide frequency range—100, 250, 500, 1,000, 2,000, 3,000, 4,000, 5,000, 7,500 and 10,000 cycles. Its circuit is of the "feed-back" type which generates a pure sine wave note without distortion or harmonics.



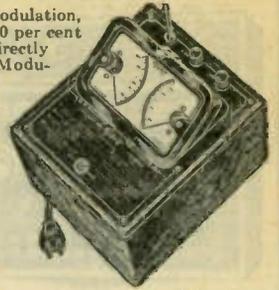
Ideal for P. A. Work

Operates from the 110 volt a.c. lighting line. A type 84 tube is used as a rectifier. The audio frequency oscillator is furnished in a convenient "Master" unit case made of black wrinkle finished metal with attractive silver and black panel. Case size, 7 1/4 x 6 1/4 x 4 1/8" high. All necessary test leads and tubes furnished with instrument. Shpg. wt. 15 lbs.

**W21517**—Model 1260 Audio Oscillator, ready to use. **\$27.76**  
**Your Cost:**

## Modulation Monitor Model 1295

Percentage modulation, from 40 to 120 per cent is indicated directly on the dial. Modulation scale permits peak readings.

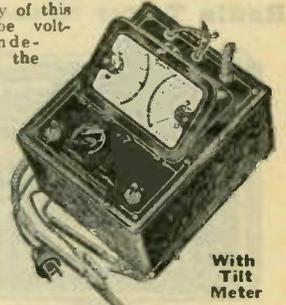


Visual information is provided on another scale for carrier reference level for the modulation test and also to check carrier shift during modulation of the transmitter. Factory calibrated, no further calibrations needed. Has a Triplett twin instrument, tilting type, with separate movements. Durable metal, black wrinkle finish. Silver and black panel. Case is 7 1/2 x 6 1/2 x 4 1/8" high. Shpg. wt 11 lbs.

**W21516**—Complete, ready to operate. **\$24.34**  
**Your Cost:**

## V. T. Voltmeter Model 1250

The accuracy of this vacuum tube voltmeter is independent of the changing characteristics of its tubes! Its new bridge circuit automatically balances out the tube plate current regardless of an emission change of the tube.

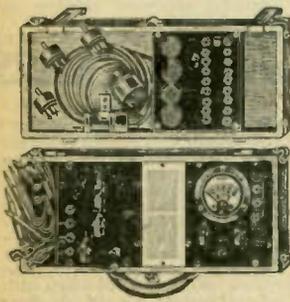


With Tilt Meter

Replacing a tube does not alter its accuracy a bit. Contains a Triplett tilting type meter with two separate d.c. movements; a sensitive galvanometer for indicating circuit balance, and the other a 3-scale voltmeter for reading peak a.c. and d.c. voltages. Scales are 2.5, 10, and 50 volts. Very easy to operate—very reliable. The V. T. Voltmeter can be used to measure: Signal voltages in i.f. and a.f. amplifier stages; filter ripple; signal gain per stage; a.v.c. and grid bias voltages, etc., etc. Furnished in "Master" unit metal case measuring 7 1/2 x 6 1/4 x 4 1/8" high. Has attractive silver and black panel. With tubes and all necessary accessories. Shpg. wt. 13 lbs.

**Triplett Model 1250. \$32.67**  
**W21521**  
**Your Cost:**

## Portable Laboratory—Model 1181A

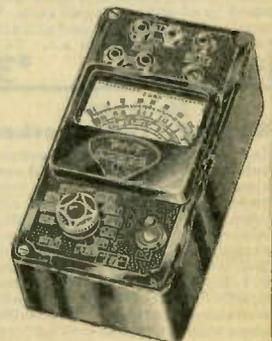


A complete test laboratory. Contains Volt-Ohm-Milliammeter, Free-Point Auxiliary Set Tester and All-Wave-Oscillator. Has a universal a.c.-d.c. meter having sensitivity of 500 microamperes. Either a.c. or d.c. readings selected by panel switch. The following meter ranges are available: 0-15-150-750 volts a.c. or d.c.; 0-1.5-15-150 d.c. milliamperes; 0-15-150 a.c. milliamperes; 0-1500-1,500,000-3,000,000 ohms. All-Wave Oscillator, model 1151, continuously variable from 110-500 kc., 500-3000 kc., 2000-6000 kc., and 4000-18000 kc. Accurate hand-drawn curves supplied for each range. Positive attenuator permits accurate control of output at all times. Battery operated.

**W21522**—Model 1181A With batteries. **\$37.24**  
**Your Cost:**

## Universal Pocket Volt-Ohm-Milliammeter Model 666

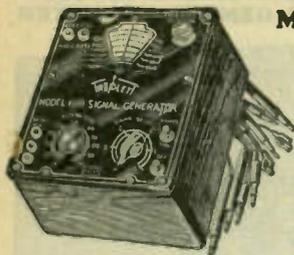
An actual pocket-size volt-ohm-milliammeter in a black Bakelite case. Provides a.c. and d.c. voltage ranges, d.c. milliamperage range and has a selector switch for all instrument readings. Also includes high and low ohm scales. Small enough to carry in a pocket, yet has all the advantages of the larger multimeters. Scale length corresponds in size to that of the Triplett three-inch instruments. The following meter ranges are available: d.c. volts, at 1000 ohms per volt, 0/10/50/250/500/1000; a.c. volts, at 1000 ohms per volt, 0/10/50/250/500/1000; low ohms from 1/2 to 300, high ohms from 0/250/000; d.c. milliamperes 0/1/10/50/250. Provisions for external batteries for higher resistance measurements. Case measures 3 1/2 x 5 5/8 x 2 1/8" high. Panel is modernistic silver and black. Battery and test leads with alligator clips included. Shipping weight 4 lbs.



**W10472**—List \$22.50. **\$14.70**  
**Your Cost:**

# TRIPLITT

# "MASTER" SERVICE EQUIPMENT



## Models 1231 and 1232 Direct-Reading Oscillator

Has frequency range of 100 to 30,000 k.c. in six bands; all fundamentals. Uses frequency stabilizing circuit. Modulated note is 400 cycles; jacks provided for obtaining this audio signal externally. Has long 12" direct-reading scale with vernier tuning. Models 1231 and 1232 have the same features except that 1231 is completely battery operated and therefore portable. All its batteries are self-contained. Model 1232 is designed to operate from the 110-volt

60-cycle a.c. line. Special, low-loss switching system on both models. Furnished in regular "Master" unit black wrinkle finish metal case, complete, ready to use—with instructions. Shpg. wt. 16 lbs.  
**W21477**—Model 1231, with batteries and tubes. **\$26.14**  
**W21478**—Model 1232, 110-volt a.c. oscillator. **\$26.14**

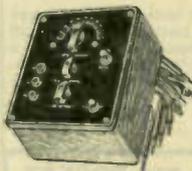
Your Cost

## MODEL 1230 OSCILLATOR

A stable, all-wave signal generator supplying a continuously variable signal either modulated or unmodulated. Frequencies from 100 to 18000 kc. in six bands. Scale calibrated against curve charts. Self-contained batteries. Complete, ready to operate. Supplied in new metal case. Shpg. wt. 14 lbs. With calibration charts.

**W21479**—  
Your Cost

**\$15.02**



## Model 1200A Dual-Meter Master Universal Tester

New tilting meter provides separate a.c. and d.c. meter movements. D.C. meter has 500 microampere sensitivity with 2% accuracy. D.C. scales: 10, 50, 250, 500, 1000 volts; 1, 10, 50, 250 ma.; 0 to 500, 1500 ohms and 1.5 and 3 megs. A.C. scales: 10, 50, 250, 500, 1000 volts. Three jacks for volts, ohms, mills, and output volts. Self-contained batteries. New metal "Master" unit case. Shpg. wt. 12 lbs.  
**W21480**—Wired, with batteries.

Your Cost

**\$21.24**

**W21481**—Kit to build tester, less case, batteries.

Your Cost

**\$16.33**

## Model 1200B With Copper Oxide Rectifier

Essentially the same as above, except that a more sensitive Copper Oxide type a.c. instrument is employed. Has additional 2-volt a.c. scale. Also has a backup ohmmeter for measuring low values (1/2 to 3000 ohms) of resistance. High resistance scale of 1.5 and 3 megohms.

**W21482**—Model 1200B Test Unit. List \$40.00

Your Cost

**\$26.14**

## Model 1220A Free-Point Tester

For use with above two testers or similar units. Services all sets using metal or glass tubes. Has 5 sockets (including octal) with RMA markings. Special jacks on the panel make possible all series and parallel meter connections, thru the set sockets, to all circuits of the receiver. Complete with 7-prong cable-plug and all necessary adapters. In "Master" case.  
**W21483**—Model 1220A Tester. Shipping weight 10 lbs. **\$9.80**

Your Cost

## Triplitt Complete Portable Master Test Sets

### Model 1206

A complete portable laboratory for the professional serviceman. Ideal for shop or road. Includes all units necessary for any type of trouble-shooting, aligning, etc., on all sets. Contains the finest, up-to-date instruments in unit form, and in one case. Comprises models 1220A tester, 1210A tube tester of both metal and glass tubes, 1200A dual-meter universal tester and model 1231 all-wave battery-operated oscillator. These units are described separately on this page. Their combination, in one convenient carrying case, permits the analysis of all sets—old, new and future ones. Case size, 17 1/2 x 17 D x 6" H. Shipping weight 37 lbs.

**W21485**—Ready to use; with instructions.

Your Cost

**\$81.02**

### Model 1205A

A low-priced, complete laboratory for bench or road. Makes all tests and alignments. Identical to the 1206 Master Test Set, except that in place of the 1231 all-wave oscillator, the Model 1230 Signal Generator (described on this page) is employed. All other units are the same as described for the 1206. With instructions. Shipping weight 36 lbs.

**W21484**—Your Cost

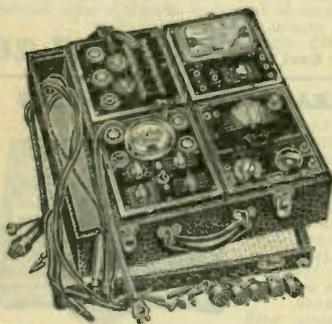
**\$69.90**

### Model 1207

Identical to the 1206 Master Test Set except that its oscillator, Model 1232, operates from the 110-volt a.c. line instead of from batteries. Shipping weight 37 lbs.

**W21486**—Your Cost

**\$81.02**



## Model 1240 Master Condenser Tester

Quickly and accurately checks the condition of any type—paper, mica or electrolytic condenser. Defects are indicated on an easily-read meter scale. For electrolytic units, a "Good-Bad" scale is provided. In testing for breakdowns Model 1240 excels in eliminating all the uncertainty of the "cut and try" method. Any intermittent short will burn thru and register as "Bad".

D.C. voltage for breakdown tests is available up to 1000 volts in steps of 2, 20, 60, 200, 600, and 1000 volts. The same holds true for a.c. voltages. Accuracy is maintained for the capacity tests by a line voltage regulator with a unique shadow-type indicator—which also shows when the tester is left connected to the line.

Furnished in a sturdy metal case with attractive black wrinkle finish. Size of case, 7 1/4 x 6 3/4 x 4 3/4". Test leads and detailed instructions included. Shipping weight, 13 lbs.

**W21487**—Model 1240 Condenser Tester. List \$37.25

Your Cost

**\$24.34**



## Model 1210A Tube Tester For Metal and Glass Tubes

An emission type tester with a 3 1/2" D'Arsonval type meter having an English reading scale calibrated "Good" and "Bad". Will test all types of tubes, including the latest all-metal octal base types. Has provisions for making short and leakage tests between tube elements. Tests are made quickly and accurately. Instrument is housed in an attractive metal case; all panel controls have etched scales. Furnished with complete set of instructions. For operation on 110 volts, 50-60 cycles a.c. Shpg. wt. 18 lbs.

**W21488**—

Your Cost

**\$19.60**



## Model 1310 Portable Unit

A deluxe model using the same unit as the 1210A above, but in two-toned hardwood case with removable cover, sloping panel. 110 v., 60 cycles a.c. Shpg. wt. 18 lbs.

**W21489**—Your Cost, Complete **\$24.18**

For 110 volts, 25 cycle, add. **\$5.88**

For 220 volts, 60 cycle, add. **8.50**

## Master Unit Cases—Single and Multiple

These cases are designed for combining any of the single "Master" units described on this and the preceding page. They are available with 1, 2, 3 and 4 separate compartments, and are constructed of well-seasoned wood covered with black grained leatherette. The compartments are lined with heavy felt material. A separate compartment is provided in each for accessories. Illustrated at left is the four-unit case, size 17 1/2" L x 17" D x 6" H with cover.

**W21490**—1 unit. Shpg. wt. 7 lbs.

Your Cost

**\$3.92**

**W21491**—2 units. Shpg. wt. 10 lbs.

Your Cost

**\$4.58**

**W21492**—3 units. Shpg. wt. 14 lbs.

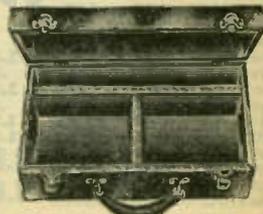
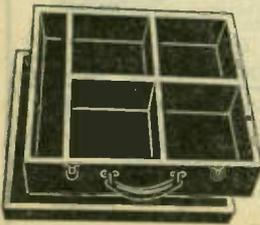
Your Cost

**\$5.22**

**W21493**—4 units. Shpg. wt. 16 lbs.

Your Cost

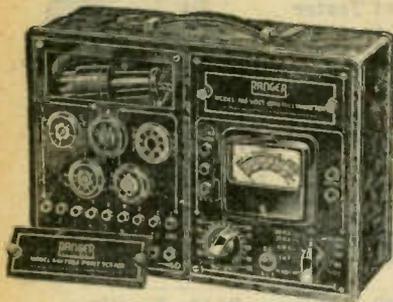
**\$5.88**



Mail Your Orders to NEW YORK or ATLANTA



## RANGER MODEL 640-740 FREE POINT ANALYZER



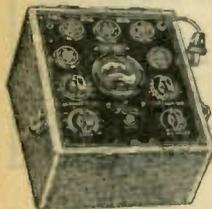
Combination free-point tester and volt-ohm-milliammeter. Complete in every detail for extensive voltage, current or resistance tests, either by direct contact with sockets or by the free-point plug-in method. Includes Triplett square-type, precision meter reading: 0-10-50-250-500-1000 volts, a.c., and d.c., at 1000 ohms per volt. (Accuracy 2% d.c., 5% a.c.); 1-10-50-250 ma.; low ohms, 0-300; high ohms to 250,000 at 1.5 volts; battery included.

### READS UP TO 2.5 MEGOHMS

Rheostat is capable of taking care of 15 volts for readings up to 2.5 megohms. Has five sockets for handling any type glass, metal-glass or metal tube. Panel also includes eight automatic switch type and ten single action jacks. Housed in sturdy metal case with compartments for accessories. Electro-enamel finish with modernistic silver and black panels.  $11\frac{1}{2} \times 7\frac{3}{4} \times 4\frac{1}{4}$ ". Model 640-740. Shpg. wt. 15 lbs. W21467—

Your Cost Complete. . . . . **\$26.46**

## READRITE MODEL 430 TUBE TESTER FOR ALL TUBES



An up-to-the-minute tube tester priced to fit the pocket of any serviceman or dealer. Tests all tubes including the new 8-prong metal and glass-metal types. Test tubes with actual load values applied so that accurate indication is obtained. Tests for shorts and leakage.

Uses Triplett Model 221 meter with "Good-Bad" scale; meter is protected against damage. Has shadow-type meter for line voltage adjustment. Sloping all-metal lithographed silver and black panel. Quartered oak portable case with cover.,  $8\frac{1}{2} \times 8 \times 6\frac{3}{4}$ ". For 110 volts, 50/60 cycles a.c. only. W21468—Shpg. wt. 10 lbs.

Your Cost Complete. . . . . **\$17.64**

## READRITE Model 431 Tube Tester

Same as above, but with READRITE "Good-Bad" meter instead of Triplett.

W21469—Shpg. wt. 10 lbs. **\$14.12**  
Your Cost Complete. . . . .

The RANGER-EXAMINER line of test instruments is a new development which, for the first time, brings precision, laboratory-type service equipment within the moderate price class, and so within financial reach of every serviceman and technician.

## RANGER MODEL 557 ALL-WAVE SIGNAL GENERATOR

Plug-in coils are used to cover a range of from 110 to 20,000 kilocycles in five bands—all fundamentals and direct reading. Accuracy is less than 1% for broadcast and intermediate bands, and less than 3% for short wave bands. Completely shielded. Puts out both modulated and unmodulated signals. All batteries and two 30 tubes are included with necessary accessories in a black leatherette case,  $12 \times 6\frac{1}{2} \times 5\frac{1}{4}$ ". Scale is provided for graph calculations for making handy charts. Completely portable. W21470—Shpg. wt. 13 lbs.



Your Cost Complete. . . . . **\$17.64**

## RANGER MODEL 735 POCKET VOLT-OHM-MILLIAMMETER

Here is a complete, actual pocket-size d.c., all-purpose test instrument with selector switch and internal battery.



Uses the Triplett D'Arsonval precision meter reading: 0-15-150-750 volts; 0-1-5-15-150 ma.; 0.5-1000 low ohms; 0-100,000 high ohms at 1.5 v. Accuracy within 2%. Zero adjustment for ohm scales and provision for external batteries for higher resistance readings. Housed in sturdy molded black case,  $3\frac{1}{2} \times 5\frac{1}{2} \times 2\frac{1}{4}$ " high. Attractive silver and black panel. Test leads with alligator clips and battery included. W21471—Shpg. wt. 4 lbs.

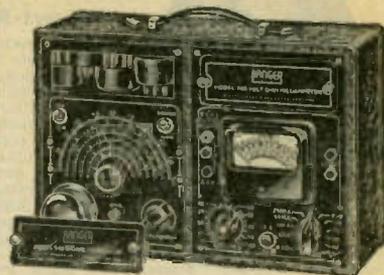
Your Cost Complete. . . . . **\$10.58**



Are of the flush-mounted, clamp-on type, requires a  $2\frac{3}{4}$ " hole. Handsomely finished in bright nickel. All have narrow rim. D.C. units are the polarized vane, solenoid type. A.C. are double-vane repulsion type. Scales, black lithographed on white.

## MODEL 55 PANEL METERS

## RANGER MODEL 540-740 SIGNAL GENERATOR-METER



Every service man will want this combination direct-reading all-wave signal generator and volt-ohm-milliammeter. Compactly built, the two instruments are housed in a sturdy metal case,  $11\frac{1}{2} \times 7\frac{3}{4} \times 4\frac{1}{4}$ ", with attached handle for portable use. With this instrument the serviceman can locate most of the troubles common to radio receivers and do alignment work as well. Contains a Triplett precision instrument with an accuracy of 2% on d.c., and 5% on a.c.

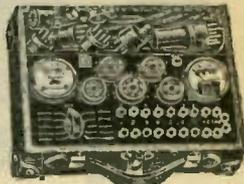
### IS COMPLETELY SHIELDED

All voltage readings are had at 1000 ohms per volt: 0-10-50-250-500-1000 volts a.c., and d.c., 0-1-10-50-250 ma., 0-300 low ohms, 0-250,000 high ohms at 1.5 volts. The signal generator is direct-reading and uses five plug-in coils to cover 110 to 20,000 kilocycles in fundamentals. The unit is furnished complete with instructions, charts, tubes and batteries. W21472—Shpg. wt. 21 lbs.

Your Cost Complete. . . . . **\$35.28**

## READRITE 720A TESTERS

Point-to-point tests through an 8-conductor cable on all glass and metal tube sets. D.C. scales are: 15-150-300-600 volts. A.C. scale: 10-25-150-750 v. Measures ohms and capacitance. Complete with instructions and accessories. Leatherette case  $11 \times 8 \times 4\frac{1}{4}$ ".



W21473—Wt. 11 lbs. Your Cost Complete. . . . . **\$14.70**

## READRITE Model 730A Tester

As above, but with Triplett 1000-ohm per volt meter; with ohm scale.

W21474—Your Cost. . . . . **\$18.23**

## READRITE Model 710A Tester

Similar to 720A, but has three meters.

W21475—Shpg. wt. 10 lbs. **\$16.17**  
Your Cost Complete. . . . .

## READRITE Model 712A Tester

Similar to model 710-A, but uses Triplett 1000-ohm/volt d.c. voltmeter; ohm scale.

W21476—Shpg. wt. 11 lbs. **\$21.76**  
Your Cost Complete. . . . .

D.C. VOLTMETERS				
Stock No.	Range	Resis. Ohms	Your Cost	
W11051	0-1	30		<b>59<sup>c</sup></b>
W11052	0-3	175		
W11053	0-5	410		
W11054	0-6	550		
W11055	0-8	850		
W11056	0-10	1475		
W11057	0-15	2914		
W11059	0-25	1625		
W11060	0-25	7720	1.62	
W11061	0-50	3250	.59	
W11062	0-50	15440	1.94	
W11063	0-100	6500	.88	
W11064	0-100	30888	1.94	
W11065	0-150	9750	1.03	
W11066	0-150	46320	1.94	
W11067	0-300	92640	1.94	
W11068	0-500	154400	2.65	
W11069	0-60-300	92640	2.65	

D.C. MILLIAMMETERS				
Stock No.	Range	List	Net	
W11050	0-5	\$2.25	\$1.32	<b>59<sup>c</sup></b>
W11100	0-10	2.00	1.18	
W11101	0-15	1.00		
W11102	0-25	1.00		
W11103	0-50	1.00		
W11104	0-100	1.00		
W11105	0-150	1.00		
W11106	0-200	1.00		
W11107	0-300	1.00		
W11108	0-400	1.00		
W11109	0-20/100	2.00	\$1.18	
W11110	0-15/150	2.00		
D.C. AMMETERS				
W11091	0-1	1.00		<b>59<sup>c</sup></b>
W11092	0-3	1.00		
W11093	0-5	1.00		
W11094	0-10	1.00		
W11095	1-0-1	1.00		
W11096	3-0-3	1.00		
W11097	6-0-6	1.00		
W11098	10-0-10	1.00		
W11099	20-0-20	1.00		

A.C. VOLTMETERS					
Stock No.	Range	List	Net		
W11072	0-4	\$2.75		<b>1.62</b>	
W11073	0-6	2.75			
W11074	0-10	2.75			
W11075	0-15	2.75			
W11076	0-150	4.50	2.65		
W11077	0-300	5.50	3.23		
W11079	0-750	7.75	4.56		
W11080	0-10-140	4.50	2.65		
A.C. AMMETERS					
W11081	0-1	\$2.75			<b>1.62</b>
W11082	0-3	2.75			
W11083	0-5	2.75			
W11084	0-10	2.75			
W11085	0-50	3.25	1.94		
A.C. MILLIAMMETERS					
W11087	0-50	\$2.75		<b>1.62</b>	
W11088	0-100	2.75			
W11089	0-250	2.75			
W11090	0-500	2.75			

OUTPUT METERS	
Used in aligning r.f. and i.f. circuits. Has copper-oxide rec-tifier. 2 rangers: 0-5 volts for connection to voice coil; 0-50 volts for plate of tube. On metal panel with jacks and test leads. Wt. 4 lbs. W21038—Your Cost <b>\$4.27</b>	
<b>Wide Flanges</b> 2 3/4" outside diam. Black enameled finish. Fits all 55's or similar units W21041— <b>9<sup>c</sup></b> Each	

# RCA Test INSTRUMENTS RCA

## Audio Beat Frequency Oscillator



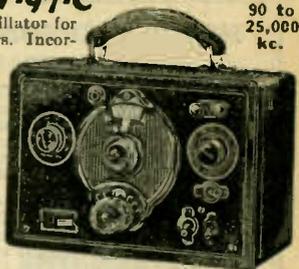
The RCA Beat Frequency Oscillator is ideal for any application requiring a source of a.c. of frequencies ranging from 30 to 15,000 c.p.s. Features include the use of four acorn tubes, reducing space requirements and permitting efficient arrangement of components; a neon lamp provides an accurate check of dial readings against the line frequency; dial controlled by a 5:1 ratio vernier. Used for measuring receiver and amplifier fidelity, checking transformer frequency characteristics, checking filter frequencies, making frequency measurements and a host of others. Range is from 30 to 15,000 c.p.s. (within 1 db from 120 to 10,000 c.p.s.; down 3 db at 30 c.p.s. and down 2 db at 15,000 c.p.s.). Max. output 60 milliwatts. Accuracy: 5% from 1000 to 15,000 c.p.s., 10% from 30 to 1000 c.p.s. Output impedances 250, 500 and 5000 ohms center tapped to ground. Tubes used: 2-955's, 2-954's, 1-81, 1-neon lamp. In portable steel case  $6\frac{1}{2} \times 9\frac{3}{4} \times 4\frac{1}{2}$ ". Black wrinkle finish. For operation on 110 volts, 50-60 cycles a.c. Shipping weight 11 lbs. RCA No. 9633.

**W21456—Your Cost, Complete with Tubes..... \$64.50**

## Test Oscillator TMV-97-C

A compact, self contained r.f. oscillator for use with all types of radio receivers. Incorporates all equipment necessary for use with oscillograph. Range covers from 90 to 25,000 kc. (3300 to 12 meters) in 8 steps. Individual coils for each range. Dial calibrated in frequency and is accurate to within plus or minus 3%. Dial has vernier adjustment allowing ratios of 6:1 and 20:1. Circuit employs two 30 tubes and requires one 22½ volt "B" battery and one 4½ volt "C" battery. Signal modulated or unmodulated. In black wrinkle finished aluminum case  $8\frac{1}{2} \times 9\frac{3}{4} \times 4\frac{1}{2}$ ". Shpg. wt. 3½ lbs.

**W21453—Oscillator with tubes, less batteries. \$34.50**  
**Your Cost**  
**W20108—4½-volt "C" battery \$23¢**  
**W20106—22½-volt "B" battery \$66¢**  
**Your Cost**  
**Each**  
**TMV-97-C Oscillator with ±1% calibration at additional \$5.00**



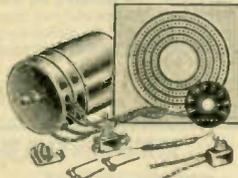
## Piezo-Electric Calibrator

An accurate instrument for calibrating receivers, test oscillators and laboratory apparatus. Consists of a crystal oscillator, properly ground and accurately calibrated. Checks frequencies from 100 kc. to 20,000 kc. in 100 kc. steps; 100 kc. to 50,000 kc. in 1000 kc. steps. Each of these has prolific harmonics which can be used. Each instrument individually calibrated; guaranteed accuracy .05%. Provision for unmodulated operation provided. Amplifier uses type 955 acorn tube. Operates on 110 volts, 60 cycles a.c. In Bakelite case  $5\frac{1}{2} \times 3\frac{3}{4} \times 2\frac{3}{4}$ ". Shpg. wt. 2 lbs. RCA No. 9572.

**Piezo Calibrator, with tube. \$29.95**  
**W21452—Your Cost.....**



## Modernization Kit



Contains all parts necessary to convert TMV-97-B oscillators for use with the oscillograph and frequency modulator. Includes the shielded coil assembly, sweep circuit jack, "Hi-Lo" switch, modulation switch, dial scale, eacutcheon plates and all necessary resistors. Instructions included. Shpg. wt. 2 lbs.

**W10562—Your Cost \$5.67**

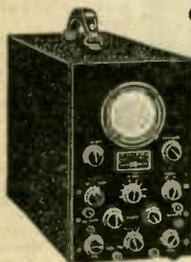
## Beat Freq. Oscillator

For use with any short-wave super-het having an intermediate frequency between 415 and 700 kc. Receiver must also be able to supply power for an additional tube filament. Just three wires to connect. For 2.5 volt sets, use a 58 tube; a 6D6 with 6.3 volt sets. Unit is of the electron coupled type. Control rod varies the pitch of the note. Entire assembly on metal chassis  $7 \times 2\frac{1}{2} \times 7$ ". Full instructions included. Shpg. wt. 7 lbs.

**W21454—Oscillator, less tube. Your Cost \$7.50**



## Cathode Ray Oscillograph



The oscillograph makes use of the type 906 cathode ray tube. It is indispensable for measuring frequency and magnitude of hum, percentage of modulation, for examining wave forms, aligning receivers, etc., etc. Incorporates two amplifiers, for vertical and horizontal sensitivity, and both have uniform frequency range from 20 cycles to 90 kilocycles. A switching arrangement permits throwing amplifiers into and out of the circuit. Timing axis has range from 20 cycles to 15,000 cycles, and is controlled from the front panel. The amplifier feeding the horizontal axis may be used to amplify the timing oscillator. Provision is made for both internal and external synchronization and both vertical and horizontal beam shift, so as to obtain an image with proper framing. Oscillograph is housed in a metal cabinet finished in black crackle and provided with a carrying handle. Amplifiers use: 1-879, 1-885, 1-80, 2-57's. Operates on 110 volts, 50-60 cycles a. c. Power consumption 85 watts. Size:  $10\frac{1}{2}$ " high, 6" wide and 16" deep. Shipping weight 25 lbs.

**W21455—RCA Cathode Ray Oscillograph, type TMV-122B. Complete with all tubes and 906 Cathode Ray Tube and detailed operating instructions. \$84.50**  
**Your Cost.....**

## RCA Frequency Modulator

For aligning receivers with the RCA Oscillograph. Provides the necessary frequency variation and the a.c. synchronizing voltage. Combined motor-driven a.c. generator and variable capacitor. Two ranges 22.5 and 45 mmfd. 25 sweeps per second. 14" low capacity cable supplied. The generator frequency is two cycles per revolution permitting positive synchronizing for double sweep alignment. The generator voltage is 1.5 volts minimum. Current consumption is 25 watts.  $8\frac{1}{2} \times 9\frac{3}{4} \times 4\frac{1}{2}$ ". deep. RCA Part No. 9558. Shpg. wt. 8 lbs.

**W21450—Your Cost \$27.50**



## Universal A. C. Bridge

Designed for service engineers, laboratories, experimenters, etc. Consists of a variable ratio arm Wheatstone Bridge having three standards each for inductance, capacitance and resistance. Measures inductance from 100 microhenrys to 10 henrys; capacity from 10 micro-microfarads to 10 mfd.; resistance from 1 ohm to 1 megohm. A vacuum tube 1000 cycles oscillator and two stage amplifier, together with their power supplies are built in. A nine position switch allows selection of desired range. Only additional equipment necessary is a null indicator (single high imp. headphone). Tubes: 1-25Z5, 1-76, 1-6P7. All scales etched on aluminum panel which also contains all controls. For 110 volts a.c., 25 to 60 cycles. In portable aluminum case  $6\frac{1}{2} \times 9\frac{3}{4} \times 4\frac{1}{2}$ ". black wrinkle lacquer finish. Shipping weight 7 lbs.

**W21451—Universal a.c. Bridge, with tubes. \$49.65**  
**Your Cost.....**



## CI Precision Volt-Ohmmeter

Ideal for all ordinary service work. Employs a moving coil type meter and provides the following ranges: 0/5/50/500 volts d.c.; 0 to 500,000 ohms. Batteries enclosed. Accuracy 2%. Ohmmeter has zero adjustment. 1000 ohms per volt. Supplied with 30" test leads. In black Bakelite case  $1\frac{1}{2} \times 2\frac{3}{4} \times 3\frac{3}{4}$ ". Shpg. wt. 4 lbs.

**W11450—Your Cost \$7.78**

## CI Portable Volt-Ohmmeter

A convenient pocket sized volt-ohmmeter practical for service work. Voltage range 0 to 300 volts d.c.; resistance range 0-10,000 ohms. Magnetic vane type meter. Change from volts to ohms by means of toggle switch. Round seamless black case 3" in diameter by  $1\frac{1}{2}$ " deep. Has self-contained batteries. 30 inch test leads. For all ordinary service work. Shpg. wt. 2 lbs.

**W11451—Your Cost \$2.30**



## CI Simplex Volt-Ohmmeter

A handy pocket size volt-ohmmeter. Uses a magnetic vane type meter and provides the following ranges: 0/3/30/300 volts d.c.; 0 to 10,000 ohms. Includes self-contained batteries. All scales etched directly on panel. Housed in walnut Bakelite case. Complete with test leads. Overall size:  $1\frac{1}{2}$ " deep,  $2\frac{1}{4}$ " wide,  $3\frac{1}{8}$ " high. Shpg. wt. 4 lbs.

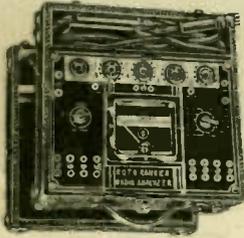
**W11452—Your Cost \$3.23**



To Speed Handling of YOUR Order--Use Our Order Blank

# modern all PURPOSE Test Instruments

## NEW! SIMPSON ROTO ANALYZER A SEPARATE SCALE FOR EACH RANGE!



Gone is the complicated scale, the necessity for quick, mental arithmetic, the difficulty in reading, the cramped calibrations and the possibility of errors. The new roto-dial has twelve independent scales.

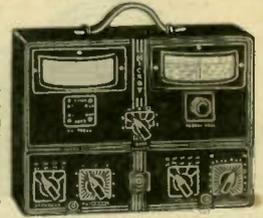
### AUTOMATIC IN ACTION

The selector is turned for the desired range and automatically and simultaneously moves into place a scale for that range—clear, legible, quickly and easily read. This new, revolutionary meter is incorporated in a complete analyzer for trouble-shooting on the very latest type of receivers.

The following ranges, ordinarily found jammed onto a single scale, each occupy its own scale: D.C. volts, 0-8, 0-130, 0-1000; a.c. volts, 0-8, 0-300, 0-1000; d.c. milliamperes, 0-1, 0-8, 0-130; 0-100 ohms (center scale 21,000). The equivalent of 12 separate meters in one instrument! All a.c. voltage ranges are available for output measurements. Makes all socket measurements as well as point-to-point. Supplied complete with cord and plug, adaptors, prods, carrying case and complete accessories.

**W21499**—With instructions. Shpg. wt. 15 lbs. **\$48.00**  
Your Cost Complete.

## Hickok Radio-Audio Oscillator Model OS-10



A thoroughly modern all-wave oscillator using an electron-coupled oscillator covering 85 kc. to 50 megacycles in 7 ranges, calibrated to an accuracy better than 1/2 of 1%. The output is adjustable from 1/2 micro-volt to 3 volts. Two dynatron audio oscillators supply modulation, one fixed at 400 cycles and the other adjustable from 0 to 10,000 cycles. An output meter calibrated in decibels from -10 to +15 db. and 12 to 40 db. provides gain and loss measurements across a 400 ohm line or through a capacity connection directly to the plate of a tube. The oscillator is provided with an r.f. corrector to insure direct reading on the dial. This method permits an accuracy of 0.2 of 1%.

### HAS BUILT-IN POWER SUPPLY

The oscillator uses one type 41, one type 6C6, one type 6D6 and one type 1V tube. All tubes are operated sufficiently below their rated voltages to insure long life and uniform service. The unit contains its own power supply which operates from any 110 V. 40 to 65 cycle a.c. line. Each oscillator comes completely equipped with all necessary connecting cables. Complete operating instructions are provided. Size 11" wide x 9" high x 5 1/4" deep. Shpg. wt. 16 lbs.

**W21494**—List Price \$80.00 **\$47.04**  
Your Cost.

## DEPENDABLE 403A MULTI-TESTER



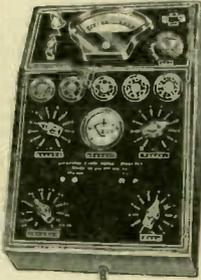
A compact multi-range tester of exceptional sensitivity (2000 ohms per volt) at a truly phenomenal price. Voltmeter ranges are: 0-5-50-250-750 a.c. volts. Milliammeter range: 0-50 ma. Microammeter range: 0-500. Ohm-

meter ranges 0-2000-200,000-2,000,000 ohms. 2% accurate. Shpg. wt. 6 lbs.

**W10466**—Complete with batteries. Your Cost **\$13.67**

Knockdown kit model 403AK. **W10467**—Less batteries and case. Your Cost **\$10.44**

## DEPENDABLE TUBE TESTER MODEL 305C



An attractive, efficient and quick-testing tube checker for dealer or service man; tests all tubes, including the metal 8-prong types. It incorporates a large 5" bakelite fan type meter with an English reading scale. Includes separate line-voltage meter with voltage controls. Ohmmeter, continuity tester and Condenser Tester are included. Measures resistances from 10 to 1,000,000 ohms—no batteries required. Indicates good, open, shorted and leaky condensers—measures actual capacity. Available complete or in kit form. Shpg. wt. 10 lbs.

**W21495**—Your Cost **\$21.47**  
**W21496**—Kit complete with instructions. Your Cost **\$17.29**

## DEPENDABLE MODEL 305P TUBE TESTER

Incorporates the same technical features as model 305C above, but designed for both portable and counter use. Cover is removable, and compartment is provided for tubes and tools. An ideal instrument for the small dealer-serviceman. Shpg. wt. 10 lbs.

**W21497**—Complete with instructions. Your Cost **\$24.00**

## DEPENDABLE 405 VOLT-OHMMEETER



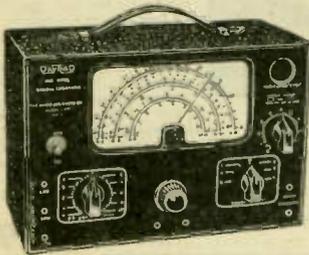
**Model 405A**  
Here is the instrument the serviceman, sound technician and experimenter should have.

An accurate multi-range instrument reading from 0-1000 and 0-400,000 ohms. Movement guaranteed 2% accurate. Four voltage ranges 0-2.5; 0-25; 0-125 and 0-750. Current

ranges of 0-2.5 and 0-125 milliamperes. Complete with self-contained batteries. An ideal portable instrument for serviceman, dealer, experimenter or amateur. Complete with batteries.

**W10464**—Your Cost **\$8.57**

## DAYRAD SERIES 36A SIGNAL GENERATOR



All-wave range from 60 to 60,000 kc., on fundamentals only. Each band has a separate set of coils and each band is individually calibrated—6 ranges. New output indicator using 6E5 cathode-ray tube provides quick adjustment without meter. Employs one 6C6 r.f. electron-coupled oscillator, one 37 audio oscillator and one 37 rectifier. All circuits individually shielded—high and low outputs—Faraday shield isolates a.c. lines—has 400-cycle audio signal for modulation or external use. In black crystalline case 10x7x4 1/4". Shpg. wt. 14 lbs.

**W21498**—Complete with all tubes. For 110 volts, 50-60 cycle a.c. **\$36.00**  
Your Cost

## HICKOK WATT METER Model 4783



While the possession and use of a watt-meter has never been stressed among radio servicemen, it is an instrument that should be in every shop.

Ideal for servicing refrigerators, washers, radiators and electrical appliances. A dependable high grade dynamometer instrument to withstand hard use in testing by indicating watt load to compare actual wattage consumption with rated specification. Complete with double ended attachment cord and plugs. Range, 0-750 watts.

**W21500**—Your Cost **\$16.76**

## RACO All-Wave Oscillator

A really fine signal-generator and at a price within reach of all. Five fundamental bands from 54 to 17,000 kc. Full attenuation control; universal A.C. or D.C. operation; 1% accuracy; direct reading. Metal case 10x6x5 1/4". Complete with tubes. Shpg. wt. 8 1/2 lbs.

**W21502**—With Instructions. **\$15.60**  
Your Cost



## DEPENDABLE Master Multi-Tester

### Model 410



A super test instrument for the man who wants the most complete unit available. Measures d.c. voltage and currents; a.c. voltage and currents; capacity, decibels; and output. Accurately measures resistances from 1/4 ohm to 40 megohms. Includes 5 a.c. voltage ranges; 5 individual d.c. voltage ranges; 6 d.c. current ranges; 5 individual capacity ranges from .0001 to 300 mfd.

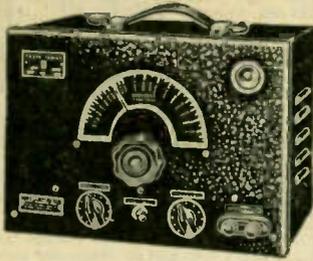
### Incorporates Db Ranges

A.c. and d.c. voltages: 5, 25, 100, 250, 1000. A.c. and d.c. currents: 500 microamperes, 5, 25, 100, 250 ma., 2.5 amps. Capacitance: .03, .3, 3, 30, 300 mfd. Resistance: 1000, 10,000, 1,000,000 ohms, 10, 40 megohms. Inductance: 25, 1000 millihenrys, .25, 10, 1000, 10,000 henrys. Decibels: -15, +9, +24, +35, +40 db. The five-inch fan-type meter provides 2000 ohms per volt sensitivity on d.c., and 1800 ohm per volt sensitivity on a.c. Complete with test prods in a fine quality carrying case. Handsomely engraved panel. No external batteries required. Extremely simple to operate. Size 10 1/2 x 11 1/4 x 5 1/2".

**W21501**—Your Cost Complete. **\$30.87**

# C B Clough-Brengle TEST INSTRUMENTS C B

## MODEL 79-A AUDIO SIGNAL GENERATOR



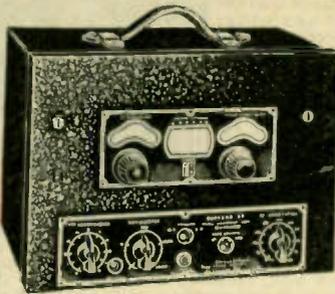
This improved version of a popular instrument introduced by Clough-Brengle to the service field now features air-tuned oscillator inductors, the type 6E5 cathode-ray tube for zero-beat indication, continuous calibration from 50 to 10,000 cycles and less than 1 db variation of voltage output across the entire frequency range. Wave form is guaranteed to contain less than 5% distortion, which is less than can be observed by eye and well within tolerance.

### OUTPUT—150 MILLIWATTS

It features higher power output, plus 14 db or 150 milliwatts (27 volts across 5000 ohms). This makes possible direct application of the 79-A to uses requiring external amplification of the usual audio oscillator. It is contained in an all-metal baked crystalac carrying case with leather handle on top. Tubes are a 6C5 150 kc. r.f. oscillator, a 6Z4 demodulator, a 6C5 output amplifier, a 6C5 rectifier and a 6E5 indicator. Size, 9" high, 13" wide, 10" deep. Wt. 20 lbs.

**W21457**—Model 79-A beat note audio signal generator complete with all tubes and complete instructions. **Your Cost.....\$52.67**

## MODEL 99 R.F. SIGNAL GENERATOR

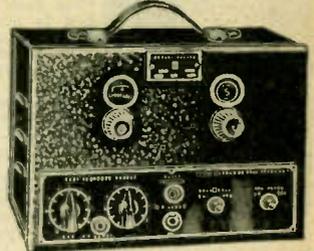


This instrument provides a calibrated output (in microvolts) for the accurate measurement of receiver sensitivity and gain. It employs a circuit providing uniform voltage output from 100 kc. to 20 mc., readable directly in microvolts. The patented rotor-inductor assembly provides a frequency range of 100 kc. to 60 mc. on fundamental output without the use of band changing switches or plug-in inductors.

### CHECKS SET PERFORMANCE

Other important features found in this instrument are variable percentage of modulation, pure sine wave audio output and modulation, and attenuator for audio output. The model 99 employs both glass and metal tubes, a 6C5 as r.f. oscillator, a 6N7 as a.f. oscillator and a type 84 as a rectifier. Frequency is read direct on a 25" dial. Accuracy is within 1/2 of 1%. Double shielded case. For 110 volts, 50/60 cycles a.c. **W21458**—Model 99 signal generator complete with all tubes. Wt. 19 lbs. **Your Cost.....\$43.02**

## MODEL OC-A R.F. SIGNAL GENERATOR



A precision instrument hand calibrated against a crystal oscillator. Continuously variable from 100 kc. to 30 mc. on a fundamental output. Improved power circuit completely eliminates line feedback. A new ladder type attenuator gives calibrated output ratios and absolute control to less than 1/2 microvolt. The 25-inch dial scale is several times longer than that of any open face type instrument. Five hand-drawn, 8 1/2 x 11", calibration curves are supplied.

### ACCURATE WITHIN 1/2 OF 1%

Employs a 6C5 as r.f. oscillator, a 6C5 as a.f. oscillator and an 84 as rectifier. Provides unmodulated r.f., 400-cycle modulated r.f., and 400-cycle a.f. Housed in crackle-finished case with handle.

**W21459**—Model OC-A for 110-volt, 50/60-cycle a.c. operation; with all tubes. Shpg. wt. 15 lbs. **Your Cost.....\$29.35**

**W21460**—Model OC-B, as above, but for a.c.-d.c. 110-volt operation. **Your Cost.....\$29.35**

**W21461**—Model OD-A complete with all tubes for battery operation. **Your Cost.....\$29.35**

## MODEL CRA CATHODE-RAY OSCILLOGRAPH



Is complete for every servicing, experimental and transmitting radio need as well as industrial application. Permits study of wave forms of frequencies at 100,000 cycles or higher. Combines in a single housing two input amplifiers, linear sweep circuit and power supply for all tubes. Employs a 906 (3") cathode-ray tube, a 57, a 2A5, an 886, an 80 and an 81.

### Uses Calibrated Screen

Housed in a black baked crystalac carrying case with etched black and aluminum front panel. Size 14 1/2" high, 17 1/2" deep, 8" wide. Furnished complete with 60-page instruction manual and removable calibration screen. Power supply operates from 110 volts, 50/60 cycles a.c.

**W21462**—Model CRA oscillograph with all tubes and instruction manual. Shpg. wt. 32 lbs. **Your Cost.....\$82.80**

**FREE!** With each C-B Oscillograph, a copy of "Cathode Ray Testing and Analysis."

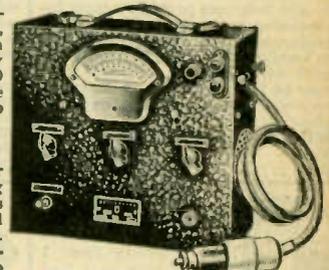
## MODEL 88 V.T. AND PEAK VOLTMETER

Operates as a vacuum tube voltmeter with direct to grid connection over a 0-1.2 volt range, and as a peak voltmeter with self-contained power supply over the ranges of 0-10-100 volts. Used wherever voltage readings must be taken with no current drain.

### Uses Metal Tube

The C-B 4 1/2" fan-type meter with green case is used, giving good readings on potentials as small as 0.1 volt. The 6F5 metal tube is mounted on a 30" cable. Accurate when measuring potentials on any frequency up to 30 mc. In baked crystalac metal case. Shpg. wt. 16 lbs.

**W21466**—For 110-volt, 60-cycle a.c. **Your Cost Complete.....\$41.67**



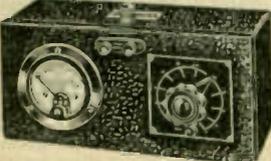
## NEW MODEL OM-A "INDUCTOR SWEEP"

A midget synchronous motor provides a frequency "wobble" plus or minus 20 kc. from oscillator frequency. Can be used with above or any oscillograph. Incorporates a straight oscillator and Roto-Inductor assembly. 400 cycle modulation and audio output. Complete with metal tubes. For 110 volts, 50/60 cycle a.c. Shpg. wt. 30 lbs.

**W21463**—OM-A signal generator as described. **Your Cost.....\$56.60**

**W21464**—81-A frequency modulator with tubes; for any oscillator using "Inductor Sweep" principle. **Your Cost.....\$33.57**

## MODEL UD-A POWER LEVEL INDICATOR



Reads directly in decibels from minus 12 to plus 40. New high speed meter movement shows peaks not observable with ordinary sluggish instruments. Constant impedance attenuator of 5000 ohms. Correction charts supplied for bridging loss on any line. In carrying case 4 1/2 x 5 1/2 x 10 1/4" long. Wt. 6 lbs.

**W21465**—Model UD-A power level indicator. **Your Cost.....\$24.10**

Invaluable for the sound technician—P.A. and theatre—laboratory, college and serviceman.

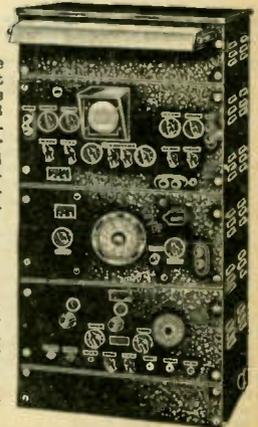
## COMPLETE SERVICE LABORATORIES

Now you can equip your shop with one convenient, prestige-building cabinet containing the exact C-B instruments that best meet your needs. Each C-B instrument listed on this page, is available in rack-mounting style to fit your own standard 19" rack or the model 94 Laboratory Cabinet illustrated here-with. You can start with a single instrument and add as your shop requirements grow and finances permit.

### A REAL LABORATORY

The cabinet holds standard 19" rack-panels to a total panel height of 37 1/2 inches (a maximum of three C-B instruments); maximum depth 11 inches. A handsome Lumalite fixture which illuminates the entire front is also available.

**For Complete Details Write For Free Bulletin**



**RELIABLE EQUIPMENT AT REASONABLE PRICES**



# Meters WESTON Analyzers

THE STANDARD OF COMPARISON

## WESTON Selective Analyzer



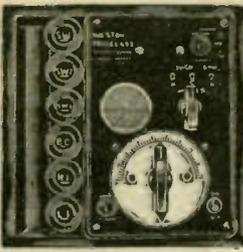
**Models 665-1  
665-2**

Available in two types. No. 2 is a "Pin Jack Model" and is illustrated. No. 1 employs a rotary switch for a more rapid selection of ranges.

Both models have the following selection of a.c.-d.c. voltage ranges: 1,000, 500, 250, 100, 50, 25, 10, 5, 2.5 and 1, all with a sensitivity of 1,000 ohms per volt. The current ranges of the Type 2 Pin Jack Analyzer are: 500, 100, 50, 25, 10, 5, 2.5, and 1 ma., d.c. only. Current ranges of the Type 1 Analyzer are the same except that measurements may be taken up to 1,000 ma., d.c. only. Resistance measurements may be made from 1 ohm to 1 megohm. Ordinary a.c. measurements and output readings made possible by use of a copper oxide full-wave bridge rectifier. Entire assembly mounted in attractive metal case. Shpg. wt. 7 lbs.

**W21524** — Model 665-1 less carrying case **\$52.50**  
**W21525** — Model 665-2 Less Carrying case **\$48.75**  
**W21526** — Portable Carrying Case for above meters **\$3.75**

## WESTON OSCILLATOR

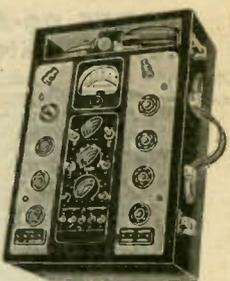


**Model 692**

The servicing scope of this instrument is greater than that of any other similar unit ever offered. Includes such attractive features as: All frequencies from 100 kc. to 22 megacycles. Low minimum signal — special attenuator system — attenuated below 1 microvolt, permitting alignment of a.v.c. receivers below the a.v.c. point. Presents constant 200 ohms impedance to receiver allowing set to function normally while being aligned. High maximum signal approximately 0.2 volt, necessary to drive an i.f. signal through a receiver — permitting complete portability and usefulness under all conditions. Percentage of modulation is 50% at all frequencies. Hand calibrated curves. External modulation permitting use of phonograph for determining a.f. characteristics of receivers in conjunction with RCA constant frequency records for studying. Shpg. wt. 14 lbs.

**W21527** — Less portable case **\$45.00**  
**W21528** — Portable Case for above **\$3.75**  
**Your Cost**

## WESTON CHECK MASTER

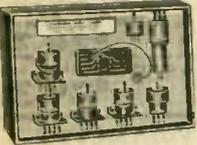


**Model 771**

A new tube checker for portable or counter use — it checks all tubes; measures circuit voltages; indicates condenser leakage; and makes resistance set analyses. It combines in one unit a reliable tube tester and a complete servicing instrument. It measures a.c. line voltage, indicating variations from 105 to 135 volts. It has three d.c. voltage ranges: 0-10, 100 and 1,000; and an ohmmeter covering the range of 0-2,000,000 ohms. In testing tubes the neon short checker permits tests to be made while the tubes are hot. Tubes are tested by one of three classifications; either battery — cathode or diode types. A filament return selector takes care of all filament problems, both in the glass and the metal type tubes. The double service offered by this instrument makes it extremely useful as a portable servicing unit — complete in itself. It takes the place of other set analyzers. Size, complete in portable case, 14½x9½x6". Shipping weight 16 lbs.

**W21529** — **Your Cost** **\$45.00**

## WESTON Socket Selectors Model 666-1B



For use with either Model 665-1 or 2 to form a complete testing analyzer. Eliminates obsolescence

of equipment. The Model 666-1B Socket Selectors provide a most inexpensive and practical means for modernizing analyzers not equipped to handle 7 or 8 prong tubes. When used with analyzer, the test plug may be inserted into any socket of any chassis. With instructions. Shpg. wt. 3 lbs.

**W10571** — List \$19.00  
**Your Cost** **\$14.25**

## WESTON Model 780 Capacity Meter



A new reasonably priced multi-range capacity meter — small enough to fit in your pocket. Operates on any 115 volt, 60 cycle a.c. line. Tests electrolytic as well as paper condensers. Ranges:

full scale value — 20; 2; 0.2; 0.02 microfarad; reads down to 0.0001 mid. Line voltage adjuster knob is provided to permit accurate measurements to be made on any a.c. 60 cycle line. 50" test prods and cords are provided. Is equipped with internal transformer to insulate the instrument from line.

**W21530** — **Your Cost** **\$22.50**

## WESTON Model 564-3C Volt Ohmmeter



A small compact Volt Ohmmeter with ranges of 0-3, 30, 300, 600 volts, and resistance ranges of 1000; 100,000 and 1,000,000 ohms. Supplied with self-contained battery and 50" test leads. A control is provided to compensate for drop in battery voltage. Two toggle switches select ohmmeter ranges and change circuit for voltage or resistance measurements. Shpg. wt. 3 lbs. Type 3C — bakelite case 5½x3½x3".

**W10554** — List Price \$37.60.  
**Your Cost** **\$28.13**

## WESTON Model 695-3A Power Level & Voltmeter



Designed for power level measurement work in servicing all types of sound equipment and radio receivers where readings are desired in decibels. Designed for 500 ohm line — chart gives corrections for loads from 5 to 50,000 ohms. Voltmeter — 2,667 ohms-per-volt — ranges 1.5; 6; 15; 60 and 150 read directly on the voltmeter scale; instrument is a medium speed type. Decibel ranges — 8; -4; 0; +4; +8; +12; +20; +24; +28 and +32, above or below 6 milliwatts.

**W21531** — Shpg. wt. 6 lbs.  
**Your Cost** **\$27.00**

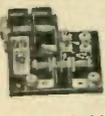
## WESTON Photronic Cell



Current varies with light intensity from 1 microampere on 1 foot candle to approximately 5 milliamperes in daylight. Bakelite case 2½" in diameter and 1"

thick. Has multitude of uses for research, photography, relay work, etc., etc. Shpg. wt. 1 lb.  
**W14139** — **Your Cost Each** **\$7.50**

## PESE Photo Cell and Supersensitive Relay



A photo-conductive cell that varies its resistance from dark to bright light at a ratio of approx. 18 to 1. Will pass 150 microamperes at 90 volts. This is sufficient current to operate moving-coil relays without amplification. Relay is sensitive enough to operate with as little as 1 milliampere. Secondary contacts will handle up to 10 ohms d.c. resistance. Complete instructions. Shpg. wt. 2 lbs.

**W14187** — Photo Cell — **Your Cost** **\$1.50**  
**W14188** — Relay — **Your Cost** **3.00**  
**W14186** — Drilled panel and chassis for above **.75**

## TACO Resonance Indicator



An all purpose test instrument utilizing the 6E5 tube. Circuit employs two 6H6 metal tubes, one as plate supply, the other as linear diode detector. Can be used to align r.f. and i.f. stages.

**W10900** — Less tubes **\$6.76**  
**Your Cost**

## EBY ELECTRIC EYE AND SENSITIVE RELAY



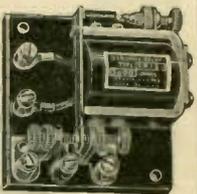
The model E-12 photo-cell consists essentially of 2 metal electrodes hermetically sealed in Bakelite between which a light-sensitive material is exposed to incident light rays, behind a glass window. The cell is unaffected by continuous exposure to light. It reacts both to the intensity and frequency of incident light rays. Entirely electronic in action, its operation depends upon the light sensitive material to emit the electrons which are proportional in number to the incident light rays striking the cell. It is 1.35" long and 1¼" in diameter; maximum voltage 250, recommended 150; maximum current, 200 microamperes; window area, .11 square inches; sensitive to both visible and invisible light; fits standard four-prong socket; performs functions accurately completed in one ten-thousandth of a second. Shpg. wt. 2 lbs.

**W14170** — **Your Cost** **\$3.25**

## Model ER-12 Relay

The ER-12 relay is designed for direct current (and full- or half-wave rectified current) control circuits where the available power for operation is relatively small. Its low power consumption for positive operation makes it ideal for installation in photo-electric control equipment, vacuum-tube amplifier circuits and to protect delicate contacts of sensitive control instruments. Standard value of coil resistance is 1000 ohms; 2500, 5000 and 10,000 ohms are available on order. Rated at 11.25 milliwatts — can be operated on as little as 1.25. Sterling silver contacts carry 2.5 amperes at 115 volts a.c., or 1.5 amperes, 115 volts, d.c. Switch is single-pole double-throw. Shpg. wt. 2 lbs.

**W14171** — **Your Cost** **\$4.23**



## EXPERIMENTAL KIT

Designed for home or workshop experimentation. Can be used in opening doors, making burglar alarms, counting, controlling, lighting, and in literally hundreds of other applications. Kit includes: Eby E-12 Electric Eye, tube and eye sockets, relay, resistors, condensers, twin binding posts.

**W14185** — With literature. **Your Cost Complete** **\$9.75**



# Keep Your Testers and Sets Up-To-Date

## Latest ANALYZER PLUGS and ADAPTERS

### Adapters for Testing All-Metal and Octal-Base Glass Tubes



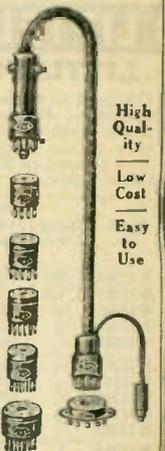
These adapters are recommended for checking the complete series of metal and metal-glass tubes. In addition a series of adapters are presented for checking metal and metal-glass tubes in tube checkers of the earlier types which have no provision for the octal base tubes. By inserting them in the sockets of other types designated, the desired tests are made. Each adapter is identified by a colored dot as indicated below.

**W11737**—For testing 5Z4, 5Y3 and 5W4 in 80 type socket—red dot.  
**W11752**—For testing 6C5, 6D5 in 41 socket; 6L6, 6F6 in 42; 25A6 in 43; 6B6, 6Q7 in 75; 6J7 in 77; 6K7, 6A8, 6L7 in 78; and 6R7 in 85 socket of tester—blue dot.  
**W11756**—For testing 6H6 in 85 socket.  
**W11779**—For testing 6C5 in 37 socket; 6X5 in 84 socket—brown dot.  
**W11780**—For testing 25Z6 in 25Z5 socket—two red dots.  
**Your Cost Each, Any of the Above.....** **58¢**

**W11747**—For testing 6N7 in 6A6 socket—violet dot.  
**W11753**—For testing 6A8 in 6A7 socket—white dot.  
**W11754**—For testing 6F5 in 75 socket—yellow dot.  
**W11781**—For testing 6P7 in 6P7 socket—two green dots.  
**Your Cost Each, Any Above Type.....** **58¢**  
**W11757**—For testing 6A8, 6C5, 6D5, 6F6, 6J7, 6L7 in 36 socket—orange dot.  
**Your Cost.....** **73¢**  
**W11755**—For testing 6H6 in 6P7 socket—green dot.  
**Your Cost.....** **\$1.18**

### Nine-Wire Analyzer Plug and Associate Adapters

New 9-wire Lock-tite octal base plug permits modernization of analyzers to work with all metal tube and all glass tube sets. Adapters fit individual tube sockets of different sizes and number of connections. Plug is locking type. Ideal for those who are building modern test instruments.



High Quality  
Low Cost  
Easy to Use

#### ANALYZER ADAPTERS ONLY

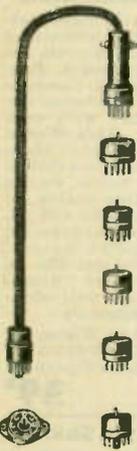
Stock No.	Type	Stock No.	Type
W11493	8 to 4	W11496	8 to 7 (small)
W11494	8 to 5	W11497	8 to 7 (large)
W11495	8 to 6		

**Your Cost Each.....** **58¢**  
**W11498**—Analyzer Plug Only. **\$1.03**  
**Your Cost.....** **\$2.94**  
**W11492**—Analyzer plug wired to 5 ft., 9 wire cable and 8 prong cable plug at other end. **\$2.94**  
**Your Cost.....** **\$5.88**

#### COMPLETE PLUG AND ADAPTER KIT

**W11499**—Plug with 5 ft. 9 wire cable, grid plug, 8-prong socket for analyzer and adapters, complete—as shown at right. **\$5.88**  
**Your Cost.....** **\$5.88**

### Lock-On Small-7 Analyzer Plug and Adapters for Glass and Metal Tubes



A complete cable, plug and adapter kit for modernizing old analyzers or building new ones. Will test all-metal and glass tube sets. Analyzer plug is small 7-prong. Terminal plug and socket are of 8-prong octal type. 5 ft. attached cable provided and five associate adapters. Shpg. wt. 1 lb.

**W11637**—Complete Kit with attached 5 ft. cable, five adapters and plugs as shown. **Your Cost.....** **\$3.81**  
**W11638**—Analyzer plug only, no cable. **Your Cost.....** **88¢**  
**W11639**—Octal cable plug only. **Your Cost.....** **44¢**  
**W13080**—Octal socket only, for above. **Your Cost.....** **23¢**

**W11645**—Analyzer plug and attached cable, no cable-plug or socket. **Your Cost.....** **\$1.45**

#### LOCK-ON ADAPTERS

W11614	Sm. 7 to 4	Your Cost
W11613	Sm. 7 to 6	44¢
W11612	Sm. 7 to 6	
W11646	Sm. 7 to 7	

#### Adapters for Blocked Octal Sockets

For use with above analyzer plug.  
**W11763**—Small 7 to 8-prong octal base.  
**W11765**—Small 7 to 5-prong octal, for testing 5Z4, 5Y3, 5W4 tube circuits.  
**W11798**—Small 7 to 5-prong octal, for testing 6F5 tube circuits.  
**W11799**—Small 7 to 6-prong octal, for testing 6F5 tube circuits.  
**W11767**—Small 7 to 7-prong octal, for testing 6F6, 6J7, 6K7, etc., tube circuits. **Your Cost Each.....** **59¢**

### Headphone-Speaker Switching Adapter

Toggle switch disconnects speaker when phones are in use. Works with any set with 4, 5, 6 and 8 (octal) prong output tubes. Provided with three feet of cable connected to the box which has a d.p.d.t. toggle switch. Phones are automatically connected in the grid circuit. Takes only a minute to install. No rewiring needed. Shipping weight 2 lbs.



For Single Output (Uses One Adapter)		Push-Pull Output (Uses Two Adapters)	
Stock No.	Prongs	Stock No.	Prongs
W11720	4	W11723	4
W11721	5	W11724	5
W11722	6	W11725	6
W11743	8 octal	W11744	8 octal

**Your Cost Each.....** **1.45** **Your Cost Each.....** **1.63**

### Metal Tube Socket Adapters



For use with the 9-wire plug listed above, as well as for troubleshooting on all receivers with octal base tubes in which all 8 holes are not punched out on sockets. Uses the R.M.A. numbering system for point-to-point measurements.

**W11782**—8 hole top on 5-prong octal base to test 5Z4, 5Y3, 5W4 tubes.  
**W11783**—8 hole top on 5-prong octal base to test 6F5 tube.  
**W11784**—8 hole top on 6-prong octal base to test 6C5 tube.  
**W11785**—8 hole top on 7-prong octal base to test 6F6, 6H6, 6J7 and 6L7 tubes. **Your Cost Each.....** **58¢**

### Metal Tube Adapters for Modernizing Sets

These adapters afford the simplest, most convenient method of modernizing receivers without the troublesome procedure of replacing sockets and rewiring the chassis. Merely place the new metal tube in the proper adapter and insert the adapter in the socket previously occupied by the old type tube.  
**W11786**—4-prong adapter for replacing 80 with 5Z4 or 5Y3.  
**W11787**—5-prong adapter for replacing 6Z4 and 84 with 6X5; 37, 76 with 6C5.  
**W11788**—6-prong adapter for replacing 6C6, 77 with 6J7; 6D6, 78 with 6K7; 42 with 6F6; 43 with 25A6; 43MG; 75 with 6B6, 6Q7; 85 with 6R7.  
**W11789**—6-prong adapter, color coded red, for replacing 75 with 6F5.  
**W11790**—6-prong adapter, colored orange, for replacing 25Z5 with 25Z6, 25Z6MG.  
**W11791**—Large 7-prong, for replacing 6A6 with 6N7.  
**W11792**—Small 7-prong adapter for replacing 6A7 with 6A8.  
**W11793**—Small 7-prong, colored red, for replacing 6P7 with 6P7.  
**Your Cost Each, Any Type.....** **29¢**

### Universal Tube Checker Adapter for Metal Tubes



This one unit will permit any tube checker to test all the metal as well as the octal-glass tubes. Two toggle switches allows both plates of rectifier tubes and both sections of "twin" tubes to be tested. Will test:—5Y3, 5Z4, 6A8, 6A8-G, 6B6, 6C5, 6C5-G, 6D5, 6D5-G, 6F5, 6F5-G, 6F6, 6F6-G, 6H6, 6H6-G, 6J7, 6J7-G, 6K7, 6K7-G, 6L7, 6L7-G, 6N7 and 6N7-G. Etched metal plate on top of unit affords permanent instructions. Shpg. wt. 4 lbs. **Your Cost.....** **\$3.82**

**W11760**—Your Cost..... **18¢**

### Universal Output Meter Adapter

Contacts plate prong of tube for connecting output meter, etc. Fully insulated 50" lead; phone tip end.  
**W11603**—Your Cost..... **18¢**

### Small-7 Analyzer Plug and Adapters

Analyzer plug is 7-prong small, with dual grid cap for glass and metal tubes. 5 ft. 8-wire cable attached. 5 associate adapters including octal. Shpg. wt. 2 lbs.

**W11775**—Plug, dual grid cap and attached cable. **Your Cost.....** **\$1.38**  
**W11768**—Plug, less cable and grid cap. **Your Cost.....** **44¢**  
**Associate Adapters**  

Stock No.	Type
W11769	Sm. 7 to 4
W11770	Sm. 7 to 5
W11771	Sm. 7 to 6
W11772	Sm. 7 to 7

**Your Cost Each.....** **29¢**  
**W11773**—Sm. 7 to octal. **Your Cost.....** **59¢**  
**W11774**—Complete Kit, cable attached, all adapters, etc. **Your Cost.....** **\$3.15**

**Adapters for Blocked Octal Sockets**  
All adapters have small 7-hole tops and octal bases for blocked sockets.  
**W11794**—7-prong octal  
**W11795**—6-prong octal  
**W11796**—5 (5Z4)-octal  
**W11797**—5 (6F5)-octal  
**Your Cost Each.....** **59¢**

### Tube Adapters

**W11593**—Replaces Kellogg overhead heater type tubes with type 27. **Your Cost.....** **44¢**  
**W11594**—For using UX 2-volt tubes in old UV type sockets. **Your Cost.....** **21¢**  
**W11618**—For using 59 instead of 47 tubes. **Your Cost.....** **44¢**  
**W11628**—For using 82 instead of 80 tube. **Your Cost.....** **44¢**  
**W11629**—For using newer type 59 instead of type 45 power tubes. **Your Cost.....** **44¢**  
**W11641**—For using later type 2A5 pentode instead of older type 47. **Your Cost.....** **44¢**  
**W11642**—For using newer type 2A5 pentode tube instead of the 45 triode. **Your Cost.....** **44¢**

### Grid-Cap Phonograph Adapter

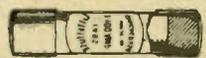
Ideal for connecting phonopickups to the grid of detector or 1st a.f. tube. Has convenient clips.  
**W11643**—For glass tubes.  
**W11644**—For metal tubes. **Your Cost.....** **28¢**

# FUSES and METER ACCESSORIES

## LITTELFUSE Products

### LITTLEFUSES for Test Instruments

Designed to protect delicate test instruments. Dependable and accurate. Break circuit immediately on reaching blow point. Length 1", diam. 1/8". May be used on 250 volts, a.c. or d.c. Millimeter protection rating, shown below, for magnetic type meter movements.



Stock No.	Rating Amps.	Max. Load Ma.	Res. On 5 Ma. Load	Your Cost Each	Your Cost Doz.	V-M Ohms Per V.	To Protect Milliameters
W12339	1/200	5	500 ohms	<b>12¢</b>	<b>\$1.32</b>	over 1000	Galv.
W12385	1/100	10	110 "			1000	up to 0-1
W12386	1/50	25	20 "			500-1000	1-10
W12387	1/25	60	5 "			100-500	10-25
W12388	1/10	100	3 "	<b>9¢</b>	<b>\$1.00</b>	20-100	25-75
W12389	1/5	100	1.5 "			30-100	25-75
W12390	1/2	200	6.2 "			10-20	75-150
W12391	1/1	300	3.0 "			5-10	150-250
W12392	1/2	400	2.5 "	<b>6¢</b>	<b>65¢</b>	3-5	250-350
W12393	1/1	600	.4 "				350-500
W12394	1	1000	.24 "			500-7500	
W12395	2	2000	.14 "			1000-1500	

### High Voltage Littlefuses



Fuse wire blows each 1/2" of its length. Blow at 50% above rating.

1000 Volt Stock No.	Your Cost	5000 Volt Stock No.	Your Cost
W12350	24c	W12360	42c
W12351	21c	W12361	42c
W12352	21c	W12362	39c
W12353	21c	W12363	39c
W12354	21c	W12364	39c
W12355	24c	W12365	45c
W12356	24c	W12366	45c
W12357	24c	W12367	45c
W12358	24c	W12368	45c

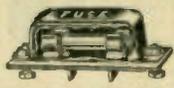
### LITTLEFUSES for Radio Sets and Amplifiers

Approved by the Underwriters. Protect equipment. 1 1/4 x 1/4". Your Cost Ooz.

Stock No.	Amp. V.	Your Cost
W12378	1 250	<b>5¢</b>
W12379	1 1/2 250	
W12380	2 250	<b>9¢</b>
W12381	3 250	
W12386	1/2 500	<b>\$1.00</b>
W12397	1/2 500	
W12398	500	
W12399	500	

### Shielded Fuse Mounting

Approved by the Underwriters. Fully shielded by a metal cover. Complete with mounting screws. For standard radio fuses. 2 1/2 x 3/4 x 3/4".



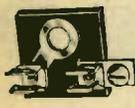
W12325—Your Cost... **12¢**

### Bakelite Fuse Mounts

Molded Bakelite bases. Plated fuse clips are slotted—grip fuse firmly. Easy to mount.

### 'Meter-Back' Mounting

Mounts directly on any meter terminal. Will not touch the other posts. W11049—Your Cost... **12¢**



### Panel Type

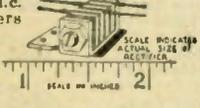
Base size 1 1/8 x 3/8 x 1/8". Take the 1" Littlefuses (instrument type). W12383—Your Cost... **9¢**  
For standard 1 1/4" radio fuses. W12324—Your Cost... **8c**

### Sub-Panel Type

Have 1" studs having 6-32 thread. For 1" instrument type fuses only. W12382—Your Cost... **12¢**  
For standard 1 1/4" radio fuses. W12327—Your Cost... **9c**

### Copper Oxide Rectifier

Converts d.c. milliameters of 15 ma. or less to a.c. milliameters. With proper resistors can measure up to 1000 volts. Only 1/2 x 3/8". Instructions furnished for all changeovers and new instruments. W10570—Your Cost... **\$2.95**



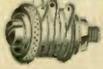
### Copper Oxide Rectifiers

Miniature type, 1/4" square. For d.c. meters drawing less than 5 ma. W10566—Your Cost... **\$2.15**



### 20 Ma. Capacity

Circular type, 3/4" long by 1/4" diam. Lug terminals. W10567—Your Cost... **\$1.88**



### 50 Ma. Capacity

1 1/2" long, 3/8" diameter. Maximum voltage, 600. W10568—Your Cost... **\$1.75**

### Radio and Auto Fuses

Available in 1, 2, 3, 4, 5, 6, 8, 10, 15, 20, 25, 30 amp. sizes. Specify size desired. W13189—Tin of 5 (any one size). Your Cost... **14¢**



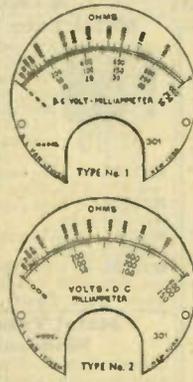
## Continental Carbon Multiplier Resistors



Popular sizes of resistors for use as meter range multipliers. 1-watt, semi-precision. Tolerance 5%; average units within 2% of rating. Resistors marked with an asterisk indicate units which allow for the 50 ohm internal resistance of the meter. When used with 0.5 ma. meters, divide volt range by two.

Stock No.	Res. Ohms	Volts	Stock No.	Res. Ohms	Volts	Stock No.	Res. Ohms	Volts
W12286	1450	1.5*	W12298	10000	10	W12310	200000	200
W12287	2950	3*	W12299	13500	13.5	W12311	250000	250
W12288	3500	3.5	W12300	15000	15	W12312	300000	300
W12289	4450	4.5*	W12301	25000	25	W12313	450000	450
W12290	4950	5*	W12302	30000	30	W12314	500000	500
W12291	5000	5	W12303	50000	50	W12315	600000	600
W12292	5500	5.5	W12304	60000	60	W12316	750000	750
W12293	5950	6*	W12305	75000	75	W12317	800000	800
W12294	7450	7.5*	W12306	85000	85	W12318	900000	900
W12295	8500	8.5	W12307	90000	90	W12319	1 Meg.	1000
W12296	8950	9*	W12308	100000	100			
W12297	9950	10*	W12309	150000	150			

## VAN Meter Accessories



### VAN Silvered Metal Etched Metal Dials

Heavily plated metal dials with etched black numerals. Accurate scales. Easy to install. Complete circuit diagram furnished with each dial. Only Weston and Triplett scales are shown in the listing below; we can supply scales for Jewell 88 and 54, Beede 701 and other popular meters. Scales can also be used for 'home-built' volt-ohm-milliameters.

W10953—No. 1 Dial for Weston 301  
W10954—No. 1 Dial for Triplett 321  
W10955—No. 2 Dial for Weston 301  
W10956—No. 2 Dial for Triplett 321  
W10957—No. 4 Dial for Weston 301  
W10958—No. 4 Dial for Triplett 321  
W10959—No. 3X Dial for Weston 301  
Your Cost Each, Any of the above Dials... **39¢**

### VAN MULTIPLIERS



New type carbon element multipliers. Adjusted on a bridge to 2% accuracy. Affected only by extreme temperature changes. Pigtail type. Overall size: 1 1/2 x 3/4".  
Stock Resist. Stock Resist.  
No. Ohms No. Ohms  
W10937 3000 W10932 100000  
W10926 5000 W10945 150000  
W10927 10000 W10934 250000  
W10939 30000 W10974 300000  
W10928 40000 W10935 500000  
W10930 50000  
Your Cost Each Any Size... **36¢**

### VAN Multiple Shunts For 27 Mv. Meters



Stock No.	Ma.	Stock No.	Ma.
W10910	5	W10913	60
W10911	10	W10914	100
W10912	25	W10915	500

**FOR 30 MILLIVOLT METERS**  
W10960 5 W10963 50  
W10961 10 W10964 100  
W10962 25 W10965 500

**FOR 50 MILLIVOLT METERS**  
W10918 5 W10921 50  
W10919 10 W10922 100  
W10920 25 W10923 500

**FOR 100 MILLIVOLT METERS**  
W10985 5 W10988 50  
W10986 10 W10989 100  
W10987 25 W10990 500  
Your Cost Each, Any of the Above Type... **88¢**

### Manganin Resistance Wire

24 and 28 gauge manganin wire is bare, no insulation. For use in heavy duty instruments and industrial application. Other sizes have enamel insulation, and are for making multipliers and shunts. Practically zero temperature coefficient. Resistance 290 ohms per cir. mil ft.



Stock No.	Gauge	B & S	per Ft.	per Roll	Your Cost
W10966	24	.725	25	33c	
W10967	28	1.82	25	23c	
W10968	30	2.89	25	23c	
W10969	32	4.53	50	33c	
W10970	34	7.30	50	33c	
W10971	36	11.59	50	33c	

### Series Tapped Shunts

W10916—For 1 ma. millivolt meters. Tapped 10-100 milliamperes. W10902—For 1 ma., 50 millivolt meters. Tapped 10-100 ma. Your Cost Each, Either of the Above Type... **\$1.47**



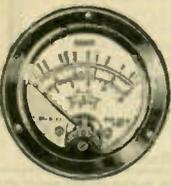
W10924—For 50 millivolt meters. Tapped 5-25-100 ma. Your Cost Each... **\$1.76**

W10991—For 50 millivolt meters. Tapped 10-25-100-500 ma. No switch required. Your Cost Each... **\$2.06**



# PRECISION PANEL METERS

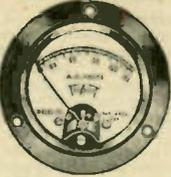
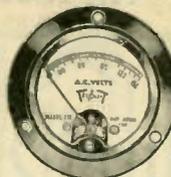
**TRIPOLET Universal 3" A.C.-D.C. Meter**



Uses copper oxide rectifier in advanced circuit; low losses due to rectification. Using multipliers, scales are: 0-15-160-750 volts a.c., or d.c., at 1000 ohms per volt, 0-15-150 d.c., ma., 0-1500 ohms, 0-1.5 megohms. Accuracy on d.c. 2%, on a.c., 5%. With D.P.D.T. switch for a.c. to d.c. change.

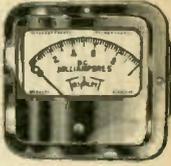
**W11291—List \$15.00**  
**Your Cost \$9.80**

**TRIPOLET PANEL TYPE PRECISION METERS**

Incorporate precision engineering, the finest materials and workmanship. Bakelite cases, all terminals molded in, sapphire jewels in adjustable screws. Accuracy within 2%. Models 321 and 331 are 3 1/2" diameter (flange), models 231 and 221, 2 1/2".

**TRIPOLET "SQUARE" METERS**



This new meter is attractive, easy to read and highly efficient. Fits 2 3/4" hole. In Bakelite case 4x4 1/2 x 1 1/2" deep. Has 3 1/4" long scale. Voltmeter is 1000 ohm/volt type. Models 421 D.C.

**TRIPOLET 321 & 221 0-1 MA. D.C. Meters**



Both are the flush type Bakelite cases. Flange diameters are, model 321—3 1/4", model 221—2 1/4". Approximate resistance 33 ohms. D'Arsonval movements with sapphire bearings. Accuracy within 2%.

**W11200—Model 321**  
**Your Cost Each \$4.55**

**W11208—Model 221**  
**Your Cost Each \$3.75**

**D.C. VOLTMETERS Model 321—1000 Ohms/Volt**

Stock No.	Range	List	Your Cost
W11240	0-10	\$ 8.25	\$5.39
W11241	0-50	8.25	
W11242	0-100	8.75	\$5.71
W11243	0-150	8.75	
W11244	0-500	11.00	7.18
W11245	0-1000	16.00	10.45

**A.C. VOLTMETERS**

Model 331		Model 231	
Stock No.	Your Cost	Range Volts	Stock No. Your Cost
W11402		0-3	W11403
W11273		0-5	W11280
W11274	\$3.75	0-10	W11281
W11275		0-15	W11282
W11276	\$3.75	0-25	W11283
W11277		0-50	W11284
W11279	4.55	0-150	W11286
W11406	5.39	0-300	W11409
W11407	10.45	0-1000	W11410
W11408	6.05	0-15-150	

**D.C. VOLTMETERS 125 Ohms per Volt**

Model 321		Model 221	
Stock No.	Your Cost	Range Volts	Stock No. Your Cost
W11230		0-5	W11247
W11231	\$3.75	0-10	W11248
W11232		0-15	W11249
W11233		0-25	W11250
W11234	\$3.75	0-50	W11251
W11236		0-150	W11253
W11237	4.53	0-250	W11254
W11404	6.04	0-500	W11405

**A.C. MILLIAMMETERS**

Model 331		Model 231	
Stock No.	Your Cost	Range Ma.	Stock No. Your Cost
W11419		0-10	W11420
W11265	\$3.75	0-15	W11269
W11266		0-25	W11270
W11267		0-50	W11271
W11268	\$3.75	0-100	W11272
W11421		0-250	W11423
W11422		0-500	W11424

**D.C. VOLTMETERS**

No.	Range	List	Net
W11372	0-5	\$ 9.75	\$6.37
W11373	0-10	9.75	
W11374	0-50	9.75	\$6.37
W11375	0-100	9.75	
W11376	0-150	10.00	6.54
W11377	0-300	11.50	7.50
W11378	0-750	16.00	10.45

**D.C. MILLIAMMETERS**

No.	Range	List	Net
W11379	0-1	\$9.00	\$5.88
W11380	0-5	7.50	
W11381	0-10	7.50	\$4.90
W11382	0-50	7.50	
W11383	0-100	7.50	\$4.90
W11384	0-250	7.50	
W11385	0-500	7.50	

**MICROAMMETERS**

No.	Range	List	Net
W11386	0-200	14.00	9.14
W11387	0-500	10.75	7.02

**Model 321 Combination Volt-Ohm-Milliammeter**

**W11438—3" Bakelite case; 100 ohms internal resistance. Scales read: 30-300-600 volts, 30-300 ma., 100,000 ohms. With diagram.**

**W11442—As above but with scales reading: 10-50-250-500 volts, 10-50-250-500 ma., 100,000 ohms. Complete with diagrams.**

**Your Cost Each, \$4.90**  
Either Type.

**D.C. MILLIAMMETERS**

Model 321		Model 221	
Stock No.	Your Cost	Range Ma.	Stock No. Your Cost
W11200		0-1	W11208
W11201	\$4.55	0-1.5	W11209
W11411		0-3	W11415
W11412	\$3.75	0-5	W11416
W11202		0-10	W11210
W11203	\$3.75	0-15	W11211
W11394		0-25	W11398
W11204		0-50	W11212
W11205	\$3.75	0-100	W11213
W11413		0-150	W11417
W11206		0-200	W11214
W11414	\$3.75	0-250	W11418
W11207		0-500	W11215
W11396	\$3.75	0-750	W11400
W11397		0-1000	W11401

**A.C. AMMETERS**

Model 331		Model 231	
Stock No.	Your Cost	Range Amps.	Stock No. Your Cost
W11255	\$3.75	0-1	W11260
W11256		0-3	W11261
W11257	\$3.75	0-5	W11262
W11258		0-10	W11263
W11259	\$4.47	0-25	W11264
W11429		0-30	3.75

**WESTON MODEL 301 A.C.-D.C. METER**



Rectifier type. Used with external shunts and multipliers. Moving coil unit with self-contained rectifier. Alone reads 5 volts and 1 ma., a.c., and 50 millivolts and 1 ma., d.c.

**W10774—Your Cost \$13.97**

**BEEDE FAN TYPE FOUNDATION METER**



Has large fan type scale, knife edge pointer. Panel opening required, 2 1/4" diameter.

**length 1 1/4", overall depth 1 1/2", height 3 3/4"; black molded Bakelite case. Internal resistance is 50 ohms; 1-milliampere movement. Scale reads 0-5-250-750 volts, d.c., 0-2000 ohms. The resistance scale may be used to read up to 200,000 ohms or 1 megohm using suitable external resistors. Shpg. wt. 2 lbs.**

**W11172—Your Cost Each \$4.41**

**D.C. AMMETERS**

Model 321		Model 221	
Stock No.	Your Cost	Range Amps.	Stock No. Your Cost
W11216		0-1	W11223
W11217	\$3.75	0-5	W11224
W11215		0-10	W11225

**D.C. MICROAMMETERS**

Model 321		Model 221	
Stock No.	Your Cost	Range Micro-Amps.	Stock No. Your Cost
W11434	\$7.84	0-200	W11432
W11435	6.04	0-500	W11433

**FOUNDATION 0-1 MA. METER**

1 ma., at 50 millivolts. Reads 50-250-1000 volts; 100,000 ohms. Less resistors.

**W10772—Your Cost \$7.35**

**0-1 D.C. MA. METER**

Type 301, 3", flush mounting.

**W10675—Your Cost \$7.35**

**2" 0-1 Milliammeter**

Type 506, 2", flush mounting.

**W10817—Your Cost \$6.25**

**D.C. AMMETERS**

Model 341, 3"		Model 241, 2"	
Stock No.	Your Cost	Range Amps.	Stock No. Your Cost
W11391		1.0	W11425
W11392	\$10.45	2.5	W11426
W11393		5.0	W11427

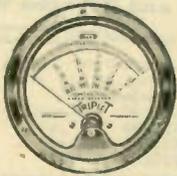
**Thermo-Couple Type Radiation Ammeters**

Model 341, 3"		Model 241, 2"	
Stock No.	Your Cost	Range Amps.	Stock No. Your Cost
W11391		1.0	W11425
W11392	\$10.45	2.5	W11426
W11393		5.0	W11427

**WESTON MODEL 301's D.C. MILLIAMMETERS**

No.	Range	List	Net
W10675	0-1	\$10.00	\$7.35
W10679	0-5	9.00	
W10680	0-10	9.00	\$6.61
W10681	0-15	9.00	
W10685	0-50	9.00	\$6.61
W10686	0-100	9.00	
W10688	0-200	9.00	\$6.61
W10691	0-500	9.00	

**TRIPOLET NEW "GIANT" 5 1/4" FOUNDATION VOLT-OHM-MILLIAMMETER**



Molded Bakelite case with 5 1/4" flange diameter. Easily read at a distance. 0-1 ma., movement with 100-ohm internal resistance; any ranges can be assembled to suit your requirements. Model 521 has d.c. scales: 10-50-250-500 volts, 10-50-250 ma., and 0-100,000 ohms. Accuracy is guaranteed within 2%. Shunts and accessories listed below are those most in demand to make up a complete servicing volt-ohm-milliammeter for bench or portable use. Shpg. wt. 5 lbs.

**W11297—Model 521 meter only. Your Cost \$6.86**

**BEEDE PANEL D.C. MILLIAMMETERS**

D'Arsonval movements accurate within 2%. Sapphire bearings, zero adjustment, aluminum pointer and attractive flush-mounting case. Highly efficient and compact.

**Model 701 3 1/4" Metal Case**

Stock No.	Range	Your Cost
W11174	0-1	\$3.53
W11175	0-10	
W11176	0-200	\$2.79
W11177	0-500	

**Model 311 3 1/4" Bakelite Case**

Stock No.	Range	Your Cost
W11176	0-1	\$3.82
W11179	0-10	
W11180	0-100	\$3.09
W11181	0-200	

**SHUNTS, RESISTORS AND ACCESSORIES**

W11443—Bakelite-mounted resistors for volts.	\$5.70
W11444—Bakelite-mounted shunts for milliamps.	3.26
W11445—Limiting resistor for 100,000 ohms.	.65
W11301—Zero adjuster with knob for 100,000 ohms.	.65
W11302—Resistor to read to 1,000 volts (unmounted).	2.30
W11303—Limiting resistor with zero adjuster and knob, to read .5 to 500 ohms (15 ohms at center of scale)	1.71
W11304—A.C. adapter for output measurements.	3.43
W11305—Two-deck selector switch with knob.	1.63

**D.C. VOLTMETERS**

No.	Range	List	Net
W10607	0-10	9.00	
W10608	0-15	9.00	\$6.61
W10615	0-150	11.25	8.27

**MICRO-AMMETERS**

W10701	0-200	14.25	\$10.48
W10702	0-500	14.25	

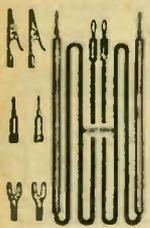
**A.C. VOLTMETERS Model 476—3 1/4" Diameter**

Stock No.	Approx. Volts	Ohms / Volt	Your Cost
W10752	15	14	\$6.61
W10758	150	105	8.27

**RELIABLE EQUIPMENT AT REASONABLE PRICES**

# BEST PRODS and ALIGNING TOOLS

## TEST PROD KIT



Spring prongs at the end of prods allow changing from spade lugs to phone tips or to spring clips. Handles are 6" long, 1/4" diameter. Needle point phone tips for piercing insulated wire. Five foot red and black kinkless wire. Complete with two alligator clips, two needle point phone tips and two tapered lugs.

**W12971—Your Cost..... 75¢**

Similar to above, but without interchangeable feature—fixed ends.

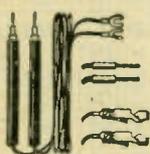
**W12882—Alligator clips..... 49¢**

**W12883—Phone tips..... 40¢**

**Your Cost per Set..... 40¢**

## Laboratory Test Prods

Improved type. Bronze tip with needle point and heavy body. Double purpose—needle prod and phone tip prod. Heavy 5" long handles. Five foot red and black kinkless leads.



**W12978—With spade tips..... 42¢**

**W12979—Phone tips..... 53¢**

**Your Cost, Either..... 42¢**

**W12980—Spring clips..... 53¢**

**Your Cost Each..... 53¢**

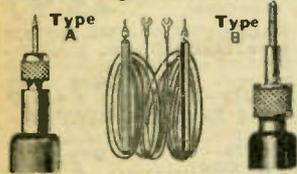
## TEST LEAD BARGAIN!



37-inch test leads equipped with phone tips at one end and 3-inch insulated prods at the other. Flexible leads; both leads and prods are colored red and black.

**W12989—Your Cost..... 18¢**

## Needle and Solderless Tip Solder



Chucks and nuts hold plain phonograph needles; easily changed when broken (type A). Fibre handles 4" long, 3/8" diameter, in red and black with red and black kinkless wire. Type B is a solderless tip equipped with long point.

## PHONO NEEDLE TIP PRODS

Stock No. Wire Ends Your Cost

**W12976 Phone Tips..... 29¢**

**W12975 Spade Lugs..... 36¢**

**W12977 Alligator..... 36¢**

## SOLDERLESS TIP PRODS

**W12968 Phone Tips..... 25¢**

**W12969 Spade Lugs..... 35¢**

**W12970 Alligator..... 35¢**

## Kinkless Rubber Wire

Will not kink or knot. Heavy-duty 3/4" abrasion-proof rubber wall; contains 65 strands of tinned copper wire. Red or black. Specify color.

**W16150—25-ft. coil..... 35¢**

**W16151—100-ft. coil..... \$1.30**

**Your Cost..... \$1.30**

## Insulated Screw Driver

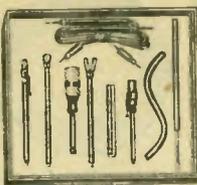


1" diameter Bakelite knob

on 1/2" rod, 3 3/4" long. Has steel screwdriver nib.

**W15087—Your Cost..... 23¢**

## TRUATEST ALIGNMENT TOOL KIT



Complete kit for aligning all circuits of all types of receivers. Includes pair of kinkless-wire test prods, flexible tuning wand, alligator-jaw wrench and driver, 6" insulated alignment screwdriver, 9" balancing screwdriver with 1/2" insulated socket head, a 3-in-1 neutralizing tool (nesting type—a screwdriver with a 3/8" and a 1/4" socket head), and a metal-tube set trimmer for the new receivers. All are packed in an attractive carton. Shpg. wt. 4 lbs.

**W15090—Alignment Kit..... \$2.75**

**Your Cost, Complete..... \$2.75**

## NEUTRALIZING TOOL



Has pen clip for pocket. 1/2" nut wrench with key slot, and aligning screwdriver.

**W14915—Your Cost..... 28¢**

## 5-IN-1 ALIGNER KIT

Combines in a fountain size tool, 1/4" and 3/8" nut wrenches, miniature blade screwdriver for all aligning and a full-size insulated handle screwdriver.

**W15082—Your Cost..... 70¢**

## SERVICEMEN'S ALIGNING KIT

For all alignments on any type of receiver. Contains alligator side wrench, 6" insulated screwdriver—metal nib, 3/8" and 1/2" nut wrench, 1/4" square nut insulated wrench, 1/4" hexagon metal side wrench, 2 1/2" insulated screwdriver with metal nib, 1/4" hexagon slotted insulated wrench screwdriver, 3/8" hexagon insulated nut wrench, 5" insulated screwdriver and a 6" insulated screwdriver. All units are contained in a sturdy pocket pouch ideal for the traveling serviceman.

**W15089—Your Cost, Complete..... \$2.35**



## Attachments for Tools

Screw on aligning tools having threads as found on aligner No. 14915 described above.

## Balnaut for Majestic Receivers



Overall 2 1/2" long. Has screwdriver and offset socket for 1/2" hex nuts that extends tool handle 1 1/2".

**W15085—Your Cost Each..... 23¢**

## FOR CROSLY RECEIVERS

Extends tool 1 1/2". Has socket in end for 1/4" square nuts.

**W15086—Your Cost..... 10¢**

## FOR MAJESTIC RECEIVERS

Similar to W15086 above, but has hex socket.

**W15084—Your Cost..... 10¢**

## Alligator Neutralizing Wrench-Screwdriver



Wrench with 3/8" opening. Securely fastened to extra strong high insulation rod size 1/4"x4 1/4". Hardened steel screwdriver blade.

**W14921—Your Cost..... 24¢**

## Aligning Screwdriver and Hexagon Wrench



A screwdriver and 1/4" hexagonal opening on the other end. Steel blade length 2".

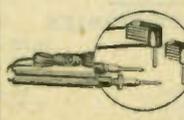
**Stock No. Length Your Cost**

**W15100 8"..... 20¢**

**W15101 10"..... 26¢**

**W15102 12"..... 30¢**

## Pencil Type Test Leads



5" long handles of red and black phenolic. With rubber, kinkless wire. Molded finger grip tips with set screws for solderless connections.

**Overall length 65". W12988—Your Cost..... 72¢**

## Metal Tube Set Trimmer



Has screwdriver fastened in metal cyclinder that fits over special screwdrivers. 4 5/8" long; shank is 2 3/8" and 1/2" diameter.

**W15103—Your Cost..... 59¢**

## Hex Socket Aligner

6" long with brass 1/4" socket head. Other end has hardened screwdriver bit. Shaft diam. 3/32".

**W15104—Your Cost..... 29¢**

## Double Shank Trimmers

For Philco, RCA, etc. Screwdriver shank is 1/8" diameter—fits into 1/4" hole up to 1 1/4"; other end takes 3/8" hex nut.

**W15105—6" long..... 45¢**

**Your Cost Each..... 45¢**

**W15106—10" long..... 59¢**

## Adjustable Balancer

All Enoline—no metal parts. Screwdriver slides inside aligning wrench; other end has hex socket.

**W15192—Extends 6" to 11"..... 34¢**

**Your Cost Each..... 34¢**

**W15193—10" to 18"..... 49¢**

**Your Cost Each..... 49¢**

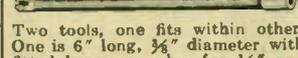
## FIBRITE Screw Driver

Ideal for aligning high-frequency receivers and short-wave sections. 7" long; driver at both ends for all trimmers. Diameter, 3/8". 3/8" diameter driver is 6" long.

**W15150—3/8" diameter..... 20¢**

**W15151—1/2" diameter..... 29¢**

## ALIGNING TOOL SET



Two tools, one fits within other. One is 6" long, 3/8" diameter with fitted brass wrenches for 1/4" and 3/8" hex nuts. Other is 1 1/2" rod fitted with screwdriver nib and special magnetic steel. Both of solid Bakelite.

**W15083—Your Cost..... 69¢**

## "LITTLEFUSE" NEON TATTLELITE TESTER

Made to fit the pocket. Used for detecting open fuses, live lines, open circuits, polarity, continuity tests, etc. Tiny neon lamp will glow on as little as 0.5 ma. Leads are color-coded and have phone tips. Can be used in making stroboscopes and oscillators. Glass is unbreakable.



**W1310—Your Cost Each 59¢**

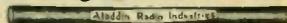
## BRACH NEON TEST



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 is protected by molded Bakelite case. Pocket size, 3 1/2" insulated leads.

**W12983—Your Cost..... \$1.10**

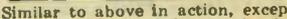
## POLY-IRON Resonator Alignment Wand



For determining correct alignment. A 6" flexible rubber rod; one end brass loaded—the other, core steel. Placing either end in magnetic field of coil will indicate inductive condition; whether aligned or whether above or below resonance.

**W14978—Your Cost..... 59¢**

## SOLID TUNING WAND



Similar to above in action, except that the body is solid insulation instead of flexible rubber. 7" long; each is packed in neat paper tube convenient for the pocket.

**W14976—Your Cost Each 59¢**

## ANGLE SCREW DRIVER



For tightening screws in hard-to-get-at places. Hardened, high-carbon steel, cadmium plated. In two sizes.

**Stock No. Length Your Cost**

**W15146 2 1/2"..... 10¢**

**W15147 4 1/2"..... 14¢**

## Knurled Nut Wrench



For tightening or removing 3/8" to 1 1/2" knurled nuts. Overall length 8 1/2". Shpg. wt. 1 lb.

**W15267—Your Cost Each..... \$1.18**

## NEW "PENCILITE"

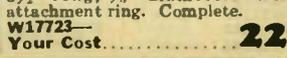
With Magnifying Lens. A new pocket flashlight ideal for use by physicians, dentists, radio servicemen and mechanics, etc. Has a pocket clip like a pen. Is 5 1/2" long, 3/8" diameter. Momentary push switch on top, or turn of top keeps light on steadily. Furnished complete with long life bulb and battery. Red and black lacquer finish.

**W15028—Your Cost..... 39¢**

**W15029—Extra batteries for above..... 12¢**

**Your Cost per Set..... 12¢**

## NEW MICRO-LITE



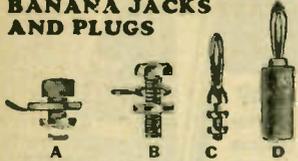
3 3/4" long, 3/8" diameter. With attachment ring. Complete.

**W17723—Your Cost..... 22¢**



# ANALYZER FITTINGS and ACCESSORIES

## PLAIN & INSULATED BANANA JACKS AND PLUGS



Jack "A" has insulated shoulder and fits  $\frac{1}{4}$ " hole; available in red or black to match plug "D". Jack "B" is of nickle plated brass, 1" long. Plug "C" is of spring brass,  $1\frac{1}{2}$ " long. Plug "D" has insulated screw end for solderless connection; in red or black. Specify color when ordering.

Stock No.	Your Cost	Per Dozen
W12916 A	5c	55c
W12923 B	4c	38c
W12919 C	4c	38c
W12915 D	6c	65c

## Split Type Banana Plugs



Both of brass, nickel-plated; fit standard jacks. Plain plug has  $\frac{1}{8}$ " screw,  $\frac{1}{2}$ " long, overall 1" long. Insulated plug has screw in side for solderless connections,  $1\frac{1}{4}$ " long, available in red or black. Specify color desired.

W12920—Plain plug ..... 5c  
W12921—Insulated plug ..... 8c

## MIDGET BANANA PLUGS AND JACKS



In plain and insulated types. Insulated plug is 1" long and jack  $\frac{5}{8}$ ". Both available in red or black. Specify color desired. Plain plug is  $\frac{3}{8}$ " long; jack is  $\frac{1}{2}$ " and fits  $\frac{1}{8}$ " hole up to  $\frac{1}{4}$ ".

Stock No.	Type	Your Cost
W12905	Plain jack	4c
W12906	Plain plug	4c
W12907	Insulated plug	6c
W12908	Insulated jack	6c

## "GIANT" BANANA PLUGS AND JACKS



For heavy duty work as in transmitters; capacity 25 amperes. All of solid brass, nickel-plated.

Stock No.	Type	Your Cost
W12990	Plug; $1\frac{1}{2}$ "- $\frac{3}{4}$ "	Each 15c
W12991	Plug; $1\frac{1}{2}$ "- $\frac{3}{4}$ "	
W12992	Plug; $1\frac{1}{2}$ "-28	
W12933	Jack; $\frac{1}{2}$ " hole	

## Binding Post With Banana Jack Top

Hole in top takes banana plug. Hole in stem for wire. In red or black. Specify color when ordering.

W12945—Your Cost Each ..... 7c

## INSULATING RODS

In red or black. All 12" lengths. Stock No. Diam. Your Cost

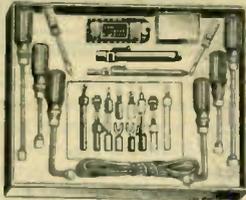
W12902	$\frac{1}{8}$ "	14c
W12903	$\frac{1}{4}$ "	19c
W12904	$\frac{3}{8}$ "	29c

## Insulated Hex Wrench

Hexed entire length; cut broken end and have a new wrench. Stock No. Length Your Cost

W15148	6"	11c
W15149	8"	13c

## Truest SERVICEMEN'S TEST KITS



Thirty-pieces for test and repair. Include two 6" spintite ( $\frac{3}{4}$ " and  $\frac{1}{2}$ "), two 9" spintite ( $\frac{3}{4}$ " and  $\frac{1}{2}$ "), and two 6" "offset" spintite wrenches ( $\frac{1}{2}$ " and  $\frac{3}{4}$ "), three assorted size insulated screwdrivers, three assorted size flat top wrenches, one length (72") each of red and black wire, one No. 14915 neutralizing tool and one 5" compensating screwdriver, an assortment of red and black test parts including test prods, alligator clips, etc., and one box of assorted radio hardware. All are mounted

on a card, packed in a neat box. Shpg. wt. 5 lbs. **\$2.95**

## TEST ACCESSORY KIT

Solderless and interchangeable parts for all tests. 2 long and short prod handles, 2 plug-in prongs, 2 plug-in jacks, 2 insulated tapered lugs, 2 insulated needle point phone tips, 2 insulated alligator clips. In red and black for positive and negative identification. Packed in a neat box.

W12972—Shpg. wt. 1 lb. **\$1.03**  
Your Cost, Special



## INSULATED SPACERS

$\frac{1}{4}$ " outside diameter,  $\frac{5}{8}$ " inside. In red or black. Specify color desired.

Stock No.	Height Inch	Each	Per Dozen
W12938	$\frac{1}{4}$ "	2c	20c
W12939	$\frac{1}{2}$ "	2c	20c
W12940	$\frac{3}{4}$ "	2 $\frac{1}{2}$ c	24c
W12941	1"	3c	25c
W12942	1"	4c	35c

## Flush Type Tip Jacks

Heavy contact spring. Will take both plain and solderless tips. Mount in  $\frac{1}{4}$ " holes. Nickel-plated brass finish.

W12948—Flush tip jack. Your Cost ..... 3c  
Per Dozen ..... 30c

## Tip Jacks

For test equipment. Nickel-plated. Powerful bronze spring.  $\frac{1}{4}$ " mtg. hole.

W12918—Your Cost Each ..... 3c  
Per Dozen ..... 30c

## Senior Tip Plug

All metal tip plug for tip jack use. Solderless connection.  $1\frac{1}{2}$ " long.

W12943—Per Doz. 33c  
Your Cost Each ..... 3c

## Junior Tip Plug

As above, but only 1" long.

W12944—Your Cost Each ..... 3c

## Standard Tip Plug

Nickel plated brass.

W14881—Your Cost, Per Dozen ..... 6c  
Per 100 ..... 40c

## ALLIGATOR CLIPS

Available in plain and insulated types. Ends take prods or banana plugs. Insulated types in red and black. Specify color desired. All have firm spring grips that retain their strength. 2" clip is  $\frac{1}{4}$ " wide, 2 $\frac{1}{2}$ " clip,  $\frac{3}{8}$ " wide. Ideal for meters.

Stock No.	Style and Length	Your Cost
W12955	Plain; 2" long	4c
W12956	Plain; 2 $\frac{1}{2}$ " long	5c
W12911	Insulated; 2"	8c
W12909	Insulated; 3 $\frac{1}{2}$ "	10c

## Dual-Grid Analyzer Stud

Modernizes old analyzer plugs to accommodate metal or glass grid caps.

W11750—Your Cost ..... 6c

## Miniature Tube Caps

For Metal Tubes



These tube caps are of nickle plated brass and are furnished tinned.

W14983—Adapter to fit any regular control-grid clip for contacting new miniature tube caps. Type A ..... 8c  
Your Cost Each

W14984—Tinned brass grid clip for contacting miniature caps on metal tubes. Type B ..... 1c  
Your Cost Each

W14985—Above with wire ferrule. Type C ..... 1c  
Your Cost Each

## NATIONAL Grid Clips

Freely by a slight pressure and easily removed. Tinned grip end for soldering.  $1\frac{1}{2}$ " long.

W14434—Your Cost Each ..... 3c  
Same as above, but for metal tubes. W14565—Your Cost Each ..... 3c  
Same as above, but for larger tubes as 866; also fits  $\frac{1}{4}$ " tubing. W14441—Your Cost Each ..... 6c

## Screen-Grid Clip

Fits all standard grid posts. Brass, tinned for easy soldering.

W14827—Your Cost Each ..... 1c  
Your Cost, Per Dozen ..... 7c  
Your Cost, Per Gross ..... 75c

## Caps for Glass Tubes

Insulated cap with solderless insulated plug and 12" lead. In red or black. State color.

W11727—Your Cost ..... 13c

As above, but heavy duty type. For transmitting tubes (866's etc.). Specify color desired. W11729—Your Cost Each ..... 16c

As above, but less plug. Heavily insulated spring clip insures positive contact. In red or black; specify color.

W14712—Your Cost Each ..... 6c  
W14719—For metal tubes. Your Cost Each ..... 8c

## Metal & Glass Tube Cap

Fits either type. With 11" lead and pin-tip. In red or black. Specify color with order.

W11728—Your Cost Ea. .... 12c

## INSULATED ANALYZER FITTINGS

Will add to the appearance and efficiency of any analyzer. All numbers are available in red or black; specify color desired when ordering.



Needlepoint prods have chuck that takes standard phonograph needle which is easily replaced.

1. 4" test prod with banana plug tip. W12910—Your Cost ..... 15c

2. 4" solderless needlepoint test prod. W12881—Your Cost ..... 15c

2. 7" solderless needlepoint test prod. W12884—Your Cost ..... 18c

3. Short test prod, 2 $\frac{1}{2}$ " long. W12912—Your Cost Each ..... 12c

4. Insulated needlepoint phone tip plug to fit test prods. W12913—Your Cost ..... 6c

5. Insulated plug with tapered lug. W12914—Your Cost ..... 6c

## Insulated Tip Jacks

Have new type springs which provide sure grip contact. Mounts in  $\frac{1}{4}$ " hole. In red or black. Specify color desired.

W12879—Your Cost ..... 5c

## Combination Jack

New type, takes both phone tips and banana plugs. Fully insulated, with insulated washer. In red and black, specify color desired.

W12925—Your Cost Each ..... 8c

## Sr. Insulated Prods

Solderless type; fit all standard tip jacks. Used on test leads for meters, analyzers, etc. In red and black; specify color when ordering.

W12973—1 $\frac{1}{2}$ " long prod. W12974—1 $\frac{1}{2}$ " long. Your Cost Each, Either Type ..... 5c  
Per Dozen, Either Type ..... 53c

## Midget Short Jacks

Bakelite insulation.  $\frac{3}{4}$ " mtg. hole. W6548—Closed Circuit Jack.

W6549—Open Circuit Jack. Your Cost, Each Either Type ..... 14c

## Double Phone Plug

Will take one or 2 phone or speaker cords or combination of both. In red and black. Tie loop.

W14971—Red W14974—Black Your Cost Each, Either Color ..... 19c

## Bakelite Extension Cord Connector

Has two openings at either end for inserting two pin tips. Sturdily made of molded Bakelite and incorporates sure-contact grips.

W13051—Your Cost Each ..... 8c

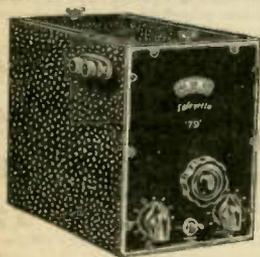


# SHORT-WAVE RECEIVERS - TRANSMITTERS AND ACCESSORIES



**FREE! OUR NEW 1937 SHORT-WAVE CATALOG NO. 66W**  
It is devoted EXCLUSIVELY to short-wave transmitters, receivers and accessories. Space limitations in this catalog permit us only a very brief outline of the ample contents of our SHORT-WAVE CATALOG No. 66W. In it you will find ALL the products of EVERY nationally-known manufacturer available for IMMEDIATE delivery. Simply ask for catalog No. 66W

## Lafayette "79" 5-METER <sup>50-62</sup>MEGACYCLES "MINUTE-MAN" RECEIVER



**Fully Convertible  
for 6-Volt or 110-  
Volt A. C. Use**

The Lafayette "79" Minute-Man is Frank Lester's answer to the demand for a reliable, low-priced 5-meter receiver suitable for fixed-station use on a.c., with a regular power-pack, and also for mobile use in a car on the 6-volt d.c., furnished by the storage battery, or for emergency use.

### FOUR-TUBE RESULTS FROM THREE TUBES

The circuit comprises a type 78 tube as an r.f. amplifier, with a complete antenna-grid tuning circuit consisting of a variable condenser and a plug-in coil. This works into one section of a type 79, connected as a self-quenching ultra-audio super-regenerative detector. The audio signal output is resistance-capacitance coupled to the second section of the same 79, which is followed by a 42.

### OPERATES A SPEAKER WITH GOOD VOLUME

The output of the "79" is so great under most circumstances that a magnetic-type speaker can be operated with good volume. Ear-phones will be found necessary only with extremely weak signals, or when the receiver is used in a car in a "blind spot."

On the front panel are a regeneration control for the detector tube, an audio volume control, the main tuning knob, and a stand-by switch. The latter opens the "B" supply during transmission periods, to prevent the transmitter r.f., from swamping the receiver.

The coils for the r.f. and detector tuning positions are of the spaced-wound, plug-in type fitted with small plugs and mounted on Mycalex supports. While only coils for the 5-meter band (approximately 50-62 megacycles) are supplied with the set, the plug-in feature permits easy experimenting with still smaller or larger coils.

A heavy-gauge black crackle-finished steel case, measuring 5 3/4" wide, 8 3/4" deep and 7 1/2" high houses the entire receiver. The top is removable, being held in place by two quickly loosened thumb screws. Binding posts for antenna wires are on the left side; plug-connections for power leads and loud speaker are on the back of the chassis. The a.c. power pack listed below is mounted on a steel chassis to match and is designed to furnish complete heater and plate voltages.

**W21065**—Lafayette "79" Minute-Man 5-meter receiver, completely assembled, wired and lab tested, with coils for 5-meter band only. Less tubes, power supply and speaker. Shpg. wt. 10 lbs.

**Your Cost** **\$18.45**

Kit of R.C.A. tubes: (1-78, 1-79, 1-42). **Your Cost** 51.89

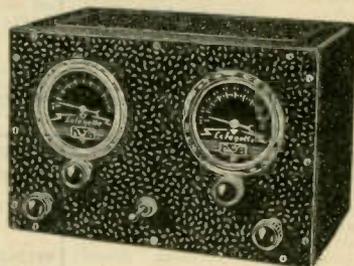
**W21957**—A.c. power supply, completely assembled, wired and tested. Size, 6 3/4" x 10 1/4" x 1 1/4". For 110 volt, 50/60 cycles a.c. only. Less tube. Shpg. wt. 10 lbs.

**Your Cost** **\$6.50**

Rectifier tube for above (1-80). **Your Cost** 34c

## Lafayette <sup>2 1/2</sup> and 5-METER Super

**Acorn (954)  
Pentodes in  
Two Stages**



This receiver is of the superheterodyne type and is available in two models. One, model **W21954**, is designed specifically for five-meter, and higher, operation and employs 3-6D6's, a 6D6, a 41 and a 42 output tube.

### USES R.F. AND AUTODYNE DETECTOR

The 2 1/2 and 5-meter model, **W21934**, differs from the receiver described above in the use of the 954 "acorn" tubes in place of the larger tubes in the r.f. and autodyne detector stages. This permits greatly increased sensitivity, reduced thermal noises and low noise level, as well as operation up to 120 megacycles.

### SEPARATE R.F. AND DETECTOR CONTROLS

The circuit comprises a stage of tuned r.f. followed by a tuned autodyne detector, both using 954's (6D6 and 6C6 in the 5-meter model). Two stages of resistance-capacitance coupled i.f. amplification employ 6D6's, followed by a 41 2nd detector and semi-automatic volume control tube, and a 42 power pentode output tube capable of actuating a dynamic speaker. Acorn sockets and coil bases are of MYCALEX with plug-in construction. The heavy-gauge, black crackle-finished steel cabinet measures 12"x8"x8" and has a hinged top. All components are mounted on a special copper-plated chassis. The tuning controls are of the new noiseless type.

**W22098**—Kit of parts for 5-meter superhet, including steel case and chassis. Less power supply, tubes and speaker. Shpg. wt. 25 lbs.

**Your Cost** **\$18.25**

**W21954**—As above, but completely wired and tested. **\$22.25**

**Your Cost** 53.24

Kit of RCA tubes: 3-6D6's, 1-6C6, 1-41, 1-42. **Your Cost** 53.24

**W21934**—Lafayette 5-meter Acorn superhet. Complete in cabinet, less tubes, power supply and speaker. **\$26.50**

**Your Cost** 26.50

Kit of RCA tubes for above: 2-954's, 1-6C6, 2-6D6's, 1-41, 1-42.

**Your Cost** **\$14.25**

**W21942**—Complete power pack kit designed for both receivers listed above. Less tube. Shpg. wt. 10 lbs.

**Your Cost** **\$8.25**

**W21952**—As above, but completely wired and tested. **\$9.50**

**Your Cost** 9.50

80-tube RCA tube for power supply. **Your Cost** 34c

**Note: We recommend that you order tubes with the set; they are specially selected and tested with each receiver.**

## EMPLOYS 2 ALL METAL TUBES



## FIVE-METER (60-Megacycle) MOBILE PHONE TRANSMITTER

## FOR 110-V.A.C. OR 6-V.D.C. SUPPLY

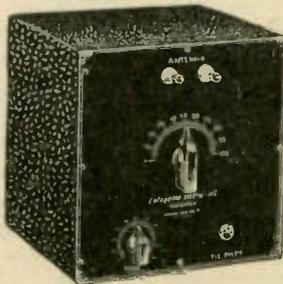
A compact 5-meter phone transmitter that can be operated in an automobile from the 6-volt car battery, or operated as a fixed-station transmitter in the home from the 110-volt a.c. line. Its tube complement includes two, new all-metal type tubes that bring it up to the minute.

### USES NEW 6L6 "BEAM" TUBE

The circuit employs the new type-6E6 twin-triode as a unity-coupled push-pull oscillator, modulated by the revolutionary new 6L6 "beam"-type all-metal tube which readily permits modulating 100%. An all-metal 6C5 is used as a speech amplifier. Drifting has been reduced to a minimum.

### FEATURES LOW CURRENT DRAIN

Due to the use of class "A" amplification, the current drain is practically constant at all times so that any converter will operate with 100% efficiency. Using the Gen-E-Motor (described on page 29) a full 7 watts was realized into a 500-ohm load with a maximum output of 10 watts!



**\*MODULATES 100%  
\*OUTPUT—7 WATTS**

Other circuit features include the use of a MYCALEX socket for the 6E6 tube as well as for the base of the tank coil. The latter is of the plug-in type so that changes for any future developments may easily be made. The coil provided with this set is of copper tubing mounted on MYCALEX.

### CONTAINS MIKE TRANSFORMER

A terminal strip on the rear of the chassis is provided for single- or double-button carbon microphone (200 ohms per button), and the voltages necessary for operation.

### WITH MOUNTING SLOT FOR CAR

A mounting slot is provided for dashboard attachment. The entire unit is enclosed in a black, crystalline finished steel case, 8 1/2" x 8 1/2" x 7".

**W21940**—Lafayette "Mobile" 5-meter transmitter with cabinet, less tubes, power supply, antenna and microphone. Wt. 15 lbs.

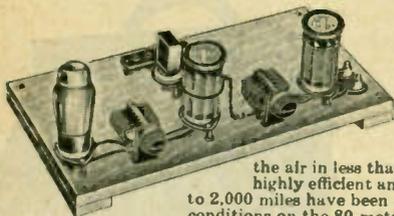
**Your Cost** **\$23.75**

Set of RCA tubes: 1-6E6, 1-6L6, 1-6C5. **\$2.69**



# Lafayette "ECONOMY" RECEIVERS and TRANSMITTERS For the BEGINNER

## A BREADBOARD AMATEUR STATION FOR THE BEGINNER



### A.C. OPERATED TRANSMITTER USES CRYSTAL

This transmitter has received the technical O.K. of Frank Jones of "RADIO." It can be assembled and put on the air in less than an hour. With all, it is highly efficient and reliable. Distances up to 2,000 miles have been covered under favorable conditions on the 80-meter band, and dependable communication over 500-mile distances is a usual occurrence and one that can readily be duplicated.

### SIMPLE AND SURE-FIRE IN OPERATION

The circuit employs a push-pull oscillator, crystal excited, which gives good output at low voltage. The emitted note is pure, easy-to-listen-to d.c. as required by law. The tube used, a 6A6, incorporates two triodes in one envelope—two-tube operation from one. The transmitter kit includes 4 Steatite sockets, 2 ribbed coil forms, 2 double-spaced condensers with knobs, 2 stand-off insulators, Bakelite terminal strip, 2 r.f. chokes and all necessary condensers, resistors, wire for coils and hookup, etc.

### POWER PACK FURNISHES ALL VOLTAGES

The power supply kit includes a sturdy transformer which furnishes 250 volts at 65 ma. and filament voltage for the 6A6, two high-quality electrolytic filter condensers, Bakelite socket, smoothing choke, power switch, terminal strip and all necessary wire and hardware. The power supply is designed to operate from any 110-volt, 50/60-cycle a.c. socket.

**W21070**—Complete kit of parts for transmitter, less baseboard, crystal, tube and power supply. Shpg. wt. 10 lbs.

**Your Cost** ..... **\$4.94**

**RCA 6A6 tube**. **Your Cost** ..... **73c**

**W21071**—Complete kit of parts for power supply, less baseboard and tube. Shpg. wt. 5 lbs.

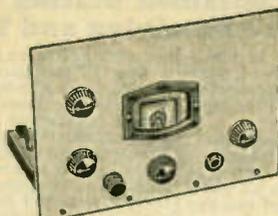
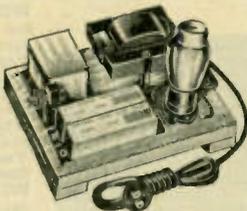
**Your Cost** ..... **\$2.66**

**RCA 80 tube**. **Your Cost** ..... **34c**

**W13503**—160-M crystal (X) ..... **\$2.45**

**W13502**—80-M crystal (X) ..... **\$2.45**

**W13192**—Crystal holder ..... **95c**



### BATTERY OPERATED HAM RECEIVER WITH ELECTRICAL BAND-SPREAD ON ALL BANDS

Start right in amateur radio by building your own receiver. This one is recommended by Frank Jones, and in conjunction with the transmitter on the left makes up an ideal and sure-fire ham station for the beginner. Stations from foreign countries are consistently heard in good locations, and because of the use of

a 19 tube, which serves both as a detector and amplifier, surprisingly good signal volume is obtained. In fact, some local stations can be heard on a speaker instead of headphones.

### COVERS 20, 40, 80 AND 160-METER BANDS

Overall design and construction follows the simplest lines; the complete receiver can be assembled and wired in one evening. Four plug-in coils, (furnished unwound), cover the 20, 40, 80 and 160-meter amateur bands with full electrical band-spread provided for each band.

Everything necessary for the construction of this receiver, with the exception of the baseboard, is furnished in kit-form with complete instructions. The parts and accessories include, panel, an airplane-type vernier tuning dial, audio transformer, r.f. choke, sockets, three variable condensers and knobs, 6-ohm rheostat, "on-off" switch, jack for headphones, grid condenser and grid leak, audio resistor, terminals and all necessary hook-up wire, solder, phone plug and hardware. The use of a metal front-panel furnishes complete shielding. The type 19 tube has a 2-volt filament and thus it can be operated economically.

**W21072**—Complete kit of parts for receiver, less baseboard, tube, batteries and phones. Wt. 10 lbs.

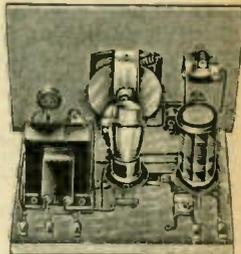
**Your Cost** ..... **\$6.95**

**RCA 19 tube**. **Your Cost** ..... **58c**

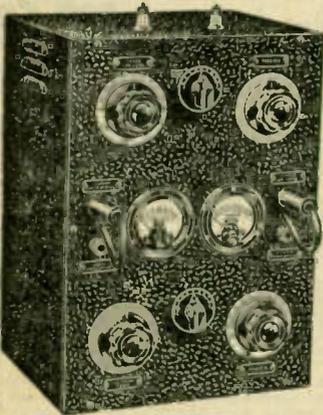
**Kit of Eveready batteries**: 2—No. 6 A cells, 2—45 V. "B". Wt. 12 lbs. **\$2.70**

**Your Cost** ..... **\$97c**

**W13892**—Set of "Empire" DX headphones, 2000 ohms. **Your Cost** ..... **97c**



## Trutest "25-WATT JR." C.W. TRANSMITTER AND POWER SUPPLY



This professional-looking rig is truly a little "giant" in performance and appearance. The black crackle-finished steel cabinet which houses it, measures 14" high, 10 1/2" wide and 8 1/4" deep. It employs the famous "Les-Tet" harmonic oscillator circuit which uses a 56 crystal controlled oscillator and a 53 as a doubler or neutralized buffer stage to excite a class C stage with two 46's in parallel. All tubes circuits are monitored with two Triplett meters—a 0-50 and 0-150 milliammeter—by plug and jack arrangements.

### EMPLOYS PLUG-IN COILS

Tuning dials are hand-burnished, silver-plated, with massive Bakelite knobs. Two neutralizing condensers are mounted on the front panel for accessibility. An antenna tuning capacitor is provided to permit maximum energy transfer to the antenna. The power supply available for use with this transmitter employs an oversized transformer in conjunction with suitable condensers and chokes to furnish 400 volts at 150 ma., as well as filament voltages. It incorporates a tapped bleeder resistor and makes use of an 83-type mercury-vapor rectifier tube. All parts are mounted on a steel chassis 9 3/4" x 7 1/4" x 2". It is designed to operate from any 110/120-volt, 50/60-cycle a.c. socket.

Both transmitter and power supply are available in kit form, as well as completely wired and tested units.

**W21066**—Complete kit of parts of "25-Watt Jr." with steel cabinet, all parts and hardware, but less crystal, tubes and power supply. Furnished with one set of coils for 20, 40, 80 or 160-meter band (specify band). Shpg. wt. 19 lbs. **\$24.50**

**Your Cost** ..... **\$24.50**

**W21067**—As above, but wired and tested. **\$31.95**

**Kit of RCA tubes for above**. **Your Cost** ..... **\$2.29**

**W13972**—20-meter coils **W13971**—40-meter coils

**W13970**—80-meter coils **W13859**—160-meter coils

**Your Cost** ..... **\$3.50**

**Any Set of Coils** ..... **\$3.50**

**W13988**—160 or 80-meter X crystal ..... **\$2.80**

**W13563**—160 or 80-meter A crystal ..... **\$5.50**

**W13989**—40-meter X crystal ..... **\$4.50**

**W21068**—Complete kit of parts for power supply with steel chassis, less tube. **\$7.50**

**Shpg. wt. 20 lbs.** **Your Cost** ..... **\$7.50**

**W21069**—Power pack, wired and tested ..... **\$8.50**

**RCA 83-type rectifier for pack** ..... **\$2c**

### A PORTABLE SHORT-WAVE RECEIVER AND MONITOR

Just the thing for every ham station—a combined portable, self-contained short-wave and fully shielded monitor with electrical band spread on every ham band. Everything—receiver and batteries—is inside the black, crackle-finished steel case. It measures overall 8 3/4" x 6 1/2" x 5 1/4" and weighs only 9 pounds with batteries. Just plug in a pair of phones, run out a short aerial and you have an efficient short-wave receiver for either ham or s.w. broadcast bands. Take it along to camp, etc.

### VERNIER DIAL FOR FINE TUNING

The special band-spread coils used cover the 20, 40, 80 and 160-meter ham bands; another set covers the 19, 25, 31 and 49-meter foreign broadcast bands. Two type-30 tubes are used in the detector and audio amplifier sockets. Access to the coil socket is had through a hole cut in the top of the case.

The simplicity of construction and its future usefulness regardless of the station's growth, makes it an ideal and valuable set for the beginner to build. Not only is it an excellent fixed-station and portable receiver but an excellent monitor as well. Furthermore, its sturdy construction ensures long service.

### BUY IT IN KIT OR WIRED FORM

**W21152**—Complete kit of parts with steel carrying case, less tubes, batteries. **\$7.95**

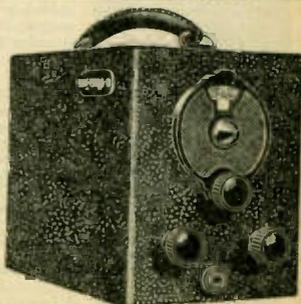
**Shpg. wt. 12 lbs.** **Your Cost** ..... **\$7.95**

**W21153**—As above, wired and tested. **\$9.90**

**Kit of Eveready batteries**, 1—No. 762, 1—No. 771. **Your Cost for Both** ..... **\$1.29**

**Two 30-type RCA tubes** ..... **80c**

**W13963**—Set of 4 coils for the broadcast bands. **W13964**—Set of four coils for the amateur bands. **Your Cost, Either Set** ..... **\$2.10**



Weights 9 lbs. with batteries!

WRITE FOR FREE COPY OF COMPLETE "HAM" CATALOG



# Lafayette 5-METER TRANSCRYPTOR

## A New Transmitter-Receiver

### A Completely Self-Contained Station With Separate Tuning Controls For Receiving and Transmitting

Lafayette's most recent innovation in the 5-meter field—a completely self-contained, portable station with SEPARATE tuning controls for receiving and transmitting, as well as separate antennas for both functions.

It is completely contained in a handsome black, crackle-finished steel case measuring 15x15x7 1/4"; it has compartments for the handset (or phones and mike), and all batteries. When all closed for transportation it can be handled like any piece of luggage—knocked about, sat on or stood on!

Two type-19 and two type-30 tubes are used. With the center change-over switch in the "receive" position, a type-30 is used exclusively as a self-quenching super-regenerative detector, transformer coupled to the second 30 operating as an audio stage. The latter feeds a 19, operating as a push-pull stage. The earphone of the handset is connected to the secondary of the output transformer. The super-regen has valuable faculty in discriminating against ignition interference, as well as great sensitivity.

With the switch in the "transmit" position, the filament of the detector tube is opened, the

second 30 becomes a speech amplifier and the 19 a class "B" modulator stage. The second 19 is thrown in as a unity-coupled push-pull oscillator, plate modulated via the secondary of the output transformer in the 19 audio stage.

The dual functioning of the audio section of the Transcryptor in no way affects its performance; the complete separation of the r.l. sections eliminates all coupling compromises. The life of the batteries will depend on how the unit is used, but standard easily-replaceable batteries are employed.

#### BUILT FOR PORTABLE WORK

**W21064**—Lafayette 5-meter Transcryptor completely wired, with carrying case. Less tubes, batteries, handset and antennas. Shpg. wt. 25 lbs. List \$55.00

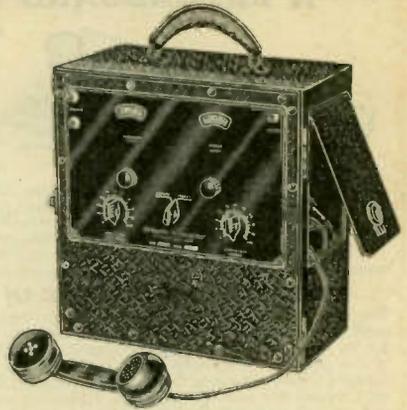
Your Cost **\$27.50**

RCA tubes (2-30's, 2-19's) ..... 51.96

Complete set of Eveready batteries (3-762, 2-6A cells, 1-771, 1-773). Shpg. wt. 18 lbs.

Your Cost **\$4.48**

Six-volt and 110-volt a.c. models will be available soon. Write for complete details.



- Output—Full 2 Watts
- Uses One or Separate Antennas
- Completely Enclosed

### A Professional Looking and Acting Rig for the Discriminating Ham

The Lafayette model PB46A phone and c.w. transmitter illustrated at the right is made up of three separate units that can be purchased separately as indicated in the next column. Each unit is mounted on a standard 19" rack panel for either relay-rack or cabinet mounting. Parts are the finest available, Hammarlund, Cornell-Dubilier, Triplet, etc., cadmium-plated steel chassis, etc.

**Model P46 c.w. transmitter (B)** uses a 56 oscillator and 53 doubler or buffer with parallel 46's in class C output. All circuits can be checked with a 0-50 and a 0-150 milliammeter. Its built in power supply uses an 83 mercury-vapor rectifier.

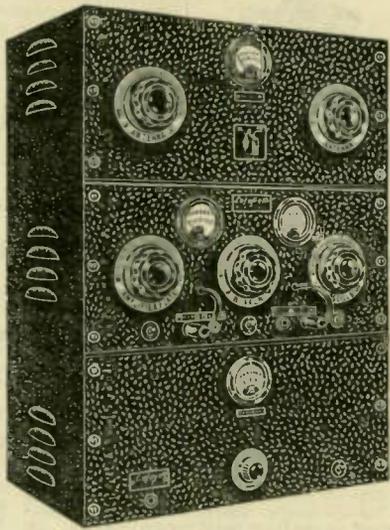
**Model B46 modulator (C)** converts the above to a phone transmitter. A 57 feeds a 2A6 hi-mu triode, followed by a 46 in class A driving two 46's in class B. An 83 rectifies. Uses Crystal Mike. Output is 30 watts; frequency response 50 to 12,000 cycles within 1 1/2 db; overall gain 110 db; outputs: 4000, 6000, 8000 and 10000 ohms. A 200 ma. milliammeter serves as a modulation indicator. Size, 17x11x2 1/4".

**Model 46A antenna coupler (A)** comprise two variable condensers, series-parallel switch and a Triplet thermo-couple ammeter. Permits maximum energy transfer to antenna. In addition to these single units, several combinations are suggested in the price column at the right.

**W22253**—Model 46A antenna coupler, less cabinet. Shpg. wt. 10 lbs. **\$19.95**

Your Cost

### Lafayette 30 Watt C.W. and PHONE TRANSMITTER



### Go On The Air With A Single Unit And Add Later As You Desire

**W22254**—Model P46 transmitter (c.w. only) less cabinet, tubes and crystal. With power supply and 1 set of coils. Shpg. wt. 38 lbs.

Your Cost **\$52.95**

**W22252**—Model P46A c.w. transmitter consists of W22253 and W22254 in 2-deck steel cabinet. Less tubes, crystal. With power supply and 1 set of coils. Shpg. wt. 85 lbs.

Your Cost **\$79.50**

**W22256**—Model B46 modulator, less tubes and cabinet. Shpg. wt. 40 lbs.

Your Cost **\$39.50**

**W22258**—Model PB46 phone and c.w. transmitter, consists of W22254 and W22256. With power supply and steel cabinet. Less tubes and crystal but with one set of coils. Shpg. wt. 105 lbs.

Your Cost **\$97.50**

**W22255**—Model PB46A complete phone and c.w. transmitter in 3-deck steel cabinet, 26 1/4" high, 19" wide, 13" deep, consists of all three units. With power supply and one set of coils. Less tubes and crystal. Shpg. wt. 125 lbs.

Your Cost **\$119.50**

**W13859**—160-M coils. **W13970**—80-M coils.

**W13971**—40-M coils. **W13972**—20-M coils.

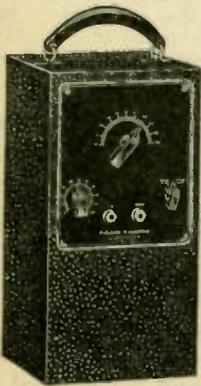
Your Cost, Any Set..... **\$3.50**

Complete kit of RCA tubes for model PB46A transmitter: 1-56, 1-53, 1-57, 1-2A6, 5-46's, 2-83's.

Your Cost ..... **\$6.17**

### MODEL "30"

The Finest Low-Cost Transceiver Available



The model "30" Transceiver is desirable where its low initial cost and its economy of cell consumption are prime factors. It incorporates the same careful design, workmanship and quality components as its senior, the "19". The circuit employs the popular 30-33 tube combination. For transmission the 30 is used as an oscillator modulated by the 33.

#### OPERATES A LOUD SPEAKER

In receiving the 30 becomes a super-regenerative detector and the 33 an audio amplifier. Sufficient volume is had for a loud speaker. Provided with change-over switch, tuning and gain controls. In a steel case 15" high, 7 1/4" wide, 6 1/2" deep, finished in crystalline black.

**W21150**—Model "30" transceiver, less tubes, batteries and mike. Shpg. wt. 15 lbs. **\$9.95**

Your Cost

RCA tubes (30, 33). Your Cost..... 98c

Eveready batteries, 3-762, 1-763, 2-6A. Your Cost..... 54.34

Your Cost

### Lafayette FIVE-METER TRANSCRYPTORS

### MODEL "19"

Has Output of 2 Watts! Class B Modulation

Here is the transceiver that has proved its superiority in ham circles everywhere. It has an output of approximately 2 watts—almost ten times that of the ordinary transceiver using the type 30 tube as an oscillator. The use of class B modulation provides surprisingly excellent quality of transmission. It is independent of external power supply; contains all necessary batteries within its own steel case.

#### SUPER-REGENERATIVE P.P. DETECTOR

The circuit employs two type 19's and a type 30 tube. One 19 driven by the 30 serves as a class B audio amplifier which modulates the other 19 used as a unity-coupled push-pull oscillator. As a receiver, one 19 is used as a push-pull super-regenerative detector, with the type 30 and the other 19 as 1st and 2nd audio amplifiers, respectively. Sufficient output is obtainable for loud speaker operation. The case is of steel, finished in black crystalline lacquer, and measures 15" high, 7 1/4" wide and 6 1/2" deep. Two stand-offs are provided for a transmission line. Note: The Models "19" and "30" Transceivers are identical in external appearance, as illustrated at the extreme left, except that the "19" has one antenna post and the "30" has two.

**W21151**—Lafayette model "19" transceiver in steel carrying case, less tubes, batteries and accessories. Shpg. wt. 18 lbs. **\$15.95**

Your Cost

Eveready batteries, 3-762, 1-771, 1-773, 2-6A. Your Cost..... 54.44

RCA tubes (1-30, 2-19's). Your Cost..... 1.56

Your Cost

Your Cost

Your Cost

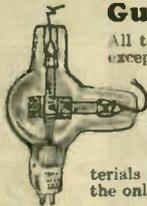
Your Cost

Your Cost

# AMATEUR TRANSMITTING TUBES

## Lafayette Transmitting Tubes

### Guaranteed for 1000 Hours



All transmitting tubes in the Lafayette line, with the exception of the 210, have 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 or warp under heat. Lafayette Transmitting Tubes are Guaranteed Pro-Rata for 1000 hours against defective materials and workmanship; broken glass and burnouts are the only exceptions to this guarantee offer.

Type	Purpose	Your Cost
203A	R.F. or audio amp.—100 watts plate dissipation.	59.95
203D	High freq. r.f. amp.—120 watts plate dissipation.	10.95
204A	R.F. or audio amp.—250 watts plate dissipation.	75.00
210	R.F. or audio amp.—15 watts plate dissipation.	1.95
211	R.F. or audio amp.—100 watts plate dissipation.	9.95
211C	High freq. r.f. amp.—100 watts plate dissipation.	10.95
212E	H.F. r.f. or audio amp.—275 watts plate dissipation.	67.50
800	R.F. or audio amp.—50 watts plate dissipation.	7.50
801	R.F. or audio amp.—20 watts plate dissipation.	3.75
805	R.F. or audio amp.—125 watts plate dissipation.	15.50
830	R.F. amp.—17 watts plate dissipation.	7.25
830B	R.F. or audio amp.—60 watts plate dissipation.	7.25
841	R.F. or audio amp.—12 watts plate dissipation.	2.50
842	Audio amp.—12 watts plate dissipation.	2.50
845	Audio amp.—75 watts plate dissipation.	9.95
849	R.F. or audio amp.—400 watts plate dissipation.	125.00
851	R.F. or audio amp.—750 watts plate dissipation.	300.00
852	R.F. amp.—100 watts plate dissipation.	14.50
864	Voltage amp. for pre-amplifiers.	1.40
866	H.W. merc. vapor rectifier—6 amp.	1.65
866A	H.W. merc. vapor rectifier—1.0 amp.	2.25
869A	H.W. merc. vapor rectifier—10 amps.	139.00
872	H.W. merc. vapor rectifier—10 amps.	10.95
872A	H.W. merc. vapor rectifier—7.5 amps.	12.50
875A	15000-volt peak inverse rectifier.	32.40



## Transmitting Tubes

Eveready-Raytheon, manufacturers of the famous "four-pillar" receiving



type tubes, makes a complete line of tubes designed solely for amateur use. These tubes are highly efficient, permitting maximum power output with minimum input. All have Isolantite bases, and are ruggedly constructed to provide long, uninterrupted service. Only the popular types are listed—we can supply any Raytheon transmitting tube.

Type	Purpose	Your Cost
RK10	R.F. osc. amp., mod. triode—10 watt.	53.50
RK16	R.F. amp., cl. "A" driver, triode—1.25 watt.	4.50
RK17	R.F. osc. amp., dblr., pentode—10 watt.	4.50
RK18	R.F. osc. amp., cl. "B" mod., triode—40 watt.	10.00
RK19	F.W., high vacuum rect., 1250 V., 600 ma.	7.50
RK20	Shielded pent., r.f. osc., amp., 50 watt.	15.00
RK21	H.W., high vacuum rect., 1250 V., 600 ma.	5.00
RK22	F.W., high vacuum rect., 1250 V., 600 ma.	7.50
RK23	Shielded pent., r.f. osc., amp., 15 watt.	4.50
RK24	R.F. osc. amp., mod., for 56 mc.—1.5 watt.	2.25
RK25	Shielded pent., r.f. osc., amp.—15 watt.	4.50
RK28	R.F. power amp., cl. "B" and "C," pent.—100 watt.	38.50
RK30	High freq., r.f. osc., amp. triode—65 watt.	10.00
RK31	Zero bias cl. "B" modulator, triode—125 watt.	10.00
RK32	High frequency triode—50 watt.	12.00
RK34	High freq., r.f. osc., amp., twin triodes—20 watts.	3.50
RK35	R.F. amp., osc., dblr., 35 watts.	8.00
RK36	R.F. osc. amp., cl. "B" mod., triode—100 watts.	14.50
RK100	Gaseous discharge amp., triode—15 watt.	7.00
R203A	Hi-mu triode, cl. "B" mod. amp.—100 watt.	17.50
R841	High amp. factor triode, audio amp.—13 watt.	3.25
R842	Low amp. factor, mod., amp., triode—7 watt.	3.25
R864	Low microphonic response, mod. preamp.—90 V.	1.60
R866A	H.W., mercury filled rect., 3500 V., 600 ma.	4.00
R872A	H.W., mercury vapor rect., 3500 V., 2.5 amps.	18.50

## RCA CATHODE-RAY TUBES

Type	Type	Net
903	9"	597.50
904	5"	52.50
905	6"	45.00
906	3"	18.00
907	5"	48.75
908	3"	21.00
909	6"	49.00
910	3"	21.25
911	3"	22.50
912	5"	163.40

## RCA PHOTO TUBES

No.	Type	Net Price
868	General purpose	55.00
917	High-vacuum	6.00
918	High-sensitivity	5.00
919	High-vacuum	4.50
920	Twin photo-tube	7.00

## AMPEREX TUBES

### NEW! HF-100

Here's value for the ham. 170 watts maximum obtainable output up to 30 mc. 50-60 watts on 120 mc. Plate, 1500 volts at 150 ma., filament, 10 volts at 2 amps. Standard UX 4-prong ceramic base. 7 1/2" high, 2 1/2" diam. Plate terminal, top; grid, side. Carbon plate. Amplification factor, 21. Shpg. wt. 4 lbs.

**Type HF-100**  
**Your Cost \$10.00**

## AMPEREX HF-200

A favorite power bottle with hams for some time. Allowable plate dissipation, 150 watts; 300 to 400 watts attainable plate power output up to 20 mc. Plate 2000 volts at 200 ma. Filament, 10 volts at 3.4 amps. Standard 50-watt base. Top plate terminal, side grid terminal. Large area graphite plate, 9 1/4" high, 2 3/4" diameter. Amplification factor, 18.

**Type HF-200**  
**Your Cost \$24.50**



## RCA deForest TRANSMITTING TUBES

The RCA-deForest line of transmitting tubes has been accepted as the quality standard since the beginning of radio transmission. The tubes listed here are licensed for amateur and experimental use only. They will provide the finest performance, and are constructed to give long-lived satisfactory service.

Type No.	Description	Amateur's Net Price
203A	Triode—100 watts plate dissipation.	\$15.00
204A	Triode—250 watts plate dissipation.	97.50
211	Triode—100 watts plate dissipation.	15.00
800	Triode—35 watts plate dissipation.	10.00
801	Triode—20 watts plate dissipation.	4.50
802	Pentode—20 watts plate dissipation.	3.90
803	Pentode—125 watts plate dissipation.	38.50
804	Pentode—40 watts plate dissipation.	15.00
805	Triode—125 watts plate dissipation.	18.00
830B	Triode—60 watts plate dissipation.	10.00
831	Triode—400 watts plate dissipation.	265.00
834	Triode—50 watts plate dissipation.	12.50
838	Triode—100 watts plate dissipation.	16.00
840	R.F. pentode—2 volt filament.	6.00
841	Triode—15 watts plate dissipation.	3.25
842	Triode—12 watts plate dissipation.	3.25
843	Triode—15 watts plate dissipation.	12.50
844	Screen-grid r.f. amp.—15 watts plate dissipation.	18.00
845	Triode—75 watts plate dissipation.	16.00
849	Triode—400 watts plate dissipation.	160.00
850	Screen-grid r.f. amp.—100 watts plate dissipation.	37.50
851	Triode—750 watts plate dissipation.	350.00
852	Triode—100 watts plate dissipation.	16.40
860	Screen-grid r.f. amp.—100 watts plate dissipation.	32.50
861	Screen-grid r.f. amp.—400 watts plate dissipation.	295.00
864	Triode amp. (for pre-amplifiers).	1.60
865	Screen-grid r.f. amp.—15 watts plate dissipation.	12.75
954	Acorn pentode, high frequency.	5.80
955	Acorn triode, high frequency.	3.75
1602	Triode—15 watts plate dissipation.	2.75
1603	Pentode amp. (low micro.)	2.25

## High-Voltage Rectifiers

217A	Half-wave, high vac.—10 volt filament.	20.00
217C	Half-wave, high vac.—10 volt filament.	20.00
836	Half-wave, high vac.—2.5 volt filament.	11.50
866	Half-wave, merc. vap.—2.5 volt filament.	2.25
866A	Half-wave, merc. vap.—2.5 volt filament.	4.00
872	Half-wave, merc. vap.—5 volt filament.	16.50
872A	Half-wave, merc. vap.—5 volt filament.	18.50
878	Half-wave, high vac., for cathode ray.	11.00
879	Half-wave, high vac., for cathode ray.	3.00
885	Gas triode for cathode ray sweep control.	2.00
966A	Half-wave, merc. vap.—2.5 volt filament.	4.00

## RCA ACORN TYPE TUBES

These tubes are considered standard for maximum efficiency

**Type 954—Pentode \$5.80**  
**Your Cost**  
**Type 955—Triode \$3.75**  
**Your Cost**

## Mycalex Acorn Socket

Made of Genuine Mycalex, 1 1/4" square. For both type 954 or 955 tubes.

**W13172—Minus prongs**  
**Your Cost 42¢**  
**W13171—With prongs**  
**Your Cost Each 51¢**

## Ceramic 50-Watt Socket

All-ceramic; contacts of end type. Ideal for ultra-high frequency. For base mounting.

**W12899—Type CP38**  
**Your Cost Each 75¢**

## Ceramic "802" Socket

7 phosphor bronze springs; will fit all small or large 7-prong tubes. **W14012—**  
**Your Cost 32¢**

## JOHNSON SOCKETS

Porcelain base, polished nickel shell; dual wiping contacts. Screw and lug terminals. **W14160**  
**UX base**  
**Your Cost**  
**Each 73¢**  
**W14161—50-watt size \$1.03**

WRITE FOR FREE COPY OF COMPLETE "HAM" CATALOG

# NATIONAL Amateur Receivers and Accessories

## NEW! NATIONAL NC-100 RECEIVER 10 TO 555 METERS IN 5 BANDS USING BUILT-IN COILS

The NC-100 is a 12-tube superheterodyne using 10 all-metal type tubes, and employs an entirely new method of band-changing. Individual, completely shielded coils are used for each band—there are no plug-in units.

### USES AIR-TUNED I.F.'S

A complete set of factory-matched tubes is supplied: 6K7 r.f. pre-selector for all bands, 6J7 1st detector, 6K7 oscillator, two 6K7 i.f. stages, 6C5 2nd detector, 6J7 separate amplified and delayed a.v.c., 6J7 beat oscillator, two 6F6 outputs, 6E5 visual tuning indicator and an 80 rectifier.

### BUILT-IN POWER SUPPLY

The built-in power supply also provides excitation for a 500-ohm speaker field. Front-of-panel controls include tone, send-receive, r.f. gain, volume, a.v.c. and b.f.o. on-off, beat oscillator vernier control, tuning dial, filter selectivity (on crystal models only), and phasing control (on crystal models only). The tuning dial operates a 3-gang condenser and has a spring-loaded gear train with a ratio of 20:1; it makes ten complete revolutions across each coil range.

Other features include a headphone jack mounted on the front panel, accurate measurement of signal strength by means of a calibrated curve, undistorted audio output of 10 watts, provision for relay for automatically turning receiver on or off.

### VISUAL TUNING INDICATOR

The entire unit, except for the speaker, is mounted in a black, crackle-finished steel case. The front panel is handsomely finished in dull black and polished aluminum.

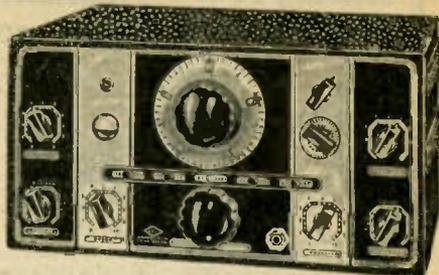
**W21256**—NC-100 receiver complete with power supply and 10" dynamic speaker chassis. Shpg. wt. 72 lbs. **\$105.00**  
Your Cost

**W21257**—NC-100X receiver, as above but with crystal filter. **\$127.50**  
Your Cost

**W21258**—Rola G-12 high-fidelity speaker in place of 10" speaker. **\$13.50**  
Add to Above Prices.

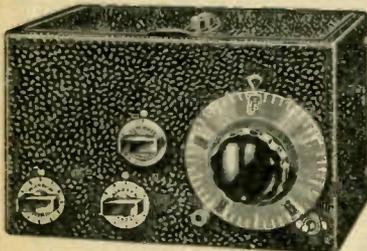
**W21259**—DCS metal cabinet for 10" speaker. Matches receiver cabinet. **\$5.10**  
Your Cost

**W21260**—Steel angles for rack-mounting above receivers. Easy to fit. **\$1.50**  
Your Cost per Pair



### OUTSTANDING FEATURES

- 10 TO 555 METERS—5 BANDS
- INDIVIDUAL BUILT-IN COILS
- 12 TUBES—10 ALL-METAL
- BUILT-IN POWER SUPPLY
- VISUAL TUNING INDICATOR
- PRESELECTION ON ALL BANDS
- SEPARATE DELAYED A. V. C. TUBE
- COMPLETE WITH ALL TUBES AND 10" DYNAMIC SPEAKER



## ULTRA HI-FREQUENCY RECEIVER MODEL 1-10

Named for its extraordinary tuning range of from one to ten meters. It employs a 4-tube circuit consisting of a type-954 acorn tube as an r.f. amplifier, a type-955 acorn tube as a detector, a 6C5 as first audio amplifier and a 6F6 as a 2nd audio frequency amplifier.

### ALL-VICTRON INSULATED

It incorporates the famous National ultra hi-frequency condenser assembly which features a worm-gear drive and the new 20:1 micrometer tuning dial. The front panel mounts the tuning control, send-receive switch, phone jack, regeneration, audio gain (volume), and alignment of the r.f. circuit. 6 sets of coils are furnished.

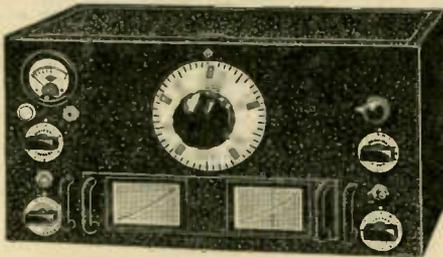
All coil bases, condenser supports, etc., are constructed of Victron—the finest insulation for high frequencies. The receiver can be used with batteries, or a.c. power supply which permits operation from 110 volts, 50/60 cycles a.c.

### HOUSED IN STEEL CASE

Compact enough for car use or fixed station.  
**W21254**—National type 110 receiver with all coils, less tubes, speaker and power supply. Shpg. wt. 14 lbs. **\$39.00**  
Your Cost  
**W21255**—National 5886 AB power supply, less tube (1-80). Wt. 17 lbs. **\$15.90**  
Your Cost

## NATIONAL "HRO" SENIOR AND "HRO" JUNIOR S. W. RECEIVERS

- 9 TUBES, LESS RECTIFIER
- SINGLE-SIGNAL CRYSTAL STANDARD ON "SENIOR"
- SINGLE-CONTROL TUNING
- GANGED PLUG-IN COILS INDIVIDUALLY SHIELDED
- VACUUM TUBE VOLT-METER CALIBRATED IN S UNITS ON "SENIOR"
- MICROMETER DIAL WITH TUNING OVER 500 DIVISIONS DIRECT READING



- CALIBRATION FOR EACH RANGE MOUNTED ON COIL
- BOTH AUTOMATIC AND MANUAL VOLUME CONTROL
- AIR-PADDED OSCILLATORS ELECTRON COUPLED
- "OFFSET" C. W. TUNING WITH BEAT OSCILLATOR
- FOUR-GANG CONDENSOR WITH WORM-DRIVE TUNING
- PHONE JACK ON PANEL

The "HRO" Junior receiver is essentially the same as the standard model described at the left, except that the carrier intensity meter and the crystal filter have been omitted. In addition, only one calibration curve is supplied with the coil group instead of two. All other features are identical with those described in the feature columns. The "HRO" Junior has been so designed that the amateur can start with this receiver and build it up to the standard model by adding those features that have been omitted.

The "HRO" Senior is truly a professional-type short-wave communication receiver. It is in use in airports all over the country and wherever commercial reliability of reception is desired. Two models are available; the 2½-volt model uses 4-58's, 3-57's, 1-2B7 and 1-2A5. The 6-volt model uses 4-6D6's, 3-6C6's, 1-6B7 and a 42. Both models employ advanced superheterodyne circuits.

### CRYSTAL FILTER CAN BE ADDED LATER

Carrier intensity meter can be purchased at an additional \$6.00; crystal filter circuit can be added (at factory only) at an additional \$22.50; band spread coils can be purchased in place of the general coverage coils at \$12.00 per set (if 10-20 meter band spread coils are to be substituted for general coverage coils, set must be shipped back to factory for re-calibration). If band spread coils for the 10-20 meter band are ordered at time of purchase of the receiver (in place of general coverage coils) add \$2.10 to cost of complete receiver. Shpg. wt. 30 lbs.

**W21252**—"HRO" Junior complete with set of RCA 2.5 volt tubes and 10-20 meter coils. Less speaker and power supply.

**W21253**—"HRO" Junior complete with set of RCA 6.3 volt tubes and 10-20 meter coils. Less speaker and batteries. **\$99.00**  
List Price \$165.00. Your Cost, Either Set

**W13793**—Complete set of coils for 20-40 meter band.  
**W13794**—Complete set of coils for 40-80 meter band.  
**W13795**—Complete set of coils for 80-160 meter band. **\$9.90**  
Shpg. wt. 5 lbs. each set. Your Cost, per Set

Use same power supply as listed at left with standard model.

### USES TWO R.F. PRESELECTION STAGES

Two air-tuned, Litz-wound, high-gain i.f. stages provide unusual selectivity and sensitivity. Other circuit details include automatic or manual volume control, vacuum-tube voltmeter with panel meter for indicating carrier intensities directly in S units, phone jack, send-receiver switch and Lamb single-signal crystal filter. Ganged plug-in coils with band spread are provided for 30 to 1.7 megacycle reception, (10 to 176 meters); each set is equipped with a calibration curve. A micrometer dial spreads tuning over 500 divisions, numbered every 10 divisions; it is coupled to a pre-loaded worm drive with 20:1 ratio, which is coupled to a 4-gang tuning condenser. Supplied with black leatherette or Western Electric gray finished panel for rack-panel assembly. (Specify finish desired when ordering). Also available in table model.

**W21250**—HRO-2 (2½-volt) rack-panel receiver with coils, RCA tubes, less speaker and power supply. List \$299.50.

**W21251**—HRO-6 6-volt battery rack-panel model complete with coils, tubes, less speaker. List \$299.50. **\$179.70**  
Your Cost, Either Model

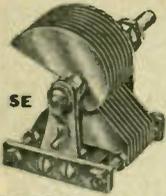
**W23773**—Additional set of coils from 500 to 1000 kilocycles.  
**W13774**—Additional set of coils from 900 to 2000 kc. **\$12.00**  
List Price, \$20.00 per set. Your Cost per set

**W21261**—110-volt, 60-cycle power pack for 2.5-volt tubes. **\$15.90**  
Your Cost

# NATIONAL SHORT WAVE EQUIPMENT



## MIDGET RECEIVING UNITS



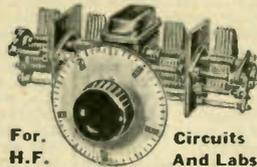
The ST unit has 180° a.l.w. plates; the SE, 270° a.l.f. Plates and frame are aluminum. Steatite insulated. Rotor has two bearings in all models with front bearing insulated; rotor contact is through a pigtail. SEU units have thick plates with rounded polished edges.

Lengths are from 1 1/8" to 2 3/4".

Stock No.	Cap. Mmfd.	Mfrs. No.	No. of Plates	Your Cost
W14300	15	STHS15	3	\$0.84
W14291	50	ST-50	11	1.08
W14293	100	ST-100	20	1.35
W14294	150	ST-150	29	1.50
W14295	250	STH250	32	1.80
W14303	50-50	STD-50	11-11	2.10
W14288	15	SEU-15	6	1.50
W14290	25	SEU-25	9	1.65
W14290	50	SE-50	11	1.80
W14282	100	SE-100	20	2.10
W14283	150	SE-150	29	2.25
W14287	335	SEH335	43	2.55

## PRECISION GANGED UNITS

Designed for use in circuits in 2, 3 or 4 ganged sections and one-section for laboratory. Drive at midpoint of rotor is through enclosed pre-loaded worm gear with 20:1 ratio. Steatite insulation. Micrometer dial reads direct to 1 part in 500. Division lines are approximately 1/4" apart. The dial revolves 10 times in covering the tuning range and window-number changes every revolution of the dial. Each rotor insulated from frame with individual multi-fingered brush contact; four bearings on rotor shaft. Plate shape is s.l.f. when the frequency range is 2:1. Type PW.



For H.F. Circuits And Labs

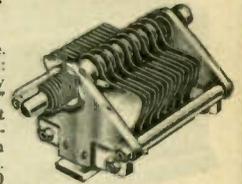
175 Mmfd. 225 Mmfd.

Stock No.	Your Cost	No. of Sections	Stock No.	Your Cost
W14430	\$8.10	One	W14575	\$8.10
W14431	10.20	Two	W14576	10.20
W14432	12.30	Three	W14577	12.30
W14433	14.40	Four	W14578	14.40

## TRANSMITTING CONDENSERS

### Low Power Type TMS

Steatite-Insolantite. Insulated. Size: front, 2 1/2" by 1 3/4" high, 2 3/4" long. Conical front bearing, rear bearing radial with single ball thrust. Withstand 1000 volts peak; TMSA units, 2000° volts peak.



For Oscillators, Buffers, Doublers, Etc.

Stock No.	Mfrs. No.	Cap. Mmfd.	No. of Plates	Your Cost
W14550	TMS100	100	10	\$1.35
W14551	TMS150	150	14	1.50
W14552	TMS250	250	28	1.65
W14553	TMS500	50-50	5-5	2.10
W14554	TMS100D	100-100	9-9	2.55

For Low C, Type-210 Amplifiers

Stock No.	Mfrs. No.	Cap. Mmfd.	No. of Plates	Your Cost
W14555	TMSA35	35	8	1.65
W14556	TMSA50	50	11	1.80

## R100 R. F. Choke



For receivers and low-power transmitters. Four sections on Isolantite. With long wire leads. Induct., 2 1/2 mh., d.c. resist., 50 ohms, rating, 125 ma., distributed cap., 1 mmd.

W14429—Your Cost Each **45¢**

## High-Power R. F. Choke

Five honeycomb sections on Isolantite core. 10,000-volt insulation. 0.6 ampere rating, 4 mh. inductance, 10-ohm d.c. resistance, distributed cap., 1 mmd. Type R-152 for 160-mb. band, R-154, 40 m. W14399—Type R-152



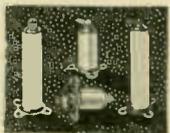
W14394—R-154 Your Cost Each **\$1.35**

## Universal R. F. Choke

For best performance on 20, 40 and 80-meters. Five-section honeycomb type coil on Isolantite core. 0.6 ampere, induct., 1 mh., 6 ohms resistance. W14326—Your Cost **\$1.05**

## Stand-Off Insulators

Isolantite Metal mounted top and bottom. Ideal for r.f. choke cores. Shaped for maximum efficiency.



Stock No.	Type No.	Size—In. Dia. Ht.	Your Cost
W14479	GS-1	1/2 x 1 3/8	15c
W14480	GS-2	3/4 x 2 1/8	21c
W14481	GS-3	1 x 2 3/8	48c
W14482	GS-4	1 1/4 x 3 1/8	60c

## Steatite

Small unit is tapped 1/2 at each end, larger 1/2. Make attractive and efficient job.

Stock No.	Type	Height	Each
W14483	GS-5	1 1/2"	15c
W14484	GS-6	2"	21c
W14485	GS-7	3"	39c

## Air-Tuned Intermediate-Freq. Transformers

Use air dielectric condensers (stacked construction) with aluminum plates and Isolantite insulation. An aluminum plate serves as shield between the capacitors; the rectangular shield can give higher Q; coils are Litz-wound. Shield can measure 4x2 3/4x2". Equipped with spade type threaded bolts for mounting.

W14579—175 kc. i.f. W14581—175 kc. beat osc.  
W14580—450-550 kc. i.f. W14582—450-550 kc. b.o.  
Your Cost Each, Type IFC Units **\$3.00**  
Any Type Listed Above

## Fixed Tuned Exciter Tank, Type FXT

R-39 coil form, two 25 mmd., 2000-volt condensers, Isolantite insulation. Series or parallel hookup—inductive or capacitive coupling. For all bands. In shield can as above. W14570—Shpg. wt. 2 lbs. Your Cost **\$2.70**

## Twin-Diode I. F. Transformer, Type IFD

For new noise silencer circuits, detector and a.v.c. working into diode detector. Air-tuned. Push-pull output. Top tuning. W14324—175 kc. unit. W14325—465 kc. Your Cost Each, Either Type **\$2.10**

## Type "B" Vernier Dial

Ratio variable from 6:1 to 20:1 Black Bakelite shell, 4" diameter. W14367—Clockwise, 200-0 in 360°. W14368—Either direction 0-100-0, 180°. Your Cost Each **\$1.65**

## 5-Meter Mounted Coil

Heavy copper air spaced winding, with Steatite base. For 5 meter transmitters and receivers. W14449—XR-9 complete. Your Cost **27¢**

## Screen-Grid Coupler

Contains 700 henry choke, .01 mfd. condenser, 1/2 - meg ohm leak. Type S-101. Shpg. wt. 3 lbs. W14509—Your Cost **\$3.30**

## Screen-Grid Coupler

Contains 700 henry choke, .01 mfd. condenser, 1/2 - meg ohm leak. Type S-101. Shpg. wt. 3 lbs. W14509—Your Cost **\$3.30**

## Precision Type "N"

Engine-divided scale and vernier of solid German silver, reads to 1/10 of division; 5:1 ratio; dial is 4". W14363—0-100; 180°. W14365—150-0; 270°. W14364—100-0, 180°. W14366—200-0, 360°. Your Cost Each **\$4.05**

## Buffer Form and Base

This coil form, drilled for leads, is of Isolantite 1 1/2" diameter, 3 1/2" long, 1/2" wall. Shpg. wt. 2 lbs. W14571—UR13 complete buffer coil assembly. Your Cost **\$1.35**

## Ceramic Coil Forms

Especially designed for use in transmitters. Threaded and drilled for windings. Can be mounted on plugs or stand-offs. W14347—XR10A—26 turns. Size 2 1/2 x 5". Your Cost Each **90¢**

## Flexible Shaft Coupling

This new gadget combines Isolantite insulation with a short length of flexible shafting. Will drive shaft at any angle up to 90°. Available with plain hubs or with Isolantite. Hubs take 1/2" shafts. W14530—Your Cost **75¢**

## Neutralizing Condenser NC Series

For neutralizing the new tubes. Both plates insulated from ground by glazed Isolantite pillars; micrometer adjustment. Type NC-800 for RCA-800 or similar tubes. Type NC-150 for 75T, 150T, 300 T, 852 etc. W14259—NC-800 Your Cost **\$1.80**

W14253—NC-150 Your Cost **\$3.60**

## Neutralizing Condenser Type STN

For neutralizing 45, 47, 10 and similar tubes in amplifier, buffer or doubler stages. Isolantite insulated. Maximum capacitance, 18 mmd., peak voltage breakdown of 300 V. Shpg. wt. 1 lb. W14476—Your Cost Each **\$1.20**

## Experimenter's Units

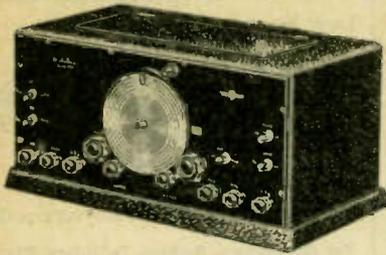
No non-corrosive brass plates mounted on a sturdy frame. For receivers or low-power transmitters. Shpg. wt. 1 lb.

Stock No.	Cap. Mmfd.	No. of Plates	Your Cost
W14327*	15	5	51c
W14344*	25	7	51c
W14392*	35	10	60c
W14342	50	6	54c
W14322	100	12	60c
W14343	140	15	75c

\*Double spaced, others are single.

# Hallicrafter's SHORT-WAVE SUPERHETERODYNE

## THE NEW 1937 ULTRA SKYRIDER



A modern engineering achievement—covers 3.7 to 53 meters in four bands: 79.5 to 36.4 mc. (3.7 to 8.2 meters), 38.3 to 19.6 mc. (8 to 15.3 meters), 21.35 to 10.5 mc. (14.1 to 28.5 meters), 11.45 to 5.65 mc. (26 to 53 meters). One of its outstanding features is the use of the new Lamb noise silencer circuit as a part of the receiver proper. This device first described in

"QST" will insure a minimum of noise pickup so annoying at the high frequencies and assists materially in affording noise-free reception. The circuit employs two all-metal tubes: a 6Q7 as a noise silencer detector—1st audio amplifier and a 6J7 noise-silencer amplifier.

### EMPLOYS IRON-CORE EXPANDING I.F.'s

It incorporates a sensitive superheterodyne circuit which uses ten new all-metal type tubes: a 6K7 r.f., 6L7 first detector, 6C5 signal frequency oscillator, 6K7 first i.f., 6L7 second i.f., 6R7 second detector and beat oscillator, 6J7 noise silencer amplifier, 6Q7 noise silencer detector and first audio, 6F6 output and a 5Z4 rectifier. The i.f.'s are arranged with two-step expansion; with the widest expansion it is 50 kc. wide at two times down.

### HAS A STAGE OF CONTROLLED R.F.

Control of the stage of radio-frequency amplification is available by means of a front panel adjustment. The signal frequency oscillator is electron-coupled and its output is fed into a 6L7 first detector. In addition to the control for the stage of radio-frequency amplification, there is provided an audio control, a full-range tone control, a beat oscillator control, a "send-receive" standby switch, crystal filter control (with the model SX-10 which incorporates a crystal filter), antenna compensator, and AVC switch.

**W21060**—New Ultra Sky Rider model S-10 complete with ten tested all-metal Raytheon tubes, less crystal and loud speaker. For 110-volt, 50/60 cycle a.c. operation. Shpg. wt. 44 lbs.

List Price, \$166.00  
**Your Cost**.....**\$99.50**

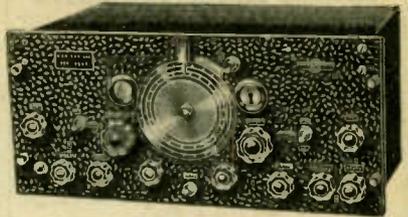
**W21061**—New Ultra Sky Rider model SX-10 complete with ten tested all-metal Raytheon tubes and factory installed and tested crystal, less loud speaker. For 110-volt, 50/60 cycle a.c. operation. List, \$199.00. Shpg. wt. 44 lbs.

**Your Cost**.....**\$114.50**

**W21059**—10" permanent magnet loud speaker mounted in case for models S-10, S-11 and S-12.

**Your Cost**.....**\$12.00**

## THE NEW 1937 SUPER SKYRIDER



Features improved 10-meter performance, 7.5 to 560 meters in 5 bands, two stages of 465 kc., iron-core i.f.'s, single-signal crystal action, air-trimmed r.f.'s, steatite sockets in the f. circuits, 6G5 (Magic Eye), field strength indicator and tone control. The band-spread condenser is incorporated in the main tuning unit for increased efficiency. The antenna circuit is arranged for doublet or conventional type antenna.

### USES NEW "BEAM TYPE" 6L6 OUTPUT

The tube lineup is a 6K7 r.f. stage, 6L7 1st detector, 6C5 oscillator, two 6K7's 1st and 2nd i.f.'s, 6R7 2nd detector-AVC-1st a.f., 6K7 electron-coupled beat oscillator, two 6L6's in output (14 watts undistorted), 5Z3 rectifier and 6G5 field strength indicator. Panel is beautiful Morocco finish, measures 8 3/4" high, 19" long. Can be rack or table mounted.

**W21080**—Model S-11 with 11 Raytheon tubes, less speaker and crystal. For 110 v., 60-cycle a.c. Shpg. wt. 50 lbs.

**Your Cost**.....**\$89.50**

**W21083**—Model SX-11 as above, but with factory installed and tested crystal. Shpg. wt. 50 lbs.

**Your Cost**.....**\$99.50**

**W21059**—10" permanent magnet loud speaker mounted in case for models S-10, S-11 and S-12.

**Your Cost**.....**\$12.00**

## NEW! THE SKYRIDER COMMERCIAL 29 TO 3000 METERS IN FIVE BANDS

Similar to the Super SKYRIDER in appearance and construction but designed to cover the 600-meter ship band, 800-meter compass, NAA time, weather and news, as well as the short-wave bands. Just the thing for the jeweler or amateur and ship operator who enjoys an occasional watch on the high waves.

The tube complement is as listed above. Two stages of 1600 kc., i.f., amplification are incorporated, as well as all other features found in the Super SKYRIDER. A headphone jack in the first audio stage automatically cuts out the speaker when used.

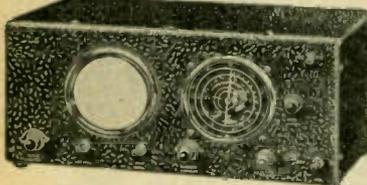
**W21081**—Model S-12 complete with 10 Raytheon tubes, less crystal and speaker. For 110 v., 60-cycle a.c.

**Your Cost**.....**\$99.50**

**W21082**—Model SX-12, as above, but with factory installed crystal-filter. Less speaker. Shpg. wt. 50 lbs.

**Your Cost**.....**\$114.50**

## THE NEW 1937 "SKY-BUDDY"



A real junior model communication receiver at the amazingly low price of \$29.50 complete with built-in power supply, dynamic speaker and all tubes.

There is nothing else to buy—merely plug into any 110-volt, 60-cycle a.c. outlet, connect to aerial and tune in.

Covers 18 to 555 meters

in three bands. Uses iron-core i.f., stage, mechanical band spread, a.v.c., beat switch, headphone jack. Five tubes do the work of eight: 6A7 1st detector-oscillator, 6F7 i. f. and beat oscillator, 75 2nd detector—a.v.c.—1st audio, 42 power output and an 80 rectifier. Housed in a crystalline black metal case, 17x7 1/2 x 8 3/8" deep.

**W21062**—New Hallicrafter Sky-Buddy complete with 5 Raytheon tubes, speaker and power supply. For 110-volt, 50/60-cycle a.c. operation. Shpg. wt. 22 lbs.

**Your Cost Complete**.....**\$29.50**

## NEW! THE SKYCHIEF SEVEN

Designed expressly for the transmitting amateur and advanced short-wave listener. Includes features found in high-priced receivers. It covers all the short-wave, broadcast, amateur and code bands with the highest efficiency. Three bands are employed to cover 17 to 560 meters. Features include 465 kc. iron-core i.f. stage, a.v.c. action, 4 watts undistorted power output, continuous mechanical band spread, tone control, beat frequency control on panel, "send-receive" switch, headphone jack, built-in Jensen dynamic speaker, shading and noise suppression and high-gain preselection on all bands.

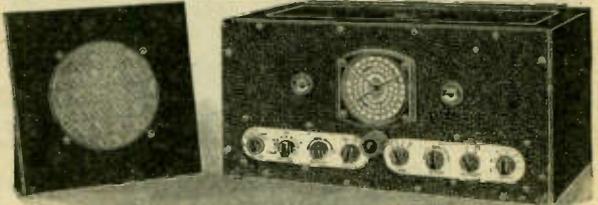
### 6G5 SIGNAL STRENGTH INDICATOR

Employs seven latest type tubes to obtain ten-tube performance, a 78 r.f., 6A7 1st detector-oscillator, 6F7 i.f. and beat oscillator, 75 2nd detector and 80 rectifier. Housed in the same cabinet described above.

**W21079**—Hallicrafter Sky Chief complete with seven tested Raytheon tubes and built-in power supply and speaker. For 110 volts, 60 cycles a.c. Shpg. wt. 43 lbs.

**Your Cost Complete**.....**\$44.50**

## RCA ACR-175 ALL-METAL TUBE SHORT-WAVE SUPER COVERS 5 and 10 METER BANDS (5-600 meters)



RCA presents the new ACR-175 short-wave communications receiver at a price within reach of every amateur and complete with every modern development. It includes the 5 and 10-meter bands within its tuning range (5-600 meters-500-60,000 kc.) and is supplied complete with crystal, all tubes, power supply and loud speaker. There is nothing else to add or buy—merely plug into any 110-volt, 25/60-cycle a.c. outlet.

A modern superheterodyne circuit employs the following all-metal tube complement: 1-6H6, 2nd detector and a.v.c., 3-6K7 r.f. and i.f. amplifiers, 2-6J7 oscillators, 1-6L7 1st detector, 1-6F5 1st audio amplifier, 1-6F6 audio output, 1-5Z4 rectifier and a 6E5 electron-ray tube for visual tuning and signal strength indication. A stage of tuned r.f. amplification is used on the three bands covering 500 to 15,500 kc., thus assuring low-image frequency response and high signal-to-noise ratio. A separate rejection filter in the antenna circuit minimizes jamming from commercials operating near the i.f.

### CALIBRATED FOR SIGNAL STRENGTH

Controls are: (1) combined power, tone control, standby switch; (2) calibrated signal-input control; (3) selectivity (crystal phasing) control; (4) automatic volume control "on-off" switch; (5) dual ratio vernier control; (6) range switch; (7) audio gain control; (8) beat oscillator "on-off" switch; (9) calibrated heterodyne control.

The entire unit (except the speaker) is housed in a metal, black crackle finished cabinet with a handsome white control panel and dial. Size: 22" long, 10 1/2" high, and 11 1/2" deep.

**W21100**—RCA ACR-175 communications type short-wave receiver complete with crystal, all tubes, power supply, 8" external dynamic speaker and book of complete instructions. For 105-125 volts, 25-60 cycles a.c. Shpg. wt. 65 lbs.

**Your Cost**.....**\$119.50**





# Hammarlund "SUPER PRO" Receiver AND SHORT-WAVE EQUIPMENT

HAMMARLUND'S 25<sup>TH</sup> YEAR



## 15 TO 560 METERS—5-BAND TUNING

Features: dial accurately calibrated in kilocycles and megacycles, audio gain, r.f. gain, i.f. gain, selectivity control, beat frequency control, tone, speaker-phone switch, send-receive switch, a.v.c.-manual switch and c.w.-modulation switch.

### USES 4 AIR-TUNED I. F.'S

Fifteen modern tubes are used in a precision superheterodyne circuit as follows: 2-6D6 r.f. on all bands, a 6C6 electron coupled oscillator, 6C6 beat oscillator, 6A7 1st detector, 3-6D6's as i.f.'s, a 6B7 combined 4th stage and double-diode 2nd detector, 6B7 separate amplified a.v.c., 76 1st audio, 42 driver, 2-42's outputs, a 5Z3 rectifier and a 1-V grid bias rectifier. The main tuning dial is accurately calibrated in megacycles in ranges of 2.5 to 5.5 to 10 and 10 to 20; in kilocycles from 540 to 1160 and 1160 to 2500. The h.f. ranges each have a 2 to 1 frequency range.

The dial is equipped with an ingenious mechanical shutter which operates in con-

junction with the band-changing switch, making visible only the frequency band in actual use. The receiver is housed in a black crystalline lacquer finished steel case 18" wide, 14 1/2" deep and 10 1/2" high. The power supply measures 13x7 1/2 x 8 1/2" high.

**WZ1040**—"Super-Pro" complete with tubes, power supply and Jensen C-8-R 8" dynamic speaker. SP10. Table model. Wt. 65 lbs.

Your Cost... **\$223.44**

**WZ1041**—"Super-Pro" as above but with crystal filter. SP10X. Table model.

Your Cost... **\$241.08**

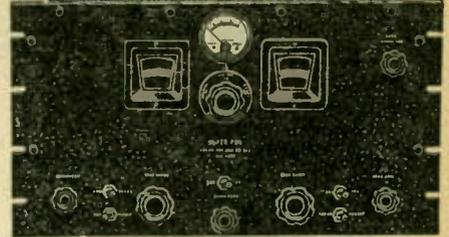
**WZ1042**—"Super-Pro" as above, equipped for rack-panel mounting. Less crystal. Standard 19" panel. SPR10.

Your Cost... **\$245.50**

**WZ1043**—"Super-Pro" rack-type with crystal filter. SPR10X.

Your Cost... **\$263.13**

For Complete Details Send for Free Descriptive Booklet.



- ★ 2 R. F. STAGES ON ALL BANDS
- ★ FIFTEEN HIGH GAIN TUBES
- ★ ELECTRICAL BAND SPREAD
- ★ THREE HI-FI AUDIO STAGES
- ★ WITH VISUAL TUNING METER
- ★ SEPARATE GRID BIAS SUPPLY
- ★ COVERS BROADCAST BAND

### Type "T" Mica-Tuned I. F. Transformers



Designed for experimental and replacement purposes. Lattice-wound coils impregnated against moisture. 465 kc. units are Litz-wound. Condensers are highest grade mica type on Isolantite base and are adjustable from top of shield can. Shield is 2 1/2" diameter by 3 1/2" high. Threaded lugs for mounting on 2" centers. With a.g. caps.

Not Tapped W8539  
Peaked At 175 kc. W8466  
Center Tapped 465 kc. W8467

Your Cost Each, Any Type... **97c**  
W8541—465 kc. beat oscillator for above.  
Your Cost Each... **\$1.18**

### Variable Coupling I. F. Air-Tuned Transformer

Continuously variable coupling to offer maximum in fidelity or selectivity as you choose. Three-pie Litz windings on Isolantite. Tuning condensers are of the air-type; both mounted on side of can. Coupling may be fixed or varied from front of panel using unit listed below. Aluminum shield can is 2x2" by 5" high. Equipped with screen-grid cap.



**W8537**—For 465 Kilocycles  
**W8536**—For 175 Kilocycles  
Your Cost Each, **\$3.23**  
Either Type...  
**W8536**—Type VTC panel control unit for up to 4 i.f.'s.  
Your Cost Each... **\$1.47**

### Litz-Wound Air-Tuned I. F. Transformers



These units will retain their original settings to within 1/10 of 1%. Coils are Litz-wound, condensers of air-dielectric type. Exceptional "Q" of 115 with gain of 200 per stage. Beat oscillator has lever to obtain 1000 or 1500 kc. note. Mounted by 2 screws through bottom of shield can. Type ATP.

Not Tapped W8542  
Peaked At 465 kc. W8495  
Center Tapped 175 kc. W8493  
W8543—465 kc. beat oscillator.  
Your Cost Each, **\$2.65**  
Any Type...

### STAR Midget Condensers



Non-corrosive aluminum plates, Bakelite insulation. Single-hole mount, 1/4" shaft. Wiper spring contact to rotor plates insures perfect contact.

Stock No.	Cap. Mmfd.	Depth Inches	Your Cost
W8482	15	1 1/8	49c
W8483	25	1 1/8	
W8484	50	1 1/8	53c
W8485	100	1 1/8	58c
W8486	140	1 1/8	73c
W8487*	35	1 1/8	59c
W8489*	50	1 1/8	73c

\*Double-spaced transmitting units.

### Band Spread Midgets

Tank section has capacitance of 100 mmfd. and can be set and locked. Isolantite. 1/4" shaft front and rear for ganging. Ideal for ham receivers or frequency meters.



Stock No.	Type No.	Cap. Mmfd.	Your Cost
W8516	MC120B	20	\$1.76
W8517	MC150B	50	1.91
W8518	MC175B	80	2.06

### Dual-Spaced Midgets

For transmitters; .0175" air gap; Isolantite insulation; single-hole mount; compact.

Stock No.	Type No.	Cap. Mmfd.	Your Cost
W8468	MC20SX	25	\$1.18
W8488	MC35MX	33	1.32
W8489	MC50MX	50	1.62
W8490*	MC D35MX	33-33	2.06

\*Split-stator condenser.

### MICA TRIMMERS



Isolantite bases. "A", (type MICS), is 1 1/2" x 1 1/2", mounting centers 1 1/4". "B", (type MEX) is only 3/4" x 3/4"; for use in small spaces, self-supported in wiring.

Stock No.	Type	Cap. Mmfd.	Your Cost Ea.
W9952	A	10-70	29c
W9953	A	70-140	35c
W9954	A	140-220	41c
W9955	A	600-1000	59c
W9747	B	3-30	18c

### Improved Midget Units

Non-corrosive plates; Isolantite insulation; fitted bearings; 4-point bronze wipers; single-hole mount; bushing lock for fixed work; can be ganged; .0245" air gap; test 500 volts a.c.; plates are of soldered brass; stop is provided; all are clockwise rotation.



Stock No.	No. of Plates	Cap. Mmfd. Min.-Max.	Your Cost
W8503*	3	3-20	50.82
W8504*	5	4-35	.88
W8505*	7	5-50	.94
W8506†	11	6-80	1.18
W8507†	11	6-80	1.18
W8508*	14	6-100	1.32
W8509†	14	6-100	1.32
W8510†	19	7-140	1.47
W8511†	27	10-200	1.62
W8512†	34	10-250	1.76
W8513†	43	12-320	2.06

### Dual Midget Condensers

Isolantite base; soldered brass plates; .015" air-gap; only 1 1/2" x 1 1/2" x 1 1/2" high. Screw-driver adjustment; maintain constant capacity under all climatic conditions. Type APC.

\*Semi-circular plates; †Midline

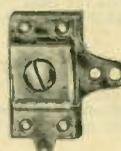
### Air-Padding Condensers

Isolantite base; soldered brass plates; .015" air-gap; only 1 1/2" x 1 1/2" x 1 1/2" high. Screw-driver adjustment; maintain constant capacity under all climatic conditions. Type APC.

Stock No.	Cap. Mmfd. Min.-Max.	Your Cost
W8623	3 25	50.76
W8624	4 50	.88
W8625	5 75	1.00
W8626	6 100	1.12

### Equalizers

Mica dielectric; Bakelite base; phosphor bronze plates; Size of base 1 1/4" by 1 1/4". May be attached directly to binding post of socket, etc.



W9748—3 to 35 mmfd.  
Your Cost Each... **15c**  
W9749—25 to 80 mmfd.  
Your Cost Each... **24c**

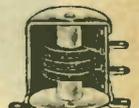
### Shaft Coupling



Bakelite canvas; brass bushings for 1/4" shafts; 4 set-screws for shaft; overall diameter 1 1/2".  
W8412—  
Your Cost... **35c**

### Shielded R. F. Choke

Shielded for use in hi-gain circuits. 3 universal-wound pies. Inductance, 10 mh., d.c. resistance, 65 ohms, rated at 100 ma. 1 1/4" diameter.



W8523—Type CH10S  
Your Cost Each... **59c**

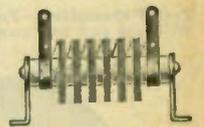
### Isolantite R. F. Choke

For short- and ultra-short-wave receivers and transmitters. 4 windings carry 125 ma., inductance 8 mh., d.c. resistance 70 ohms. Is 1 1/4" x 1/2".

W8524—Type CH-8  
Your Cost Each... **65c**

### Heavy-Duty R. F. Choke

For hi-power rigs working in the 20, 40, 80 and 160-meter bands. Six pies on Isolantite core carry 500 ma., continuous. Inductance 2.5 mh., d.c. resistance 8 ohms.



W8522—Type CH-500  
Your Cost Each... **\$1.03**

### MIDGET R. F. CHOKE

5 universal-wound pies on Isolantite core 1 1/4" long, 1/2" in diameter. Inductance 2.1 mh., d.c. resistance 35 ohms, rated at 125 ma. With long, tinned copper leads. An efficient space-saver.

W10002—Type CH-X  
Your Cost Each... **44c**

### Isolantite Coil Forms

Equipped with a black enameled grip handle. Size 1 1/4" diameter, 2 1/4" high, form only. Ample holes are provided for taps, etc.

W10056—4-prong form  
W10057—5-prong form  
W10058—6-prong form

Type CF  
Your Cost Ea... **59c**

### H. F. ACORN SOCKET

Isolantite base. Silver-plated double-grip spring clips. 1 1/4" diameter. Aligning plug. W8473—Type

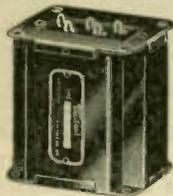
S-900  
Your Cost Each... **88c**

WRITE FOR FREE COPY OF COMPLETE "HAM" CATALOG

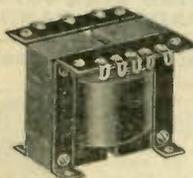


# Truest XMITTING TRANSFORMERS and CHOKES

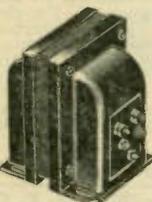
The TRUTEST transformers and choke coils listed on this page cover practically all the popular types used in amateur stations. In the event that you should require a unit not listed here, we will be glad to quote you low wholesale prices on specifications submitted by you.



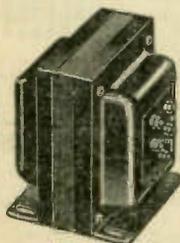
**Type D Mounting**—Fully shielded. Can be mounted so as to have the terminals above or below chassis.



**Type E Mounting**—Open type. Has terminal strip on Bakelite.



**Type F Mounting**—Fully shielded. With nut and bolt terminals.



**Type G Mounting**—Fully shielded.

## PLATE TRANSFORMERS

All primaries for 115 volts, 50/60 cycles, a.c. Where voltage is specified (ct.) divide by two to obtain voltage each side.

Stock No.	Mount. Type	Load Ma.	Volts Plate and Fil.	Size Inches	Your Cost
W1517	C	150	800 ct.; 2½ v. ct.-5 a.; 2½ v. ct.-12 a.; 5 v.-3 a.	4¾ x 3¾ x 4½	\$3.25
W5539	G	200	1000 ct.; 2½ v. ct.-14 a.; 5 v.-3 a.	4¾ x 3¾ x 4½	4.00
W1516	C	175	1160 ct. 2½ v. ct.-10 a.; 2½ v. ct.-3 a.; 5 v. 3 a.	4¾ x 3¾ x 4½	3.75
W5540	G	200	1200 ct. 2½ v. ct.-10 a.; 7½ v. ct.-3 a.; 5 v.-3 a.	5¾ x 3¾ x 4½	4.95
W5521	G	150	800-0-800	5¾ x 3¾ x 4½	3.75
W2551	B	200	550-0-550	5¾ x 4¾ x 4¾	5.75
W5522	C	250	800-0-800	6¼ x 4¾ x 4¾	5.50
W5523	H	350	900-750-0-750-900	6 x 4¾ x 4¾	8.50
W5524	H	500	1400-1250-0-1250-1400	7¾ x 7¾ x 7½	16.00
W5525	H	400	2000-1600-0-1600-2000	7¾ x 7¾ x 7½	24.75
W5526	A	500	3000-2500-0-2500-3000	15 x 10¾ x 9½	32.50
W5527	H	200	1400-1250-0-1250-1400	7 x 6¾ x 5½	10.00

## FILAMENT TRANSFORMERS

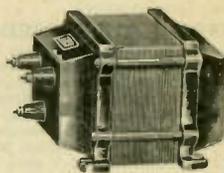
Stock No.	Mount. Type	Windings Volts and Amps.	Insula. Volts	Size Inches	Your Cost
W2542	B	2½ v. ct. 10 a.	10,000	4¾ x 4¾ x 3½	\$3.40
W2544	B	7½ v. 5 amps	5,000	4¾ x 4¾ x 3½	3.25
W2545	B	7½ v. ct. 8 a.	5,000	4¾ x 4¾ x 3½	3.75
W2546	B	10 v. ct. 8 a.	5,000	4¾ x 4¾ x 3½	3.75
W2547	E	10 v. ct. 4½ a.	2,500	3¾ x 2¾ x 3¾	1.75
W2549	E	2½ v. ct. 5 a. (2) 5 v. ct. 3 a.	2,500	3¾ x 2¾ x 3¾	1.75
W2031	E	2½ v. 5 a.; 5 v. 3 a.; 7½ v. 3 a.	2,500	3¾ x 2¾ x 3¾	1.75
W2032	E	2½ v. 5 a.; 7½ v. 3 a.; 7½ v. 3 a.	2,500	3¾ x 2¾ x 3¾	1.75
W2033	E	3 secondaries, 7½ v. at 3 a.	2,500	3¾ x 2¾ x 3¾	1.75
W2034	E	7½ v. 3 a. (2) 5 v. 3 a.	2,500	3¾ x 2¾ x 3¾	1.75
W5508	E	2½ v. ct. 20 a.	2,500	3¾ x 2¾ x 3¾	1.50
W5509	E	7½ v. ct. 6½ a.	2,500	3¾ x 2¾ x 3¾	1.75
W5510	E	10 v. ct. 6½ a.	2,500	3¾ x 2¾ x 3¾	2.00
W5511	E	6.3 v. ct. 5 a.; 5 v. ct. 6 a.	2,500	3¾ x 2¾ x 3¾	2.00
W5512	E	2½ v. ct. 12 a.	5,000	3¾ x 2¾ x 3¾	1.75
W5513	E	5 v. ct. 3 a. (2) 5 v. ct. 6 a.	2,500	3¾ x 2¾ x 3¾	2.00

## SMOOTHING AND SWINGING CHOKES

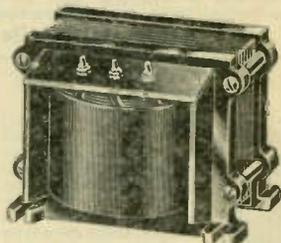
Stock No.	Mount. Type	Induc. Hen.	Ma.	Resis. Ohms	Dimensions Inches	Your Cost
W5518*	F†	5/25	200	140	4¾ x 3¾ x 4¾	\$2.50
W5519*	G**	5/25	300	105	4¾ x 3¾ x 4¾	3.75
W5520*	G**	5/25	500	70	6¼ x 3¾ x 4¾	6.50
W2535*	B†	5/25	750	40	12 x 7½ x 5½	11.25
W5515	F†	12	200	140	4¾ x 3¾ x 4¾	2.50
W5516	G**	12	300	105	4¾ x 3¾ x 4¾	3.75
W5517	G**	12	500	70	6¼ x 3¾ x 4¾	6.50
W2536	D†	15	150	110	4¾ x 3¾ x 4¾	2.40
W2537	D**	15	250	100	5 x 3¾ x 4¾	3.95
W2538	D**	30	150	130	5 x 3¾ x 4¾	3.95
W2539	B**	30	250	100	5½ x 6¾ x 4¾	6.75

(\* Indicates swinging types—others are smoothing chokes. (†) Breakdown voltage, 1000; (\*\*) 2000 volts; (‡) 3000 volts.

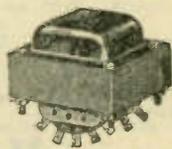
All TRUTEST components are fully guaranteed under RMA standards and are individually tested and constructed to conform with the highest standards of the industry. Design and materials are such as to withstand unusually severe service over long periods.



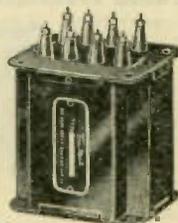
**Type A Mounting**—Totally enclosed. Massive die-cast frame with metal end covers. Terminals are of the ceramic stand-off type.



**Type B Mounting**—Open type with Bakelite terminal plate and heavy die-cast frame. Slotted legs.



**Type C Mounting**—Flush mounting type in combination models only.



**Type H Mounting**—Similar to type D, but equipped with ceramic stand-off insulators.

## OUTPUT TRANSFORMERS

W2559—Primary 10,000 ohms with ct. for class "A" push-pull 59 triodes, 71A's, 2B6's, single 210, 41, 268A, 2A3; class "B" push-pull 49's, 53's, 79's, 89's. Also 6000 ohms for class "A" push-pull 62A's, single 31, 46, 59. Secondary 3500-5000 ohms. D mounting. 4¾ x 3¾ x 4¾". Shpg. wt. 6 lbs.  
**Your Cost Each \$3.50**

## NEW CLASS "B" OUTPUT UNIT

W5628—Primary designed to match, push-pull 838's or 203A's in class "B" into 6,000, 5,000, or 3,500-ohm r.f. load. Will handle 260 watts of audio frequency. Type H mounting, 7x5½x6½". Shpg. wt. 30 lbs.  
**Your Cost Each \$16.25**

## CLASS "B" INPUT TRANSFORMERS

W2557—Push-pull 45 or 59 plates to two 210, 800, 830 or RK-18 grids. Type D mounting, 3½ x 2½ x 3½". Shpg. wt. 5 lbs.  
**Your Cost Each \$3.95**

W2558—Push-pull 250 or 2A3 plates to two 203 grids. Type D mounting, 3½ x 2½ x 3½". Shpg. wt. 5 lbs.  
**Your Cost Each \$4.75**

W5538—Driver 45, 42 or 2A5 plate to 2A5, 42 or 45 "A" prime grids. Type D mounting, 3½ x 2½ x 3½". Shpg. wt. 5 lbs.  
**Your Cost Each \$2.75**

## PLATE TRANSFORMER SPECIALS

W1512—This brute will lend sock to your rig. 1000-800-0-800-1000 volts at 300 ma. Type E, sturdy uncase mounting. Primary 115 v., 50/60 cycles a.c. Shpg. wt. 13 lbs.  
**Your Cost, Special. \$5.90**

W1513—A real high power job for the medium power transmitter. 1500 volts center-tapped, at 200 ma. Type E mounting. Shpg. wt. 8 lbs.  
**Your Cost Special. \$2.75**

## 300 MA. SMOOTHING CHOKE

W1514—A fitting match for the above or similar units. A real low ohmic resistance, 100 ohms, insures good regulation. Inductance 12 henrys, current carrying capacity 300 ma. Type E mounting. Shpg. wt. 8 lbs.  
**Your Cost Special \$2.65**

## Suppressor Grid Modulation Transformers

W5498—Push-pull plates to suppressor grid of one or two RK20 or similar type tubes. Type D mounting. Shpg. wt. 6 lbs.  
**Your Cost Each \$3.45**

W5499—Single 2B6 or 6B5 plate to one or two RK-20 or similar type tube grids. D mounting. Shpg. wt. 6 lbs.  
**Your Cost Each \$3.45**



# TRANSMITTING Accessories



## UNIVERSAL TRANSCEIVER SETS



Encased in highly polished molded Bakelite, weighs only 15 ounces. Include 6-foot multi-connector cord. Double button unit has resistance of 200 ohms per button. The receiver in each is an extremely sensitive unit. Shpg. wt. 3 lbs.

**W14043**—Single button, output minus 38 db. **\$5.88**  
Your Cost.....

**W13592**—Double button, output minus 55 db. **\$8.24**  
Your Cost.....

## Stromberg-Carlson HAND MICROPHONE



Ceramic-insulated 200-ohm button with curvilinear diaphragm. Output level minus 18 db. Matching impedance 100 ohms. Can be operated in any position, not affected by normal humidity and will withstand severe shock. 9" long; with 2-foot cord.

**W13596**—Your Cost **\$4.95**

## DEAGAN Station Chimes

For Ham And Broadcast Station



Four perfectly pitched notes tuned to a perfect chord impossible to play out of tune. Simulates bugle calls, clock tower chimes, etc. Complete with hammer and book of directions and 80 selections. 12 1/2 x 8 3/4 x 3". Shpg. wt. 6 lbs.

**W14013**—Your Cost **\$4.50**

# BLILEY CRYSTALS

## LD2 Ham Frequency Crystals

The finest crystal available for the amateur bands at a moderate price. Guaranteed coefficient of 4, or under, cycles/mc./°C. Temperature control is not essential. Frequency guaranteed within .03% when operated under normal conditions. Mounting is of molded Bakelite with electrodes of stainless steel, machine-lapped. Fits any standard 5-prong socket. For 40, 80 and 160-meters.

**W13585**—Specify freq. desired **\$4.80**  
Your Cost Complete.....



## HF2 20-METER MOUNTED CRYSTAL

Offers control for 20, 10 and 5 meters. Easily excited; frequency drift only 20 cycles/mc./°C. Holder of Victrol G and plugs into any standard 5-prong socket. Furnished within 0.2% of your specified frequency in the 20-meter band or between 14.4 and 15.0 mc., for frequency multiplying to 10 and 5 meters. Specify frequency desired.

**W13515**—14.0-14.4 mc. **W13497**—14.4-15.0 mc. **\$7.50**  
Your Cost Complete, Either Type.....

## BLILEY Crystal Holder

Crystal holder of molded Bakelite to fit tube socket base. 20-40 meter and 80-160 meter types. Diameter, 2", height 1" excluding pins, weight, 1 1/4 ounces. Will fit the usual 5-prong socket.

**W13098**—20-40 meter. **W13099**—80-160 meter. **\$1.00**  
Your Cost, Either Type.....

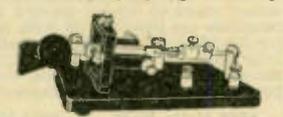
## DUNCO RA1-RD1 Relays

Both units are of the compact type and differ only in coil size. Each has two isolated contacts for radio or power circuits. RA1 has 60-cycle 2.5 volt coil; RD1 has 5 to 6 volt d.c. winding. Dimensions, 1 1/2 x 2 x 1 1/8" deep. Shpg. wt. 2 lbs.

**W14030**—RA1 **\$2.00**  
Your Cost.....

**W14031**—RD1 **\$2.00**  
Your Cost.....

## New No. 515 Speed Key



Biggest speed-key value today. Similar to 501 but smaller; white nickel finish, base black wrinkle; fully adjustable. Base 2 1/2 x 6 1/4 x 1 1/2". Case-hardened bearings. Fully guaranteed to give complete satisfaction.

**W14033**—Your Cost **\$4.85**

## Model 301 Ham Key

Designed especially for the amateur. Pure silver contacts. Bakelite base; all metal parts chromed. Ideal for the beginner, can be used for practice and on the air.

**W14040**—Your Cost **\$1.12**

## Hi-Frequency Buzzer

Constant frequency buzzer for practice or modulation work. 2 ohms resistance. Shpg. wt. 1 lb.

**W14021**—Your Cost **64¢**

## BC3 HAM Crystals

Of the X-cut power type. Accurate within .03% of rated frequency. 23-cycle drift. For 40- and 80-meter bands only. Complete with Bakelite molded holder. Specify frequency and accuracy desired when ordering. (Plus or minus.)

**W13531**—Your Cost as Listed.  
10 Kc. 5 Kc. 1 Kc. Exact  
**\$3.95 \$4.90 \$5.90 \$7.50**



## NATIONAL Code Oscillator

Contains 4 cells to supply all voltages to a 30 tube. Ideal as an audio signal source, code practice oscillator, etc. Type CPO. Shpg. wt. 6 lbs.

**W14018**—Oscillator less tube and batteries. **\$3.60**  
Your Cost.....

## SIGNAL KEYS & PRACTICE SETS

### R68 Code Practice Sets



Key and high frequency buzzer on polished hardwood base. For code practice and two-way communication. Hook battery to terminals and it is ready for code practice. With metal code plate on base. Base 7 x 4 3/4". Shpg. wt. 2 lbs.

**W14001**—Less cell. **\$2.00**  
Your Cost.....

### R69 Junior Code Set

Similar to above but with metal base. Serves the purpose fully and inexpensively at that. Has code printed on a metal plate and fastened to the base. With binding posts and rubber feet. Non-adjustable buzzer. Wt. 2 lbs.

**W14014**—Your Cost **\$1.03**

### High Frequency Buzzer

High frequency buzzer for modulating a c.w. carrier or for making code practice set. Black crystalline case. Adjustable. Shpg. wt. 1 lb.

**W14006**—Your Cost **82¢**

## New *Thutest* X'tal FOR 20-METER BAND

At last a reliable crystal for 20-meter fundamental control, and priced as usual for the ham. Has a drift of approximately 20 cycles/mc./°C., positive and is accurate within 1/10 of 1%. Complete with holder described below. Furnished at a frequency in the band but available at your specified frequency with slight delay for grinding.

**W13500** Complete. **\$5.75**  
Your Cost.....



Lafayette Crystal Holders have solid brass plates, Bakelite case, phosphor-bronze spring, fits any 5-prong socket. 1 1/2" high by 1 1/8"; illustrated above.

**W13192**—For 80 and 160-meter. **W13190**—For A-T cut. **W13191**—For 40-meter. **89¢**  
Your Cost Each, Any Type.....

## *Thutest* CRYSTALS

Ground from the finest quartz. Approximately 1" sq. with rounded corners. X or Y cut accurate within 1/10 of 1% or better. Specify frequency and cut desired and we will supply nearest stock crystal.

Stock No.	Frequency Kilocycles	Your Cost
<b>W13501</b>	7000-7300	<b>\$3.75</b>
<b>W13502</b>	3500-4000	<b>\$2.45</b>
<b>W13503</b>	1700-2000	
<b>W13504</b>	500-1700	<b>\$3.95</b>

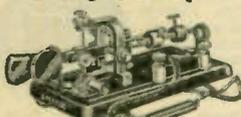
## Oscillating Blanks

Quartz blanks about 1" square with rounded corners. Furnished X or Y cut for 80-meter band, but uncalibrated. Specify cut. A reliable crystal for home grinders.

**W13461**—Your Cost **\$1.75**

## SPEED-X X'MITTING KEYS

### Model 501 Hi-Speed



From 9 words per minute to any speed. Solid silver contacts; all chrome finished. Will hold adjustments at all speeds. A real commercial beauty for hams and pro's. Shpg. wt. 5 lbs.

**W14028**—Your Cost **\$7.35**

Model 511 resembles the above but a smaller model ideal for the ham. Fully adjustable. All chrome finished. Shpg. wt. 5 lbs.

**W14029**—Your Cost **\$6.17**

### Model 321 Senior Key

For the old timer and the ham who is to start right. 1/4" silver contacts. Chrome and black finish. All metal base highly insulated. A favorite with all operators. Shpg. wt. 4 lbs.

**W14039**—Your Cost **\$1.91**

### R-50 Amateur Key

Black cast base. Coin silver contacts. Nicked parts. Shpg. wt. 2 lbs.

**W14009**—Your Cost **88¢**

### TELEGRAPH KEY

A telegraph key with a switch to close contacts. Polished lacquered brass base. Key and switch lever nickled. Shpg. wt. 4 lbs.

Type M100 **\$1.75**  
**W14017**—Your Cost.....

R48, as above, less switch. **W14005**—Your Cost **\$1.65**

### Adjustable X'tal Holder

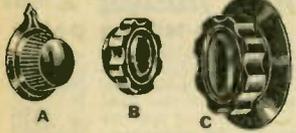
Molded Bakelite holder. Thumb screw adjustment. Shpg. wt. 1 lb.

**W13559**—Standard prongs. **W13560**—With GR. type plugs. **79¢**  
Your Cost Each, Either Type.....

Send for our new amateur catalog No. 66W—it's free.

# Transmitting Equipment

## TRANSMITTER KNOBS



Used with dials listed below. Of finest brilliant Bakelite with brass inserts for 1/4" shafts.

**W9896**—Type A. 1 1/2" diameter, with pointer **16c**  
**Your Cost Each**

**W13014**—Type B. 1 1/2" diameter, knurled edge. **17c**  
**Your Cost Each**

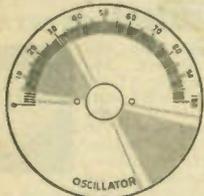
**W13013**—Type B. 1 1/2" diameter, knurled edge. **23c**  
**Your Cost Each**

**W13012**—Type B. 2 3/4" diameter, massive type **28c**  
**Your Cost Each**

**W13011**—Type C. 2" diameter, with smooth skirt **28c**  
**Your Cost Each**

**W13010**—Type C. 3" diameter, for larger dial **37c**  
**Your Cost Each**

## Etched Metal Dials



Polished nickel-silver with black etched markings. 4" diameter, 1 1/2" mounting centers. Marked: **Amplifier Plate, Amplifier Grid, Oscillator, Antenna, Buffer, Buffer-Doubler, Blank.** Specify marking desired.

**W9858**—Your Cost Each. **41c**

As above, but 2 1/2" diameter. Available marked **Neutralization**; and blank. **33c**

**W9857**—Your Cost Each. **33c**

As above, 2 1/4" diameter; **Gain** only. **23c**

**W9903**—Your Cost Each. **23c**

## GENERAL ELECTRIC HEAVY DUTY CAPACITORS

Pyralon Filled; with Porcelain Standoffs

Stock No.	Cap. Mfd.	D.C. Working Volts	Your Cost
W3753	1	1000	\$1.76
W3754	2	1000	2.65
W3755	4	1000	4.12
W3756	1	1500	2.20
W3757	2	1500	3.67
W3758	4	1500	5.29
W3759	1	2000	3.09
W3760	2	2000	4.70
W3654	4	2000	6.46

## CORNELL-DUBILIER "TD" Oil-Filled Condensers

These extremely compact condensers are a special oil-impregnated and oil-filled development. They are particularly suited for transmitters and hi-voltage p.a. amplifiers. 1" long, 1" wide. Shpg. wt. 1 lb., each.

Stock No.	Cap. Mfd.	Wkg. Volts	Ht. In.	Your Cost
W2994	1	600	2 1/4	\$1.03
W2995	2	600	2 3/4	1.62
W2996	4	600	4	2.65
W2997	1	1000	2 3/4	1.47
W2998	2	1000	4	2.65
W3004	4	1000	4 3/4	4.12
W2999	1	1500	2 3/4	2.20
W3000	2	1500	4 3/4	3.67
W3005	4	1500	4 3/4	5.29
W3001	1	2000	4 3/4	3.09
W3003	2	2000	4 3/4	4.70

## Truest Transmuting Condensers

Oil-impregnated paper dielectric. Finest foil obtainable. In heavy metal housing wax-filled and sealed. Black japanned finish. Terminals on porcelain stand-offs equipped with soldering lugs. Especially designed for use in transmitters and high-power amplifiers. Size 5x5 1/2" to 2" according to capacitance. Shpg. wt. 2 lbs.

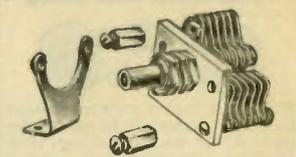
Stock No.	Cap. Mfd.	Wkg. Volts	Your Cost
W3234	1	1000	\$1.10
W3235	2	1000	1.50
W3236	1	1500	1.45
W3237	2	1500	2.00
W3238	1	2000	1.75
W3239	2	2000	2.45

## AEROVOX Hi-Voltage Oil-Filled and Impregnated Transmitting Units

Dielectric 100% pure linen paper; oil-impregnated and oil-filled; hermetically sealed in round aluminum cans; heavy terminals mounted on ceramic stand-offs. These units are furnished with mounting rings.

Stock No.	Cap. Mfd.	Wkg. Volts	Size-Ins. Dia. Ht.	Type No.	Your Cost
W4793	1	1000	2 x 5 1/2	1005	\$1.59
W4794	2	1000	2 x 5 1/2	1005	1.97
W4795	4	1000	2 1/2 x 5 1/2	1005	2.85
W4796	1	1500	2 x 5 1/2	1505	1.67
W4797	2	1500	2 1/2 x 5 1/2	1505	2.30
W4798	1	2000	2 x 5 1/2	2005	2.09
W4799	2	2000	2 1/2 x 5 1/2	2005	2.79

## CARDWELL TRIM-AIR MIDGET CONDENSERS



Isolantite insulation (except 140-mmd. type); can be ganged for sub-panel or shelf mounting. Supplied with detachable shaft and single-hole mount fittings. Used in receivers and transmitters.

Stock No.	Max. Cap. Mmfd.	Type	Your Cost
W8631	15	ZR15AS	\$0.73
W8632	25	ZR25AS	.82
W8633	35	ZR35AS	.88
W8634	50	ZR50AS	.94
W8635	75	ZU75AS	1.00
W8636	100	ZU100AS	1.03
W8637	140	ZU140AS	1.85
W8630	30	ZT80AS	1.09
W8599	Type ZV57S	new ultra h.f. trim-air. 3 plates; for 5 meter. Cap., 5 mmd.; split, 1.2.	<b>73c</b>
W8638	Mounting bracket with 2 screws and nuts.		<b>6c</b>
W8639	Extension shaft for ganging midgets.		<b>4c</b>
W8640	Mounting posts with screws and lock washers.		<b>6c</b>

## HOYT Hot-Wire Antenna Ammeter



For measuring the output of any transmitters. Not affected by variations in frequency. 3" overall diameter; mounts in 2 1/2" hole. Shpg. wt. 1 lb. List price, \$5.50.

W10445—Range, 0-1.5 amperes.  
 W10446—Range, 0-3 amperes.  
 W10447—Range, 0-5 amperes.

**Your Cost, Any Type \$3.23**

## BIRNBACH STAND-OFF INSULATORS



Made of highly glazed porcelain with nickel-plated hardware. Ideal as stand-off for apparatus, aerial lead-in, etc. Hardware can be removed if desired for insertion of any other type of screw or plug. The 4 1/2" unit has a breakdown voltage, conservatively rated, of 10,000. With rods, two make a lead-in.

**Stock**

No.	Size-In. Dia. Ht.	Your Cost
W17061	3/8 x 3/8	4c
W17062	1/2 x 1/2	5c
W17063	1 1/4 x 1 1/4	7c
W17064	2 1/4 x 2 1/4	18c
W17065	3 1/2 x 3 1/2	29c

## STEATITE CONES

Made of white, brilliantly glazed Steatite, offering maximum insulation. For the mounting of condensers, coils, tube sockets and high-frequency apparatus. The sizes listed below are adequate for most needs.

W17001	—5/8" high, 5/8" base diam. threaded both ends 6-32.	<b>6c</b>
W17002	—1" high, 1 1/8" base diam. threaded both ends 8-32.	<b>9c</b>
W17003	—1 1/2" high, 7/8" base diam. threaded both ends 10-32.	<b>12c</b>

## SANGAMO Transmitting Mica Condensers

Dielectric is finest ruby mica and the entire condenser cased in brown molded Bakelite. Screw terminals are provided on both sides of each unit for flexibility of hookup. Overall dimensions are 1 1/2" long, 1/2" thick (varies slightly with capacitance) and 1 3/8" wide. These condensers are impervious to climatic and temperature changes.



1000 Volts Test				1000 Volts Test				2500 Volts Test			
Stock No.	Cap. Mfd.	Your Cost		Stock No.	Cap. Mfd.	Your Cost		Stock No.	Cap. Mfd.	Your Cost	
W3050	.00004	23c		W3074	.012	70c		W3785	.015	\$2.03	
W3051	.00005	23c		W3075	.015	73c		W3845	.02	2.32	
W3052	.0001	23c		W3766	.02	1.09					
W3053	.00015	23c		2500 Volts Test				5000 Volts Test			
W3055	.0002	23c		W3771	.00005	41c		W3085	.00005	53c	
W3056	.00025	23c		W3772	.0001	41c		W3076	.0005	73c	
W3058	.00035	23c		W3773	.00015	41c		W3077	.001	53c	
W3060	.0005	23c		W3774	.0002	41c		W3078	.00015	59c	
W3048	.0007	23c		W3775	.00025	41c		W3079	.00025	62c	
W3061	.001	23c		W3776	.0005	41c		W3080	.0002	62c	
W3063	.0015	29c		W3777	.001	53c		W3081	.002	1.32	
W3064	.002	29c		W3778	.0015	68c		W3082	.001	88c	
W3066	.003	35c		W3779	.002	79c		W3084	.0015	1.15	
W3068	.004	35c		W3780	.003	91c		W3761	.003	1.62	
W3069	.005	41c		W3781	.004	91c		W3762	.004	1.85	
W3070	.006	50c		W3782	.005	1.03		W3763	.005	1.94	
W3072	.008	59c		W3783	.006	1.03		W3764	.006	2.06	
W3073	.01	67c		W3784	.01	1.65		W3765	.01	2.41	

## THORDARSON ELECTRIC MFG. CO.

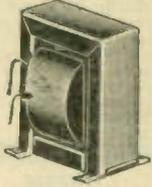
### HI-POWER TRANSFORMER AND CHOKE COIL

Transformer fully shielded; supplies 1200 volts c.t. at 200 ma., 2 1/2 volts c.t. at 10 amps., 7 1/2 volts c.t. at 3 amps., 5 volts at 3 amps. (for rectifier). Primary is wound for 115 volts 50-60 cycles a.c. Size 6x4x4 1/2". Mounting centers 3x3 3/8". With color-coded leads. Shipping weight 12 pounds.

**W226**—Your Cost Each, Special **\$2.45**

Heavy-duty choke to match above; 12 henrys at 250 ma. 5/8" high. 3" wide. Mounting centers 2 3/4". Shipping weight 3 lbs. **\$1.95**

**W227**—Your Cost Each, Special

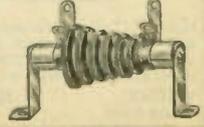


Filter Choke

## Truest TRANSMITTING R. F. CHOKE COILS

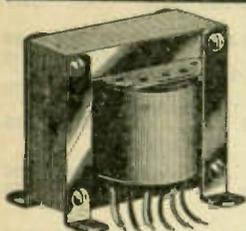
Extremely low power losses. Six lateral wound tapered sections on Isolantite base. Distributed capacitance 1 mfd.

Stock No.	Ind. Mh.	Curr. Ma.	Res. Ohms	Your Cost
W10234	2.8	1000	5	<b>98c</b>
W10235	5.3	500	12.5	



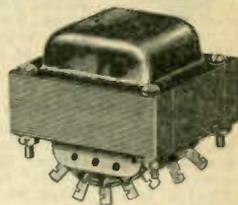
# Trutest Power Transformers

**SERVICE OVER 90% OF ALL STANDARD RECEIVERS**



**HORIZONTAL TYPE**  
With slotted mounting brackets and flexible wire leads.

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 any possibility of error in wiring, each unit is furnished with a schematic diagram showing each terminal connection. All Trutest power transformers have 105-115 volt, 50-60 cycle primaries.



**FLUSH TYPE**  
With corner mounting screws and lug terminals.

## Flush Mounting Types For 2.5 Volt Tubes

### For 4 Tube Midgets

Secondaries: (1) 650 volts c.t. at 40 ma.; (2) 2.5 volts c.t. at 3.75 amps.; (3) 5 volts at 2 amps. 3x2 1/2"; centers 2 1/2 x 2".  
Shpg. wt. 4 lbs.  
W1521—Your Cost Each **65¢**

### For 5 Tube Midgets

Secondaries: (1) 680 volts c.t. at 50 ma.; (2) 2.5 volts c.t. at 7 amps.; (3) 5 volts at 2 amps. 3x2 1/2"; centers 2 1/2 x 2".  
Shpg. wt. 4 lbs.  
W2431—Your Cost Each **88¢**

### For 6 Tube Sets

Secondaries: (1) 700 volts c.t. at 70 ma.; (2) 2.5 volts c.t. at 8.75 amps.; (3) 5 volts at 2 amps. 3 1/2 x 3 1/2"; centers 3 1/2 x 3 1/2".  
Shpg. wt. 6 lbs.  
W1492—Your Cost Each **\$1.25**

### For 7 Tube Sets

Secondaries: (1) 700 volts c.t. at 70 ma.; (2) 2.5 volts c.t. at 7 amps.; (3) 2.5 volts c.t. at 3 amps.; (4) 5 volts at 3.5 amps. 3 1/2 x 3 1/2"; centers 3 1/2 x 2 1/2".  
Shpg. wt. 8 lbs.  
W1505—Your Cost Each **\$1.55**

### For 8 and 9 Tube Sets

Secondaries: (1) 700 volts c.t. at 90 ma.; (2) 2.5 volts c.t. at 10.5 amps.; (3) 2.5 volts c.t. at 3.5 amps.; (4) 5 volts at 3 amps. 3 1/2 x 3 1/2"; centers 3 1/2 x 2 1/2".  
Shpg. wt. 8 lbs.  
W1507—Your Cost Each **\$1.70**

### For 10 and 12 Tube Sets

Secondaries: (1) 700 volts c.t. at 110 ma.; (2) 2.5 volts c.t. at 15.25 amps.; (3) 2.5 volts c.t. at 3.5 amps.; (4) 5 volts at 3 amps. 4 1/2 x 3 3/4"; centers 3 1/2 x 3".  
Shpg. wt. 9 lbs.  
W1509—Your Cost Each **\$2.25**

## Technical TRUTEST Power Transformer Specifications

All transformers have core material of first grade annealed silicon steel having a very low core loss; permeability remains constant and cannot be destroyed. All meet RMA standards governing regulation characteristics. Average temperature rise 51° C. Insulation tested at 1500 volts. Primaries tested at double the rated voltage.

## Horizontal Mounting For 2.5 Volt Tubes For 5 and 6 Tube Sets

Mounting Area: 3 1/2 x 3 x 3 1/2". Mounting Centers: 3 1/2 x 2". Secondaries: (1) 700 volts c.t. at 70 ma.; (2) 2.5 volts c.t. at 8.75 amps.; (3) 5 volts at 2 amps.  
Shpg. wt. 6 lbs.  
W1504—Your Cost Each **\$1.35**

### For 6 and 7 Tube Sets

Mounting Area: 3 1/2 x 3 x 3 1/2". Mounting Centers: 3 1/2 x 1 1/2". Secondaries: (1) 700 volts c.t. at 70 ma.; (2) 2.5 volts c.t. at 7 amps.; (3) 2.5 volts c.t. at 3.5 amps.; (4) 5 volts at 3 amps.  
Shpg. wt. 8 lbs.  
W1506—Your Cost Each **\$1.45**

### For 8 and 9 Tube Sets

Mounting Area: 3 1/2 x 3 1/2 x 3 1/2". Mounting Centers: 3 1/2 x 2". Secondaries: (1) 700 volts c.t. at 90 ma.; (2) 2.5 volts c.t. at 10.5 amps.; (3) 2.5 volts c.t. at 3.5 amps.; (4) 5 volts at 3 amps.  
Shpg. wt. 8 lbs.  
W1508—Your Cost Each **\$1.89**

### For 10 and 12 Tube Sets

Mounting Area: 4 1/2 x 3 1/2 x 3 3/4". Mounting Centers: 3 1/2 x 2 1/2". Secondaries: (1) 700 volts c.t. at 110 ma.; (2) 2.5 volts c.t. at 15.25 amps.; (3) 2.5 volts c.t. at 3.5 amps.; (4) 5 volts at 3 amps.  
Shpg. wt. 9 lbs.  
W1510—Your Cost Each **\$2.25**

## Flush Mounting Types For 6.3 Volt Tubes For 4 Tube Midgets

Mounting Area: 3x2 1/2". Mounting Centers: 2 1/2 x 2". Primary: 115 volts, 60 cycles. Secondaries: (1) 650 volts c.t. at 40 ma.; (2) 6.3 volts c.t. at 1.6 amps.; (3) 5 volts at 2 amps.  
Shpg. wt. 4 lbs.  
W5635—Your Cost Each **75¢**

### For 5 Tube Midgets

Mounting Area: 3x2 1/2". Mounting Centers: 2 1/2 x 2". Primary: 115 volts, 60 cycles. Secondaries: (1) 650 volts c.t. at 45 ma.; (2) 6.3 volts c.t. at 2 amps.; (3) 5 volts at 2 amps.  
Shpg. wt. 4 lbs.  
W5636—Your Cost Each **95¢**

### For 6 Tube Sets

Mounting Area: 3x2 1/2". Mounting Centers: 2 1/2 x 2". Primary: 115 volts, 50-60 cycles. Secondaries: (1) 600 volts c.t. at 50 ma.; (2) 6.3 volts c.t. at 2 amps.; (3) 5 volts at 2 amps.  
Shpg. wt. 4 lbs.  
W1518—Your Cost Each **\$1.25**

### For 7 and 8 Tube Sets

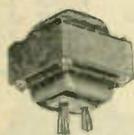
Mounting Area: 3 1/2 x 3 1/2". Mounting Centers: 3 1/2 x 2 1/2". Primary: 115 volts, 50-60 cycles. Secondaries: (1) 700 volts c.t. at 90 ma.; (2) 6.3 volts c.t. at 3 amps.; (3) 2.5 volts c.t. at 4 amps.; (4) 5 volts at 3 amps.  
Shpg. wt. 8 lbs.  
W1519—Your Cost Each **\$1.85**

### For 9 and 10 Tube Sets

Mounting Area: 3 1/2 x 3 1/2". Mounting Centers: 3 1/2 x 2 1/2". Primary: 115 volts, 50-60 cycles. Secondaries: (1) 700 volts c.t. at 100 ma.; (2) 6.3 volts c.t. at 4 amps.; (3) 2.5 volts c.t. at 4 amps.; (4) 5 volts at 3 amps.  
Shpg. wt. 9 lbs.  
W1520—Your Cost Each **\$1.98**

We can furnish special transformers for other voltages and frequencies. Submit your specifications and we will quote lowest wholesale prices.

## Trutest "Bottom Shell" Transformers



Completely shielded flush mounting transformers. Approved by the Underwriters Laboratories. Coded leads. All primaries for 105-115 volts, 50-60 cycles a.c.

### 2.5 Volts—5 and 6 Tubes

Secondaries: 650 volts c.t. at 50 ma.; 2.5 volts c.t. at 5 1/2 amps.; 2.5 volts c.t. at 1.75 amps.; 5 volts at 3 amps. Dimensions: 2 1/2 x 3 1/2 x 3 1/2". Shpg. wt. 5 lbs. **\$1.39**  
W1450—Your Cost

### 2.5 Volt—6 and 7 Tubes

Secondaries: 700 volts c.t. at 70 ma.; 2.5 volts c.t. at 7 amps.; 2.5 volts c.t. at 3 amps.; 5 volts at 3 amps. Dimensions: 3 1/2 x 3 1/2 x 3 1/2". Shpg. wt. 5 lbs. **\$1.58**  
W1451—Your Cost

### 2.5 Volts—8 and 9 Tubes

Secondaries: 700 volts c.t. at 90 ma.; 2.5 volts c.t. at 10.5 amps.; 2.5 volts c.t. at 3 amps.; 5 volts at 3 amps. Dimensions: 3 1/2 x 4 1/2 x 3 1/2". Shpg. wt. 7 lbs. **\$1.95**  
W1452—Your Cost

### 6.3 Volts—4 and 5 Tubes

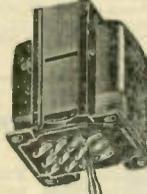
Secondaries: 650 volts c.t. at 50 ma.; 6.3 volts c.t. at 1.6 amps.; 5 volts at 2 amps. Dimensions: 2 1/2 x 3 x 3 1/2". Shpg. wt. 4 lbs. **\$1.10**  
W5492—Your Cost

### 6.3 Volts—6 and 7 Tubes

Secondaries: 650 volts c.t. at 70 ma.; 6.3 volts c.t. at 2.8 amps.; 5 volts at 3 amps. Dimensions: 2 1/2 x 3 1/2 x 3 3/4" high. Shpg. wt. 8 lbs. **\$1.45**  
W5493—Your Cost

Schematic diagrams showing all connections are supplied.

## Trutest Upright Shield Transformers



All primaries for 105-115 volts, 50-60 cycles a.c.

### 2.5 Volts—7 Tubes

Secondaries: 750 volts c.t. at 75 ma.; 2.5 volts c.t. at 7 amps. (for 4 heaters); 2.5 volts c.t. at 3.5 amps. (for 2 power tubes); 5 volts at 2 amps. (80 rect.). Shpg. wt. 7 lbs. **\$2.35**  
W1958—Your Cost

### 2.5 Volts—9 Tubes

Secondaries: 750 volts c.t. at 90 ma.; 2.5 volts c.t. at 10.5 amps. (for 6 heaters); 2.5 volts c.t. at 3.5 amps. (for 2 power tubes); 5 volts at 2 amps. (80 rect.). Shpg. wt. 8 lbs. **\$2.35**  
W1961—Your Cost

### 2.5 Volts—11 Tubes

Secondaries: 750 volts c.t. at 110 ma.; 2.5 volts c.t. at 14 amps. (for 8 heaters); 2.5 volts c.t. at 3.5 amps. (for 2 power tubes); 5 volts, 2 amps. (for 80 rect.). Shpg. wt. 8 lbs. **\$2.35**  
W1963—Your Cost

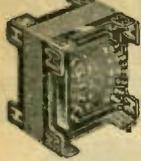
### 2.5 Volts—6 Tubes

Secondaries: 750 volts c.t. at 70 ma.; 2.5 volts c.t. at 5.25 amps.; 2.5 volts c.t. at 3.5 amps.; 5 volts at 2 amps. Shpg. wt. 7 lbs. **\$2.35**  
W1956—Your Cost

either leads or lugs. Furnished with detailed wiring instructions. Mounting Area: 3 1/2 x 3 1/2". Mounting Centers: 3x2 1/2".

**We Will Not Knowingly Be Undersold**

## Truest Universal Mounting Transformers



All primaries for 105-120 volts, 50-60 cycles a.c.

### 2.5 Volts—8 to 10 Tubes

Secondaries: 700 volts c.t. at 110 ma.; 2.5 volts c.t. at 8.75 amps.; 2.5 volts c.t. at 3.5 amps.; 5 volts c.t. at 2 amps. Size:  $4\frac{1}{2} \times 3\frac{3}{4} \times 3\frac{1}{2}$ " centers  $1\frac{1}{8}$  to  $2\frac{1}{16}$ " to  $2\frac{1}{8}$ ", or  $1\frac{1}{8}$  to  $2\frac{1}{16}$ " to  $2\frac{1}{8}$ " to  $3\frac{1}{8}$ ". Shpg. wt. 6 lbs.

**W1477—Your Cost \$2.30**

### 2.5 Volts—10 to 12 Tubes

Secondaries: 700 volts c.t. at 110 ma.; 2.5 volts c.t. at 12.25 amps.; 5 volts c.t. at 3.5 amps.; 5 volts c.t. at 2 amps. Size:  $4\frac{1}{2} \times 3\frac{3}{4} \times 3\frac{1}{2}$ " centers  $1\frac{1}{8}$  to  $2\frac{1}{16}$ " to  $2\frac{1}{8}$ ", or  $1\frac{1}{8}$  to  $2\frac{1}{16}$ " to  $2\frac{1}{8}$ " to  $3\frac{1}{8}$ ". Shpg. wt. 10 lbs.

**W1475—Your Cost \$2.55**

### For The Old Type Sets

#### 2.5 Volts—7 to 9 Tubes

Secondaries: 600 volts c.t. at 70 ma.; 2.5 volts c.t. at 10.6 amps.; 5 volts c.t. at  $\frac{1}{2}$  amp. (2-71A's); 5 volts at 2 amps. Same size and centers as W1477. Shpg. wt. 6 lbs.

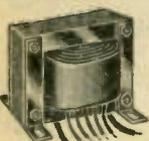
**W1463—Your Cost \$2.30**

#### 1.5 Volts—8 to 10 Tubes

Secondaries: 600 volts c.t. at 80 ma.; 1.5 volts c.t. at 6.3 amps (for 26's); 5 volts c.t. at  $\frac{1}{2}$  amp. (2-71A's); 5 volts at 2 amps. Same size and centers as W1477. Shpg. wt. 6 lbs.

**W1476—Your Cost \$2.30**

### Field Exciter Transformers



Open type with long color coded leads. Have primary, high voltage and rectifier filament windings. Deliver full rated voltages and current. Primaries for 105-120 volts, 50-60 cycles a.c. Average size  $3 \times 2\frac{1}{2} \times 2$ ". Shpg. wt. 4 lbs.

**W2291—Delivers 250 volts at 50 ma. with 80 rectifier. Your Cost Each \$1.45**

**W5506—Delivers 100 volts at 110 ma. with 80 rectifier. Your Cost Each \$1.95**

**W5507—Delivers 160 volts at 160 ma. with 83 rectifier. Your Cost Each \$2.25**

### Exciter Lamp Transformer

For supplying exciter lamp current for either 8-volt lamps at 4 amps., or 10 volt lamps at 7.5 amps. Tapped secondary permits change from one type to the other. Ruggedly built with ample overload and safety margin. Dimensions,  $3\frac{1}{2} \times 3\frac{3}{4} \times 3$ ". Available with mounting brackets for either horizontal or vertical mounting. Specify type desired. Shipping weight 5 lbs.



**W2019—Your Cost \$2.45**

### UTC Varitone



Permit full control of audio response. Enable tone correction or emphasis of high or low notes. Help attenuate "lows" that cause reverberation. Types VT-1 and VT-2 used in conjunction with a 50,000 ohm potentiometer. Technical details (curves, etc.) sent on request. Shipping weight each, 2 lbs.

Type VT-1: Designed to work from a single plate or low impedance line or mike to one or two grids.

**W5531—Your Cost \$5.00**

Type VT-2: For insertion across a 200 or 500 ohm line or across a 5000 to 20,000 ohm plate.

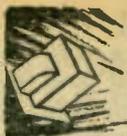
**W5532—Your Cost \$3.53**

Type VT-3: Connects directly from plate to B plus of first audio triode. No external control used.

**W5533—Your Cost \$3.00**

## NOTE

We carry in stock at all times a most complete line of every type of power transformer. Special power transformers, requiring different type windings, can be supplied at a most reasonable cost, to your own specifications. Orders promptly handled.



# POWER

Name of Radio and Model	Stock No.	Your Cost
<b>ALL AMERICAN MOHAWK</b>		
Lyric 90, 93, 4, 5, 6	W2200	\$3.40
D and H	W2201	3.40
J, P	W5586	2.95
<b>APEX</b>		
Gloritone 26-A	W2205	2.20
Gloritone 26-P	W2484	2.00
Gloritone 27	W2485	2.25
Case 80	W2210	3.85
8-B	W2211	3.50
7	W2480	2.95
32	W2483	2.65
<b>ATWATER KENT</b>		
36, 37 and 38	W2255	2.10
40, 56, 57, 42, 44, 45, 52 Complete Pack	W1376	4.95
46, 47, 53 Complete Pack	W1375	6.90
41 D.C. Complete Pack	W1383	1.95
55 and 55-C, Late Types	W2446	3.95
60 and 60-C	W2246	3.45
82, 85	W2447	3.45
80 and 83	W2472	3.40
84	W2474	3.45
87, 89 and 89-P	W2476	3.75
70, 72, 75, L-1, L-2, H-1, H-2	W2440	2.95
310	W2378	3.75
<b>BOSCH</b>		
5, 5A	W2406	2.50
28	W2254	1.95
29-825	W2336	4.20
48	W2260	3.10
58	W2261	3.25
Model 20	W2432	2.95
Model 250-P	W2433	3.95
Model 312	W5588	4.95
<b>BRANDES</b>		
B-10 and B-11	W2050	2.75
B-15 and B-16	W2051	4.95
<b>BRUNSWICK</b>		
2-KRO, 3-KRO, 3-KR6, 5-KR, 5-KRO, 5-KR6	W2150	1.35
3-NC8 and 5-NC8	W2153	2.50
11, 12, 16, 33	W2083	2.95
15, 22, 32, 42	W2085	2.25
17, 24, 25	W2084	3.95
<b>CLARION (See Page 118)</b>		
<b>COLONIAL</b>		
31	W2363	3.40
32	W2279	3.70
36-114, 38-117, 39-125	W2225	2.95
47	W2227	2.95
44	W2226	2.75
<b>COLUMBIA RADIO</b>		
Screen Grid 8	W2305	3.35
<b>CROSLEY</b>		
71, 71-1, 84	W5590	3.95
122	W5591	3.95
125	W5592	3.95
131, 132	W5593	3.95
AC-7	W1890	1.10
608, 25 cycle	W1885	1.35
704	W1887	1.35
704-A	W1886	1.95
53, 54, 57, 58	W5594	3.25
124	W5595	3.25
<b>EARL and FREED</b>		
Earl 21, 22; Freed 55, 56	W2286	2.55
Earl 24, 31, 32, 33, 41; Freed 65, 78, 79, 90, 95	W2287	2.90
Earl 24, 31, 32, 33, 41; Freed 65, 78, 79, 90, 95, coil only	W2288	1.95

Name of Radio and Model	Stock No.	Your Cost
<b>EDISON</b>		
R-4, R-5 and C-4	W2251	\$3.85
R-6 and R-7	W2306	4.10
R-1, R-2 and C-2 (Plate Transformer)	W2350	2.75
R-1, R-2 and C-2 (Filament Transformer)	W2338	3.95
<b>EVEREADY</b>		
1, 2 and 3	W2254	1.95
40 and 50 series	W2284	2.69
<b>FADA</b>		
10, 11, 16, 17, 20, 30, 31 and 32	W2277	3.65
25	W2351	3.65
35 and 35-B	W2352	3.65
41, 42, 44, 46 and 47	W2353	3.65
43, KF, KG, 761, 766, 767	W2354	3.65
50, 70, 71, 72 for E-420 Power Unit	W2355	3.65
45 (KU)	W2358	3.67
KO and KOC; 51, 53, 57	W2464	3.65
<b>FRESHMAN</b>		
"Q" 60 cycle	W2263	2.45
N, 2-N, N11, N-12, N-17, N-60S	W2313	4.70
<b>GENERAL ELECTRIC</b>		
H-31, H-51 and H-71, 60 cycle	W2156	2.95
T-41, 60 cycle	W2155	2.25
T-41, 25 cycle	W2143	2.50
S-22, S-42, 60 cycle	W2187	1.95
T-12, 60 cycle	W2188	2.20
K-62, 60 cycle	W2189	2.95
H-32, H-72, 60 cycle	W2190	2.95
J-72	W2118	2.95
J-82	W2117	3.25
J-83 and J-87	W2119	3.25
J-85	W2112	2.25
J-70-75	W2454	2.25
<b>GENERAL MOTORS</b>		
"A" Chassis, 120, 130, 140, 150, 160	W2278	3.10
MA and MB Chassis for 110, 180, 190	W2518	2.05
252, 253, 254, 255, 256, 257	W2520	3.05
S-1-A, 216, 217, 219, 250	W2521	3.05
110, 180, 190, 25 cycle	W2519	2.95
<b>GRAYBAR</b>		
311, 60 cycle	W2150	1.35
500 and 550, 60 cycle	W2152	2.55
340, 60 cycle	W2153	2.50
678, RC-3, 60 cycle	W2155	2.25
678, RC-3, 25 cycle	W2143	2.50
600, 60 cycle	W2154	2.90
700, 770, 900, 60 cycle	W2156	2.95
Midget 8, 60 cycle	W2187	1.95
Graybarette No. 4, 60 cycle	W2188	2.20
GB-9, 60 cycle	W2189	2.95
GB-100, 60 cycle	W2190	2.95
<b>GRUNOW</b>		
6C, 660, 661	W5601	3.95
6D, 670, 671	W5602	3.95
7A, 700, 701	W5603	3.95
7B, 750, 751	W5604	3.95
8A, 801	W5605	3.95
9A, 901, 902	W5606	3.95
<b>KOLSTER</b>		
K-24	W2054	5.30
K-43 and K-48	W2051	4.95
6-J and 6-K	W2066	3.75
International K-80, K-90	W2068	3.75
International K-110, K-120	W5607	3.95
International K-150	W5608	3.95
International K-140	W5609	3.95

<b>BRANDES</b>		
B-10 and B-11	W2050	2.75
B-15 and B-16	W2051	4.95
<b>BRUNSWICK</b>		
2-KRO, 3-KRO, 3-KR6, 5-KR, 5-KRO, 5-KR6	W2150	1.35
3-NC8 and 5-NC8	W2153	2.50
11, 12, 16, 33	W2083	2.95
15, 22, 32, 42	W2085	2.25
17, 24, 25	W2084	3.95
<b>CLARION (See Page 118)</b>		
<b>COLONIAL</b>		
31	W2363	3.40
32	W2279	3.70
36-114, 38-117, 39-125	W2225	2.95
47	W2227	2.95
44	W2226	2.75
<b>COLUMBIA RADIO</b>		
Screen Grid 8	W2305	3.35
<b>CROSLEY</b>		
71, 71-1, 84	W5590	3.95
122	W5591	3.95
125	W5592	3.95
131, 132	W5593	3.95
AC-7	W1890	1.10
608, 25 cycle	W1885	1.35
704	W1887	1.35
704-A	W1886	1.95
53, 54, 57, 58	W5594	3.25
124	W5595	3.25
<b>EARL and FREED</b>		
Earl 21, 22; Freed 55, 56	W2286	2.55
Earl 24, 31, 32, 33, 41; Freed 65, 78, 79, 90, 95	W2287	2.90
Earl 24, 31, 32, 33, 41; Freed 65, 78, 79, 90, 95, coil only	W2288	1.95

**VICTOR Models**  
**R-32, R-52, RE-45**  
**and RE-75**

Exact duplicate of the original. No changes necessary to install. 110 volt, 50-60 cycles. Shpg. wt. 13 lbs.

**W2185—Your Cost \$2.65**

**Radiola Models 17, 18, 33, 50, 51**

Duplicate of Part No. 8287-8335. Fits exactly, requires no mechanical alterations. Also used in Victor models 7-11, 7-25 and 7-26 and in Graybar 311. Shpg. wt. 9 lbs.

**W2150—Your Cost \$1.35**

**R-7, R-7A, R-9**  
**and RE-16A**

Exact duplicate of part No. 8679, for the above model sets. No changes necessary to install. Shpg. wt. 7 lbs.

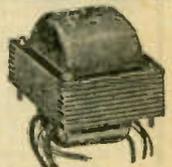
**W2187—Your Cost \$1.95**

**For Models R-8, R-10 and R-12.** Duplicate of part No. 7344. Shpg. wt. 7 lbs.

**W2112—Your Cost \$2.25**

**For Models R-5, R-5X "Radiolette".** Exact duplicate of part No. 8669. For 4-tube midget. No changes necessary to install. Shipping weight 5 lbs.

**W2188—Your Cost \$2.20**



# TRANSFORMERS

Name of Radio and Model	Stock No.	Your Cost
<b>MAJESTIC</b>		
70, 71, 72, 7-BP6, Plate-Filament	W2125	\$3.75
90, 91, 92, 9-BP6, Plate-Filament	W2100	3.45
180, 8-BP6, Plate Transformer	W2169	4.25
70 Series, Filament Transformer 7-BP6	W2105	.39
90-B and 100-B	W2127	2.65
Chassis 15: 151, 153, 154	W1491	1.75
Chassis 20: 21, 22, 23	W2129	2.75
Chassis 50: 52	W2132	3.10
Chassis 130: 130, 131, 132	W2130	2.95
25 Series	W2128	3.25
210, 211, 214, 215	W2097	3.10
290, 291, 293, 294	W5611	3.45
320, 324	W5612	4.25
340, 344	W5613	3.85
360, 363	W5614	3.85
371, 373, 370	W5615	2.25
300, 300A	W2044	3.75
310A, 311	W2045	2.95
310B, 314, 315	W2046	2.95
330, 331, 336, 77	W2047	2.75
380, 381	W2016	1.70
800	W2049	2.95
390	W2048	2.75

Name of Radio and Model	Stock No.	Your Cost
<b>PHILCO</b>		
15	W1909	2.35
20 and 220	W1955	2.35
21	W1910	2.35
50	W1951	2.35
65	W1956	2.35
70	W1957	2.35
76 and 77	W1958	2.35
86	W1960	2.35
87	W1959	2.35
90 (2-45s)	W1961	2.35
90 (1-47)	W1952	2.35
90 (2-47s)	W1953	2.35
91-121	W1911	2.35
95 and 96	W1962	2.35
111 and 211	W1963	2.35
112 and 212	W1954	2.35
500 Series (511)	W1964	2.35

Name of Radio and Model	Stock No.	Your Cost
<b>RCA-RADIOLA</b>		
30-A	W2175	2.45
17, 18, 33, 40, 51; 60 cycle	W2150	1.35
44, 46, 47; 60 cycle	W2152	2.55
60 and 62; 60 cycle	W2153	2.50
66; 60 cycle	W2154	2.90
66; 25 cycle	W2193	3.95
64 and 67; 60 cycle	W2157	6.95
42 and 48; 60 cycle	W2155	2.25
42 and 48; 25 cycle	W2143	2.50
80, 82, 86; 60 cycle	W2156	2.95
R7, 7A, 9, RE-16A	W2187	1.95
R5, R5X	W2188	2.20
R-70	W2118	2.95
R-11, 18 and 18-A; 60 cycle	W2189	2.95
R-50, R-55 and RE-20, 60 cycle	W2190	2.95
R-8, R-10, R-12; 60 cycle	W2112	2.25
R-71, R-72	W2117	3.25
R-73, 75, RE-80 (47's)	W2119	3.25
R-4, R-6	W2454	2.25

Name of Radio and Model	Stock No.	Your Cost
<b>RCA-RADIOLA—(Cont.)</b>		
R37, R38, R37P, 120	W2009	\$2.88
R28, R28P, R28BW, RE40, RE40P, 110, 111, 115, 210,		
310	W2008	2.56
R90, R90P, 260	W2014	5.10
R-100, E-101	W2011	1.92
330, 331	W2015	2.88
118, 128, 128E, ACR136, 211,		
224, 224E, 322, 322E	W2120	2.87
140, 141, 141E, 240, 340, 340E	W2121	4.11
143, 242, 262, 341	W2122	3.81

Name of Radio and Model	Stock No.	Your Cost
<b>SPARTAN</b>		
AC-7, 62 and 63	W229	2.35
930	W228	2.75
89-A	W231	4.10
589, 591, 593 and 931	W234	3.53
301, 564 and 570	W235	4.50
600, 610, 620 and 737	W236	3.45
69, 79, 79A, 89	W1834	2.95

Name of Radio and Model	Stock No.	Your Cost
<b>STEINITE</b>		
70	W2217	2.90
40C, 60C, 102C, 41C	W5600	3.95
953, 961, 962, 963	W5619	4.95
102, A, B, E	W2214	2.90
R-119	W1804	1.95

Name of Radio and Model	Stock No.	Your Cost
<b>STEWART-WARNER</b>		
900 and 950 Series, 951, 952, 953, 961, 962, 963	W2272	3.55
102, A, B, E	W2214	2.90
R-119	W1804	1.95

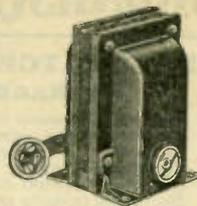
Name of Radio and Model	Stock No.	Your Cost
<b>STROMBERG-CARLSON</b>		
10, 11, 25 and 26	W2370	3.45
37	W5622	3.95
38, 39, 40, 41	W2392	3.45
635 and 636	W2256	3.45
638, 25-60 cycle	W2249	4.95
641, 642, 652, 654	W2257	3.40
846 and 848	W2258	4.10

Name of Radio and Model	Stock No.	Your Cost
<b>VICTOR</b>		
R-32, RE-45, R-52 and RE-75 (new type)	W2185	2.65
100, 15, 14 and 17	W2155	2.25
35, 39 and 57; 60 cycle	W2195	2.95
7-11, 7-25, 7-26 and 17-8; 60 cycle	W2150	1.35
9-18 and 9-54	W2157	6.95
R-7AC	W2187	1.95
R-5AC	W2188	2.20
R-11	W2189	2.95
R-50, R-55, RE-20	W2190	2.95

Name of Radio and Model	Stock No.	Your Cost
<b>WESTINGHOUSE</b>		
WR-4	W2155	2.25
WR-5, WR-6 and WR-7	W2156	2.95
WR-10A	W2187	1.95
WR-14	W2188	2.20
WR-15	W2189	2.95

Name of Radio and Model	Stock No.	Your Cost
<b>ZENITH</b>		
50-60 and 70 Series: ZE-50, ZE-60, ZE-70 Power Units	W1980	3.50
Super-Het, 10, 11 and 12; 60 cycle	W1981	3.20
59, 60, 70 Series; 25 cycle	W1988	4.95
ZE-240	W1978	3.75
ZE-7 Plate Transformer	W1985	3.75
ZE-11 Plate Transformer for 34-P, 35-P, 37-A	W1976	2.95
410, 411	W1977	3.75
BH chassis 2021	W5623	3.75
210-5, 211-5, 270-5	W5624	2.95
475, 760, 767, 765	W5625	3.75
476B, 77B, 775B	W5626	3.95

## Step-Down Transformers 220 Volts to 110 Volts



Fully shielded with 6 foot heavy lamp cord for 220 volt line, and flush receptacle for 110 volt side. Size 3 1/4 x 4 x 5 1/4" high, mounting centers 2 3/4 x 3 1/4". For receivers and appliances drawing up to 160 watts. Shpg. wt. 9 lbs.

**W1968—Your Cost \$2.80**

Same as above, but for units drawing up to 80 watts Shpg. wt. 6 lbs.

**W1969—Your Cost \$2.05**

Heavy duty step-down transformer, similar in appearance to the above. For high powered amplifiers and radio receivers. 250 watts. 220-240 volts to 110-120 volts a.c. Shpg. wt. 10 lbs.

**W1422—Your Cost \$3.75**

## RADIART 160 Watt Variable Step-Down Transformer 200-250V. to 110-120V.

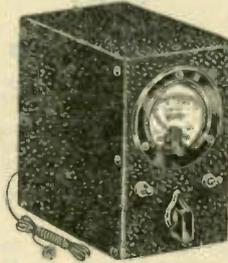
This transformer has a variable primary. Will handle 160 watts continuously. Comes with 16" of lamp cord with female receptacle for 110-120 volt outlet, and 5 ft. lamp cord with male plug for 200-250 volt input. Primary tapped at 200, 220, 240 and 250 volts. 3 1/2 x 3 1/2 x 4 1/2", centers 1 7/8 x 3 1/8". Shpg. wt. 9 lbs.



**W1970—Your Cost \$4.40**

## Lafayette Voltage Regulating Auto Transformers

**250 and 500 Watt Models**



A specially designed auto-transformer for stepping-up low line voltages or dropping-down highline voltages to correct value—115 volts. Can be used with all types of electrical equipment—prevents premature breakdowns.

and burnouts. Winding of transformer is tapped for voltages from 80 to 155 volts in steps of 5 volts. The above range easily covers even unusually high or low inputs. A selector switch is used to obtain the desired voltage. Features include a built-in precision type 0-150 volt a.c. voltmeter, line fuse, two out-put receptacles on rear of case, six-foot approved rubber cord and plug. An "on-off" toggle switch is mounted on the front panel. The complete assembly is housed in an attractive black, crystalline finished steel case. Dimensions 6 1/2 x 7 x 4 1/2". For use on 50 to 60-cycle a.c. lines only. Shpg. wt. 14 lbs.

**W1423—250 Watt Model \$15.95**

**W1424—500 Watt Model \$18.95**

**Your Cost**

**Your Cost**

## THORDARSON High Power Transformer

This high-power transformer is the buy of the year for P.A. technicians, servicemen, set-builders and amateurs. Made by one of the most reliable manufacturers in the industry, it is massive in construction and well rated. Has the following windings: 1200 volts c.t. at 200 ma., 2.5 volts c.t. at 10 amps., 7.5 volts c.t. at 3 amps., 5 volts at 3 amps., or rectifier. Primary is designed for 115 volts, 60 cycles a.c. Dimensions, 5 1/4 x 4 1/2"; mounting centers, 3 x 3". Leads are taken from bottom of unit.



**W226 Shpg. wt. 12 lbs. \$2.45**

**Your Cost Special**

### Stewart-Warner 102A, B, E

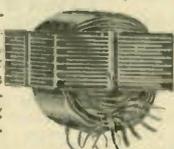
Exact duplicate of the original part number 67566. Set uses 2-24's, 1-35, 1-27 1-4 and 1-80. Leads color coded. Open type, no changes necessary to install. Constructed using high quality materials. Shpg. wt. 9 lbs.

**W2214—Your Cost \$2.90**

### Stewart-Warner R-119

Genuine Stewart-Warner part number 83442. Upright mounting type, tully shielded. Leads from bottom. Set uses 2-78's, 1-6A7, 1-85, 1-42 and 1-80. At special low price. Shipping weight 5 lbs.

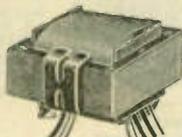
**W1804—Your Cost \$1.95**



### Atwater-Kent 70 Series

For models 70, 72, 75, L-1, L-2, H-1 and H-2. Exact duplicate of the original power transformer; has special high voltage secondary winding. No changes necessary to install. Heavy duty filament windings. Shpg. wt. 6 lbs.

**W2440—Your Cost \$2.95**



### Atwater-Kent 36, 37, 38

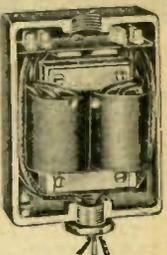
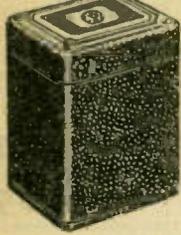
Exact duplicate transformer for the above models. Equal or superior to the original. Shpg. wt. 6 lbs.

**W2255—Your Cost \$2.10**

**We Will Not Knowingly Be Undersold**

# THORDARSON *Tru-Fidelity* AUDIO COMPONENTS

## LABORATORY PERFECTION—THE WORLD'S FINEST AVERAGE RANGE: ± 1/2 DB FROM 20 TO 20,000 C. P. S.



**Line, Mixer or Mike To Single Grid**  
**T-9000**—Primary: 500\*/333/250/200\*/125/50 ohms. Max. operating level plus 10 db. Max. d.c. 100 ma. per side. Secondary: 75,000/18,750 ohms.  
**W565—Your Cost \$8.52**

**Push-Pull Tubes To Line or Mixer**  
**T-9001**—Primary: 20,000/5000 ohms. for 56 76, 864, 6C6, 6J7 Triodes, etc. Max. operating level plus 20 db. Max. d.c. 10 ma. per side. Secondary: 500\*/333/250/200\*/125/50 ohms.  
**W566—Your Cost \$8.52**

**Single Tube To Line or Mixer**  
**T-9002**—Primary and secondary same as above, but for single tube. Max. operating level plus 15 db.  
**W567—Your Cost \$8.52**

**Single Plate To Single Grid**  
**T-9003**—Primary: 10,000/2500 ohms. for 56, 76, 864, 6C6, 6J7, etc. (no d.c. in primary). Max. operating level plus 15 db. Secondary: 40,000/10,000 ohms.  
**W568—Your Cost \$5.88**

**Single Plate To P.P. Grids**  
**T-9004**—Primary same as T-9003. Secondary: 160,000/40,000 ohms.  
**W569—Your Cost \$6.76**

**Push-Pull Plates To Push-Pull Grids**  
**T-9005**—Primary: 20,000/5000 ohms. for 56, 76, 864, 6C6, 6J7 triodes, etc. Max. operating level plus 20 db. Max. d.c. 10 ma. per side.  
**W570—Your Cost \$7.35**

**Crystal Mike or Photo Cell To Line**  
**T-9006**—Primary: d.c. unbalance 0 ma. Secondary: 500\*/333/250/200\*/125/50 ohms.  
**W571—Your Cost \$9.11**

**Push-Pull Power Tubes To Line**  
**T-9007**—Primary: 5000/3000/1250/750 ohms (for p-p. 2A3, etc.) Max. op. level plus 32 db. Max. d.c. 60 ma. per side. Secondary: 500\*/333/250/200\*/125/50 ohms.  
**W572—Your Cost \$8.52**

**Push-Pull Power Tubes To Voice Coil**  
**T-9008**—Primary same as above. Sec.: 1.25/3.75 5/7.5/10/15 ohms.  
**W573—Your Cost \$8.52**

**Audio Reactor**  
**T-9009**—For parallel feed audio circuits, etc. 300 Henrys at 8 ma. d.c. or 75 Henrys at 75 ma. d.c.  
**W574—Your Cost \$5.88**

**Line or Mike To Line or Mixer**  
**T-9010**—Primary: 500\*/333/250/200\*/125/50 ohms. Max. operating level plus 10 db. Max. d.c. 100 ma. per side. Secondary: 500\*/333/250/200\*/125/50 ohms.  
**W575—Your Cost \$7.35**

**Line or Mike To Push-Pull Grids**  
**T-9011**—Primary: 500\*/200\*/125/50 ohms. Max. operating level plus 20 db. Max. d.c. 100 ma. per side. Secondary: 150,000/37,500 ohms.  
**W576—Your Cost \$10.88**

**Line to Voice Coil**  
**T-9012**—Primary: 500\*/333/250/200\*/125/50 ohms. Max. operating level plus 30 db. Secondary: 25/3.75/5/7.5/10/15 ohms.  
**W577—Your Cost \$8.52**

\*Indicates inductive and capacitive balance to center tap for use on balanced transmission lines.

# THORDARSON Replacement POWER TRANSFORMERS



## Fully Shielded Transformers

Upright mounting transformers, with long color coded leads at the bottom. Knockouts in sides of shield allow bringing leads through for wiring on top of chassis. All voltage and current ratings are accurate.

**2.5 Volt (7 to 11 Tubes)**  
**T-5602**—Secondaries: 700 volts c.t. at 70 ma.; 2.5 c.t. at 9 amps.; 2.5 volts c.t. at 1.5 amps.; 5 volts at 2 amps. Dimensions: 4 3/8 x 3 3/8"; mtg. 2 3/8 x 3".  
**W261—Your Cost \$2.50**

**2.5 Volt (8 to 12 Tubes)**  
**T-5604**—Secondaries: 700 volts c.t. at 105 ma.; 2.5 volts c.t. at 12 amps.; 5 volts at 2 amps. 5x3 3/8 x 3 3/8"; mtg. 3x3 3/8".  
**W263—Your Cost \$3.09**

**2.5 Volt (10 to 15 Tubes)**  
**T-5605**—Secondaries: 700 volts c.t. at 110 ma.; 2.5 volts c.t. at 9 amps.; 2.5 volts c.t. at 3 amps.; 2.5 volts c.t. at 3 amps.; 5 volts at 2 amps. Dimensions: 5x3 3/8 x 3 3/8"; mounting holes 3x3 3/8". Shpg. wt. 11 lbs.  
**W264—Your Cost \$3.38**

**6.3 Volts (4 or 5 Tubes)**  
**T-7078**—Secondaries: 6.3 volts c.t. at 1.5 amps.; 5 volts at 2 amps.; 680 volts c.t. at 55 ma. 3 3/8 x 3 3/8 x 4 3/8"; Mtg. 2 3/8 x 2 1/2".  
**W514—Your Cost \$1.76**

**6.3 Volts (7 to 8 Tubes)**  
**T-7061**—Secondaries: 770 volts c.t. at 70 ma.; 6.3 volts c.t. at 2.5 amps.; 5 volts at 2 amps. Dimensions: 4 3/8 x 3 3/8 x 3 3/8"; mounting holes 2 3/8 x 2 1/2". Shpg. wt. 7 lbs.  
**W321—Your Cost \$2.35**

**6.3 Volts (11 to 13 Tubes)**  
**T-7062**—Secondaries: 6.3 volts c.t. at 4.5 amps.; 5 volts at 3 amps.; 745 volts c.t. at 145 ma. Dimensions: 3 3/8 x 3 3/8 x 5". Mounting holes 3 1/8 x 3 1/8". Shpg. wt. 10 lbs.  
**W515—Your Cost \$3.23**

**6.3 and 2.5 Volts (11 Tubes)**  
**T-7550**—Secondaries: 6.3 volts c.t. at 1.5 amps.; 2.5 volts c.t. at 10 amps.; 2.5 volts at 3 amps.; 5 volts at 3 amps.; 870 volts c.t. at 250 ma. (bias tap at 80 volts). 3 3/8 x 4 3/8 x 5". Centers 3 3/8 x 3 3/8". Shpg. wt. 14 lbs.  
**W516—Your Cost \$4.70**

All Primaries designed for 110-115 volts, 50-60 cycles a.c. operation. All terminal connections coded (color or number).

## Upright Shielded Type

**For 10-Tube Sets With 1.5 Volt Tubes**  
**T-5601**—Secondaries: 650 volts c.t. at 70 ma.; 1.5 volts c.t. at 4 amps.; 1.5 volts c.t. at 1 amp.; 2.5 volts c.t. at 3 amps.; 5 volts c.t. at .5 amps.; 5 volts at 2 amps. Dimensions: 4 3/8 x 3 3/8 x 3 3/8"; mounting holes 2 3/8 x 3". Shpg. wt. 8 lbs.  
**W260—Your Cost \$2.65**



## High Power Transformer for Class "B" Receivers

**T-6793**—Secondaries: 700 volts c.t. at 200 ma.; 2.5 volts c.t. at 15 amps.; 5 volts at 3 amps.; 5 volts c.t. at 2 amps. Dimensions: 5x3 3/8 x 4 3/8"; mounting holes 3 3/8 x 3 3/8". Shpg. wt. 12 lbs.  
**W425—Your Cost \$4.70**

**T-6935**—Secondaries: 775 volts c.t. at 200 ma.; 6.3 c.t. at 3 amps.; 5 volts at 3 amps. Dimensions: 5x3 3/8 x 4 3/8"; mounting holes 3x2 3/8". Shpg. wt. 12 lbs.  
**W426—Your Cost \$4.12**

## Filament Transformers

**1600-Volt Insulation Single Secondary**  
**T-5061**—2.5 volts c.t. at 3.5 amps. 1 1/2 x 2 x 3 1/2". Shpg. wt. 2 lbs.  
**W517—Your Cost 88¢**

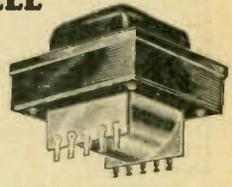
**T-5469**—2.5 volts c.t. at 5 amps. 2x2x2 3/8". Shpg. wt. 2 lbs.  
**W403—Your Cost \$1.18**

**T-5455**—2.5 volts c.t. at 10 amps. 2 3/8 x 3x3 3/8". Shpg. wt. 4 lbs.  
**W518—Your Cost \$1.47**

**Multiple Secondary**  
**T-6185**—6.3 volts tapped at 2.5 and 5 volts. 2.5 amperes. 2x2 3/8 x 2 1/8". Shpg. wt. 3 lbs.  
**W303—Your Cost \$1.18**

## HALF-SHELL TYPES

Designed for general replacement purposes and for use in new equipment. Flush mounting type with solder lug terminals mounted on fibre supports. All terminals are coded for convenience.



**2.5 Volts (4 Tubes)**  
**T-6049**—Secondaries: 2.5 volts c.t. at 3.5 amps.; 5 volts at 2 amps. and 560 volts c.t. at 30 ma. Dimensions: 3x2 1/2 x 2 3/8". Mounting holes 2 3/8". Shpg. wt. 4 lbs.  
**W519—Your Cost \$1.18**

**2.5 Volt (4 to 6 Tubes)**  
**T-5002**—Secondaries: 4 volts at 2 amps.; 2.5 volts c.t. at 5 amps. and 602 volts c.t. at 40 ma. Dimensions: 3x3 3/8 x 3"; mounting centers 2 3/8". Shpg. wt. 5 lbs.  
**W270—Your Cost \$1.62**

**2.5 Volt (5 to 9 Tubes)**  
**T-4900**—Secondaries: 5 volts at 2 amps.; 2.5 volts c.t. at 8 1/2 amps. and 700 volts c.t. at 70 ma. Dimensions: 3 3/8 x 3". Hole required in chassis 1 1/2 x 2 1/8". Shpg. wt. 8 lbs.  
**W424—Your Cost \$1.90**

**2.5 Volt (7 to 12 Tubes)**  
**T-6363**—Secondaries: 5 volts at 2 amps.; 2.5 volts c.t. at 3 amps.; 2.5 volts c.t. at 9 amps. and 700 volts c.t. at 80 ma. Dimensions: 3 1/8 x 3 1/8". Chassis hole 1 1/8 x 2 1/8". Shpg. wt. 8 lbs.  
**W440—Your Cost \$2.35**

**2.5 Volt (8 to 12 Tubes)**  
**T-5003**—Secondaries: 5 volts at 2 amps.; 2.5 volts c.t. at 12 amps. and 700 volts c.t. at 80 ma. Dimensions: 3 3/8 x 3 3/8 x 3 1/8"; mounting holes 3 1/8 x 2 3/8". Shpg. wt. 8 lbs.  
**W399—Your Cost \$2.20**

**6.3 Volts (4 or 5 Tubes)**  
**T-7020**—Secondaries: 6.3 volts c.t. at 2 amps.; 5 volts at 2 amps.; 600 volts c.t. at 50 ma. Dimensions: 3 3/8 x 2 3/8 x 3". Mounting holes 2 3/8". Shpg. wt. 5 lbs.  
**W520—Your Cost \$1.62**

**6.3 Volt (6 to 8 Tubes)**  
**T-7021**—Secondaries: 6.3 volts c.t. at 3 amps.; 2.5 volts at 4 amps.; 5 volts at 2 amps. and 700 volts c.t. at 70 ma. Dimensions: 3 3/8 x 3 3/8". Chassis hole 1 1/8 x 2 1/8". Shpg. wt. 8 lbs.  
**W459—Your Cost \$2.06**

# THORDARSON Replacement AUDIO TRANSFORMERS

## Straight Audio Transformers

High quality units, ruggedly constructed. Designed to match a 10,000 ohm plate (like the 56, 76, 37, 27, 30, 55, 85, 57, 77, 6C6, etc.) to a single Class A grid delivering not more than 15 watts. Average shpg. wt. 3 lbs.

Stock No.	Type No.	Mount. Fig.	Turn Ratio	Dimensions H. W. D.	Mount. Holes	Your Cost
W213	R100	2C	1:3	2 1/2 x 2 1/2 x 1 1/2"	Univ.	\$1.03
W239	R300	2A	1:3	3 x 2 1/2 x 2 1/2"	2x2 1/2"	2.06
W265	T2999	2B	1:3.2	2 1/2 x 2 x 2"	2 1/2"	1.03
W266	T5736	2F	1:3.2	2 1/2 x 2 x 2 1/2"	2 1/2"	1.18
W267	T5737	2B	1:3	3 x 2 1/2 x 2"	2 1/2"	1.75
W268	T5738	2F	1:3	3 x 2 1/2 x 2 1/2"	2 1/2"	1.90
W210	T8604*	2B	1:3.2	2 x 2 1/2 x 2"	2 1/2"	1.03
W211	T7574	2F	1:2	2 1/2 x 2 x 2 1/2"	2 1/2"	1.47

\* Has static shield between primary and secondary.

## Push-Pull Input Transformers

Similar to the straight audios, but single plate (10,000 ohms) to push-pull grids. Average shpg. wt. 3 lbs.

Stock No.	Type No.	Mount. Fig.	Turn Ratio	Dimensions H. W. D.	Mount. Holes	Your Cost
W216	R101	2C	1:3.2	2 1/2 x 2 1/2 x 1 1/2"	Univ.	\$1.32
W281	T3391	2B	1:3.2	2 1/2 x 2 x 2"	2 1/2"	1.18
W282	T5739	2F	1:3.2	2 1/2 x 2 x 2 1/2"	2 1/2"	1.32
W283	T5740	2B	1:3	3 x 2 1/2 x 2"	2 1/2"	1.91
W284	T5741	2F	1:3	3 x 2 1/2 x 2 1/2"	2 1/2"	2.06
W285	T5742*	2B	1:3	3 x 2 1/2 x 2"	2 1/2"	1.91
W243	T4304	2A	1:3	3 x 2 1/2 x 2 1/2"	2x2 1/2"	2.20
W237	T8603	2B	1:3.2	2 x 2 1/2 x 2"	2 1/2"	1.18

\* High Peak for Power Detection.

## P. P. Interstage Transformers

Similar to the above, but p.p. plates to p.p. grids.

Stock No.	Type No.	Mount. Fig.	Turn Ratio	Dimensions H. W. D.	Mount. Holes	Your Cost
W2259	T5397	2F	1:1.3	3x2 1/2 x 2 1/2"	2 1/2"	\$2.20
W324	T6791*	2B	1:1.5	3x2 1/2 x 2"	2 1/2"	2.06
W272	T5670	2F	1:1.5	3x2 1/2 x 2 1/2"	2 1/2"	2.20

\* May carry grid current in Class AB; not for Class B.

## Audio Filter Chokes

All inductance ratings shown are with full rated current flowing through the winding. Average shpg. wt. 3 lbs.

Stock No.	Type No.	Mount. Fig.	Induct. Henrys	Rated Ma.	Res. Ohms	Your Cost
W241	R105	2C	10	75	266	\$1.03
W332	T7430	2B	42	15	2100	.88
W333	T1892	2B	22	35	405	1.03
W334	T6807	2B	15	85	375	1.18
W287	T5751	2B	5	80	138	.88
W288	T5752	2F	5	80	138	1.03
W289	T5753	2B	9.5	110	200	1.18
W290	T5754	2F	9.5	110	200	1.33
W335	T7849	2B	7.2	120	290	.79
W336	T7429	2G	9.85	150	200	2.79
W310	T6749	2F	5	200	80	1.91
W259	T2353A	2D	5	200	80	2.06
W5497	T2927*	2B	1080	.5	6150	.88
W269	T1700B	2F	8.75	130	231	1.91
W242	R196	2A	15	85	375	1.47
W252	T4707	2B	12	75	290	1.03
W254	T4402	2B	12	80	405	.79

\* Screen Grid Coupler.

## Transceiver Audios

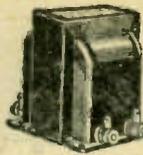
Stock No.	Type No.	Mtg. Fig.	Description	Dimen. Inches	Your Cost
W363	T7258	2B	Output, single pent. (47, 42, etc.), to low or high imp. phones.	2x1 1/2 x 1 1/2"	\$0.97
W377	T7259	2B	Single button (200 ohms) mike and audio	2x1 1/2 x 1 1/2"	.97



T-6541—Secondaries: 1000 volts c.t. at 150 ma.; 2.5 volts c.t. at 8 amps.; 7.5 volts c.t. at 2.5 amps.; 5 volts at 3 amps. Dimensions: 5x3 1/4 x 4 1/2". Shpg. wt. 14 lbs.

W434—Your Cost **\$3.25**

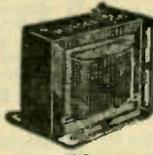
We can supply any THORDARSON transformer at a discount of 40 and 2% from list. Complete literature on the Thordarson 6, 18 and 30 watt power amplifiers, and on the All-Star Transmitters will be mailed free on request.



2A



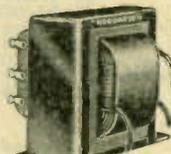
2B



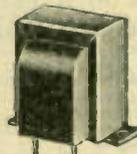
2C



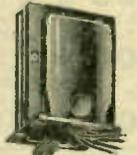
2D



2E



2F



2G

## Output Coupling Transformers

Overall Dimensions (Length, Width, Height)

Stock No.	Thord. No.	Size In.	Stock No.	Thord. No.	Size In.
W275	R107	2 1/2 x 2 1/2 x 1 1/2"	W328	T6594	3 1/2 x 2 1/2 x 3"
W276	T3399	2 1/2 x 2 x 2"	W329	T6748	3 x 2 1/2 x 2 1/2"
W278	T5701	2E	W330	T7675	3 x 2 1/2 x 2 1/2"
W326	T6754	2F	W331	T6792	3 1/2 x 2 1/2 x 3"
W273	T8872	2*	W400	T8384	3 1/2 x 2 1/2 x 2 1/2"
W327	T6751	3	W401	T8387	3 1/2 x 3 1/2 x 3"

Average shipping weight 3 lbs. each.

Stock No.	Type No.	Mtg. Fig.	Primary Matches	Sec. Imp. Ohms	Your Cost
W275	R107	2C	Universal	.1 to 29	\$1.32
W276	T3399	2B	P.P. 45, 71A, etc.	6-12	.94
W278	T5701	2E	Universal	.1 to 29	1.18
W326	T6754	2F	19 or P.P. 49's in Class B	4, 8, 15, 500	2.35
W273	T8872	2*	P.P. 2A3's, 48's Tetrodes	4, 8, 15, 500	2.35
W327	T6751	2F	P.P. 2A5, 47, 41, etc., in Class A; 79 in Class B	4, 8, 15, 500	2.06
W328	T6594	2F	P.P. 50 in Class A; 2A5, 42 Class AB; parallel 79 Class B	4, 8, 15, 500	2.35
W329	T6748	2F	P.P. 45, 71A Class A; 43 pentode or 53 Class B	4, 8, 15, 500	2.06
W330	T7575	2F	P.P. 2B6 or 6B5	4, 8, 15, 500	2.35
W331	T6792	2F	P.P. parallel 2A3	4, 8, 15, 500	2.35
W400	T8384	2G	P.P. 50 Class AB	4, 8, 15, 500	3.53
W401	T8387	2G	P.P. parallel 50 Class AB	4, 8, 15, 500	4.70

\* Type 2R (not shown) fully shielded, mounting flanges, lug terminals on bottom.

## Mike, Line and Mixer Transformers

Specially designed for Sound or Public Address requirements. Average shpg. wt. 3 1/2 lbs.

Stock No.	Type No.	Mtg. Fig.	Description	Your Cost
W257	T2357	2A	Single Button (200 ohm) mike to grid	\$1.32
W402	T8378	2F	Single Button (200 ohm) mike to grid	1.18
W405	T8602	2B	Single Button (200 ohm) mike to grid	1.03
W375	T6573	2F	D.B. mike (200 ohms) to grid	1.91
W258	T3020	2A	D.B. mike (200 ohms) to grid	2.06
W378	T6372	2F	50, 100, 150, 200 ohms (1 to 4 circuit mixer) to grid	2.35
W379	T6194	2F	500 or 125 ohm line to P.P. grids in Class A	1.91
W380	T7083	2F	Crystal mike to 200 or 50 ohms line (for mixer)	2.35
W384	T5515	2F	Plate or mixer to 200 or 50 ohm line	1.82
W385	T6226	2F	Plate or mixer to 500 or 125 ohm line	1.62
W428	T821	2F	Line to P.P. 48, 210, etc. grids in Class B	2.20
W299	T5381	2D	500 ohm line to 4, 8, 15 ohm voice coil	2.65
W506	T6048	2E	500, 100, 1500, 2000, 2500 or 3000 ohm lines to voice coil. 1 to 6 speakers may be connected in parallel to 500 ohm line	1.76

## Driver Transformers

Stock No.	Type No.	Mtg. Fig.	Input Tubes	Output Tubes	Class	Your Cost
W296	T5289	2A	1-48 or 59	2-46 or 59	B	\$2.20
W308	T6778	2F	1-48 or 59	2-46 or 59	B	2.06
W338	T7432	2F	P.P. 76, 6C5, 6C6	P.P. 42, 2A5, 6F6, or P.P. par. 2A3's	AB	2.20
W339	T7201	2F	P.P. 56	P.P. 45	AB	2.20
W316	T7846	2B	1-30	1-19, 2-30's	B	.97
W322	T5463	2F	1-30, 1-49	1-18, 2-49's	B	1.47
W325	T6747	2F	1-53 Cl. A	1-53	B	1.62
W340	T8142	2F	1-6F6	2-6F6 (pent. or triode)	AB	2.20
W368	T8152	2F	P.P. 6C5	2-6F6 triode	AB	2.06

## New Thordarson "6L6" Transformers

T8458—Output Transformer. To couple p.p. class AB 6L6's to 4, 8, 15 ohm voice coil or to 500 ohm line. Split primary. 3 1/2 x 3 1/2 x 3 1/2". Type 2G mounting. Shpg. wt. 8 lbs.

**\$4.12**

W507—Your Cost

T8459—Driver Transformer. To couple p.p. 6C5's, 76's, etc. to class AB 6L6's. Split secondary. 3x2 1/2 x 2 1/2". Type 2F mounting. Shpg. wt. 3 lbs.

**\$2.20**

W508—Your Cost

T8460—Power Transformer. Primary 115 volts, 60 cycles. Secondary with tap to supply 400 volts at 250 ma., and 30 volts at 50 ma. Through filter and bleeder circuit 300 volts at 100 ma. and 250 volts at 25 ma. may be obtained. 5x3 1/4 x 4 1/4"; centers 3x4". Type 2G mounting. Shpg. wt. 14 lbs.

**\$7.35**

W482—Your Cost

T8470—Modulation Transformer. To couple p.p. class AB 6L6's to 2500 ohms at 250 ma., 5000 ohms at 2000 ma., 7500 ohms at 150 ma. 6 1/2 x 4 1/2 x 5 1/2". Type 2D mounting. Shpg. wt. 15 lbs.

**\$5.88**

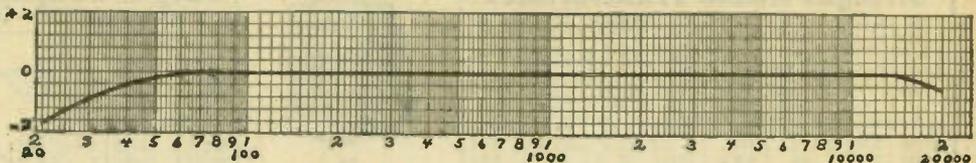
W496—Your Cost

T7984—Filement Transformer. Delivers 6.3 volts at 3 amps., 2.5 volts at 3.5 amps. and 5 volts at 3 amps. 1600 volt insulation. 3 1/2 x 3 1/2 x 4 1/2". Type 2G mounting. Shpg. wt. 6 lbs.

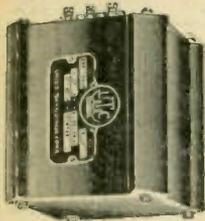
**\$2.94**

# UTC AUDIO TRANSFORMERS UTC

This curve illustrates the wide-range response of a typical "Linear Standard" unit. As indicated, this series of units is linear over 9 octaves, i.e., 20 to 20,000 cycles.



## "LINEAR STANDARD" COMPONENTS



The UTC "Linear Standard" transformers are the ideal high-fidelity audio components from the standpoint of uniform response, low wave form distortion, high efficiency, thorough shielding and dependability. These units are used extensively by broadcast stations throughout the country. Their frequency response is guaranteed plus or minus 1 db from 30 to 20,000 cycles. The units have the following overall dimensions (LxWxH): A, 2 1/4 x 3 1/4 x 1 1/4"; B, 3 1/2 x 4 1/2 x 1 1/2"; C, 5 x 5 1/2 x 5 1/2"; D, 6 1/2 x 6 1/2 x 5 1/2". Terminals are of the solder lug type.

### LINE TO GRID AND TUBE TO LINE UNITS

- LS-10—Primary will match 500, 333, 250, 200, 125, 50 ohm line for all types of microphones and pick-ups. 2-section secondary, overall impedance 60,000 ohms for single grid. (A) **\$9.00**
- W5491—Your Cost Each
- LS-12—Primary same as above. Secondary to two grids, overall impedance 120,000 ohms. (A) **\$12.00**
- W5492—Your Cost Each
- LS-50—From single plate (6C5, 27, 56, 6C6, triode connected) to 500, 333, 250, 200, 125, 50 ohm line. (A) **\$9.00**
- W5427—Your Cost Each
- LS-51—Same as LS-50, but from p.p. plates. (A) **\$9.00**
- W5428—Your Cost Each

### COUPLING TRANSFORMERS

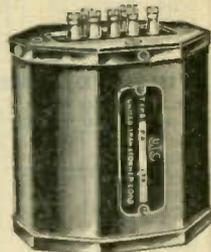
- LS-20—Single plate to single grid; 2:1 ratio. (A) **\$6.00**
- W5422—Your Cost Each
- LS-21—Input one plate to two grids; 1 1/2:1 ratio each side of center. Primary and secondary in 2 sections. (A) **\$7.80**
- W5423—Your Cost Each
- LS-22—Input two plates to two grids; 1.6:1 ratio each side of center. Two-section primary and secondary. (B) **\$13.20**
- W5424—Your Cost Each

### OUTPUT TRANSFORMERS

- LS-54—Primary impedance 8000 ohms plate to plate for p.p. 50's 45's, 6F6 triodes. Secondary 30, 20, 15, 10, 7.5, 5, 2.5, 1.2 ohms. (B) **\$8.40**
- W5411—Your Cost Each
- LS-57—Primary 5000 and 3000 ohms plate, to plate. Will match self or fixed-bias p.p. 2A3's. Above secondary. (B) **\$8.40**
- W5414—Your Cost Each
- LS-63—Primary impedance 10,000 and 6,000 ohms plate to plate. Will match p.p. 46's, 59's, 2B6's, 71A's, 6F6's, 6B5's. Same secondary as LS-54. (B) **\$8.40**
- W5420—Your Cost Each
- LS-6L3—Primary impedance 6600 ohms plate to plate for 6L6's self-biased. Same secondary as LS-54. (C) **\$12.00**
- W5398—Your Cost Each
- LS-6L7—3800 and 3300 ohms plate to plate for p.p. 6L6's fixed bias or p.p. parallel 6L6's self-biased. Will easily handle 80 watts. Same secondary as LS-54. (D) **\$15.00**
- W5399—Your Cost Each
- LS-61—Primary impedance 10,000 and 6000 ohms plate to plate. Will match p.p. 59's, 46's, 6B5's, 6F6's. Secondary impedances 125, 50, 30, 20, 10, 7.5, 5, 2.5, 1.2 ohms. (B) **\$12.00**
- W5418—Your Cost Each

## PUBLIC ADDRESS COMPONENTS

The UTC Public Address audio transformers have many exclusive and universal features never heretofore obtained in a popular priced line. These units are in universal mountings with terminals at top or bottom. All low-level units are manufactured in a hum-bucking type of construction, and are finished in black eggshell enamel. Overall dimensions (LxWxH) are: E, 2 1/2 x 3 x 3"; F, 3 1/2 x 4 1/2 x 3 1/2"; G, 3 3/4 x 4 1/2 x 4 1/2". Housings are symmetrical in appearance and present a professional appearance when grouped in finished equipment.



### LINE MATCHING AND COUPLING UNITS

- PA-134—50, 200, and 500-ohm line single or double button carbon microphone to single grid. (E) **\$3.90**
- W5379—Your Cost Each
- PA-135—50, 200, and 500-ohm line, single or double button carbon microphone to push-pull grids. (E) **\$4.50**
- W5380—Your Cost Each
- PA-131—One plate to one grid, 3 to 1 ratio. (E) **\$2.70**
- W5381—Your Cost Each
- PA-132—One plate to two grids; split secondary, 2:1 ratio each side. (E) **\$3.00**
- W5382—Your Cost Each
- PA-133—From two plates to two grids. 1.75 ratio each side. Both primary and secondary are split. (E) **\$3.60**
- W5383—Your Cost Each
- PA-233—From two 56's, 6C5's, 6C6's triode, etc., to 2A3, 45, 6L6, 6F6 triodes in "A" prime. (E) **\$3.60**
- W5384—Your Cost Each
- PA-137—Mixing transformer, 50, 200, or 500-ohm line, or single or double button mike to 50, 200, 500-ohm line. (E) **\$3.30**
- W5385—Your Cost Each

### OUTPUT TRANSFORMERS

- Secondaries have impedances of 500, 200, 16, 8, 5, 3, 1.5 ohms.
- PA-15—8000 ohms p. to p. for p.p. 50's, 45's, etc. (F) **\$4.20**
  - W5386—Your Cost Each
  - PA-16—Primary 5,000 and 3,000 ohms plate to plate for push-pull 2A3's self- or fixed-bias. (F) **\$4.20**
  - W5387—Your Cost Each
  - PA-19—Primary impedance 10,000 and 6,000 ohms p. to p. For p.p. 59's, 46's, 71A's, 6B5's, 49's, 53's, 79's, etc. (F) **\$4.20**
  - W5388—Your Cost Each
  - PA-710—20,000 and 14,000 ohms plate to plate for p.p. 210's, 47's, 2A5's, 42 pentodes, etc. (F) **\$4.20**
  - W5389—Your Cost Each
  - PA-17—Primary 2500 and 1500 ohms p. to p. For p.p. parallel 2A3's self- or fixed-bias. Handles 40 watts. (G) **\$6.00**
  - W5390—Your Cost Each
  - PA-18—Primary 4000 ohms plate to plate. For p.p. parallel 250's, 245's, 42 triodes, or p.p. 48's. (G) **\$6.00**
  - W5391—Your Cost Each
  - PA-21L—6600 ohms plate to plate for p.p. 6L6's self-biased. Will handle 40 watts. (G) **\$6.00**
  - W5392—Your Cost Each
  - PA-41L—3800 and 3300 ohms p. to p. for two 6L6's fixed-bias or four 6L6's self-biased. Handles 80 watts. (G) **\$9.00**
  - W5393—Your Cost Each

## ULTRA-COMPACT AUDIO FREQUENCY TRANSFORMER

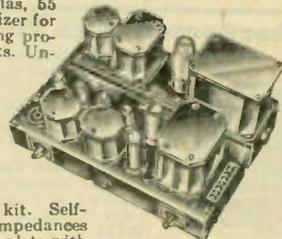


The high-fidelity audio units measure up to high-quality broadcast standards, being plus or minus 2 db from 30 to 20,000 cycles. However, through the use of unusual design a very small, lightweight unit has been produced. Overall dimensions are 1 1/4 x 1 1/4 x 1 1/4". The weight of each is 5 1/2 ounces net. These units are ideal for portable pre-amplifiers, aircraft, noise-meter, high fidelity transceivers and other applications where weight plus quality are sought.

- A-10—Primary 50, 125, 200, 250, 333, 500 ohms for all types of microphones and pick-ups to single grid. Secondary impedance is 50,000 ohms. **\$6.00**
- W5394—Your Cost Each
- A-18—Single plate to two grids, 1.15:1 ratio each side. **\$4.80**
- W5395—Your Cost Each
- A-24—Single plate like 6C6 triode, 955, 56, 6C5, etc., to 500, 333, 250, 200, 125 or 50 ohms. **\$5.40**
- W5397—Your Cost Each
- A-21—Single plate to single grid, 2:1 ratio. **\$6.00**
- W5396—Your Cost Each

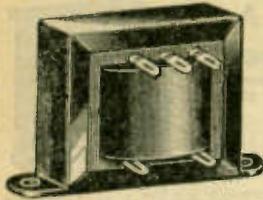
## UTC 6L6 BEAM POWER AMPLIFIER KIT

Power output of 35 watts self bias, 55 watts fixed bias. Calibrated equalizer for frequency control. Electron mixing provided for two high-impedance inputs. Unusually high gain of 118 db with provision for immediate change-over to 95 db. Separate chassis for power and audio sections for flexibility and minimum hum. Can be used for mobile operation with Gen-E-Motor. Overall dimensions 16 1/2 x 12 1/2 x 8" permit rack-panel or rack-cabinet mounting.



- W22148—UTC PAK-1 amplifier kit. Self-bias 35-watt operation. Output impedances 500, 200, 16, 8, 5, 3, 1.5 ohms. Complete with all accessories, fully mounted, complete instructions. **\$45.00**
  - Less tubes. Shpg. wt. 48 lbs. Your Cost
  - W21249—UTC PAK-2 amplifier kit as above, but has an output of 55 watts, fixed bias. List 580.00. Shpg. wt. 54 lbs. **\$48.00**
  - Your Cost
  - RCA tubes for above; 4-6C5's, 2-6L6's, 1-83. **\$5.80**
- Either of the above kits is furnished with a universal modulation output transformer at no additional cost if requested.

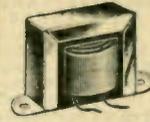
# Trutest ALL PURPOSE Audio Components



## Trutest Standard Replacement Audio Transformers and Chokes

This line of Trutest audio components is exceptionally complete. They are not to be confused with inferior types which are built to a price rather than a quality standard. All Trutest audio transformers are constructed using a high grade of silicon steel for core material. Coils are wound with unalloyed copper wire of the proper gauge for each particular application. Insulation is tested at 1250 volts a.c. Average size of units is  $3\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{4}$ " ; mounting centers  $2\frac{1}{4}$ ". Average shpg. wt. 3 lbs.

## Trutest Small 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  $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ". Mounting centers  $2\frac{1}{4}$ " apart.

### Output Transformers

- W1553**—Output, Single '45 or 6F6 metal Triode type tube to 5-15 ohm voice coil. **65¢**  
**Your Cost**
- W1554**—Output Push-pull '45s or 6F6 metal Triode type tubes to 5-15 ohm voice coil. **69¢**  
**Your Cost**
- W1555**—Output, Single Pentode '47 or 6F6 metal Pentode to a 5-15 ohm voice coil. **65¢**  
**Your Cost**
- W1556**—Output, P.P. Pentodes, 47's, 6F6 metal Pentodes to a 5-15 ohm voice coil. **69¢**  
**Your Cost**
- W1564**—Output, Push-pull, 49's Class B, to a 5-15 ohm voice coil. **\$1.10**  
**Your Cost**
- W1566**—Output, Push-pull 2A3's, to a 5-15 ohm voice coil of dynamic speaker. ( $2\frac{1}{2} \times 3 \times 2\frac{1}{2}$ ") **\$1.89**  
**Your Cost**

### Audio Transformers

- W1550**—Audio, first or second stage of straight audio amplification. Ratio 3:1. **75¢**  
**Your Cost**
- W1551**—Push-pull Input, from single plate to 2 grids. Ratio 2.5:1. **75¢**  
**Your Cost**
- W1552**—Push-pull Inter-stage, between 2 plates and 2 grids. Ratio 1.75:1. **75¢**  
**Your Cost**
- W1562**—Push-pull Input, Split Secondaries (isolated), between 1 plate and 2 grids. Ratio 1.75:1. Has six leads. **\$1.08**  
**Your Cost**
- W5491**—Push-pull Input, high impedance primary, to couple a screen grid or Pentode detector (24, 57, etc.) to p.p. 45's, 47's, 2A5's, etc. **\$1.75**  
**Your Cost**

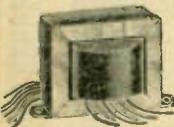
### Inter-Stage Audios

- W1580**—1st Stage Audio, DeLux, ratio  $3\frac{1}{2}:1$ . **\$2.25**  
**Your Cost**
- W1579**—Push-pull Input, DeLux, ratio  $2\frac{1}{2}:1$ . **\$2.45**  
**Your Cost**
- W1582**—Push-pull Plates to push-pull grids, ratio 1.75:1. **\$2.25**  
**Your Cost**
- W1577**—Push-pull Input, split secondaries, isolated, ratio 1.75:1. **\$2.65**  
**Your Cost**

### Tube-to-Line Transformers

- W1591**—Two 43, 171A, 250 or 245 type tubes to 500 ohm line, 15 ohm winding for voice coil or monitor. **\$2.75**  
**Your Cost, Any Above Type**
- W1592**—Two 18, 20, 33, 41, 42, 47, 59, 2A5 type tubes to 500 ohm line, 15 ohm winding for voice coil or monitor.
- W1593**—Operating out of General purpose to 500 and 200 ohm lines.
- W1943**—Two 2A3 type tubes to a 250, 500, 1000 ohm line. **\$2.75**  
**Your Cost, Any Above Type**

## Trutest Tube Tester Filament Transformer



Supplies voltages for all types of tubes, including battery types and auto types. Very compact in size. Color coded flexible leads. Primary tapped at 105, 115 and 125 volts, for 50-60 cycles a.c. Secondary is

- a single winding with the following taps:  $1\frac{1}{2}$ , 2,  $2\frac{1}{2}$ , 3, 3, 5, 6, 3,  $7\frac{1}{2}$ , 15, 25 and 30 volts. Diagram furnished. Shpg. wt. 3 lbs. **\$1.18**  
**W1967**—**Your Cost**

### Microphone and Line

- W5448**—Single or double button mike to grid, 200 ohms each side of centertap. **82¢**  
**Your Cost**
- W1574**—Single plate like 56, 27, 6C5, etc., to 500, 200 or 50 ohm line.
- W1575**—Same as above, but p.p. plates.
- W1576**—50, 200 or 500 ohm line to grid. **90¢**  
**Your Cost, Any Type**
- W5494**—2, 4, 8 or 16 ohm dynamic speaker voice coil to 250 or 500 ohm line. **\$1.48**  
**Your Cost**

### Special Line Transformer

A special transformer with coil wound on a  $1\frac{1}{4}$ " core of special high permeability iron. Frequency characteristics exceptionally fine. **\$2.45**  
**W1565**—500 to 250 ohm line to  $\frac{1}{2}$ - $\frac{3}{4}$ -1.5-2-2.5-4-6-8-10-16 ohm voice coil. **Your Cost, Special**

### Filter Chokes

Current rating given is maximum d.c.

Stock No.	Induct. Henrys	Curr. MA.	D.C. Res.	Your Cost
W1557	25	25	830	68¢
W1558	11	60	300	65¢
W1570	30	125	200	85¢

### Filament Transformers

Stock No.	Filament Volts	Filament Amperes	Your Cost Each
W2388	2.5 c.t.	5.25	79¢
W2443	2.5 c.t.	5.25	1.29
	2.5 c.t.	5.25	
W2387	2.5 c.t.	10.5	95¢
W2441	5.0 c.t.	4.0	95¢
W5495	6.3 c.t.	3.0	89¢
W5496	7.5 c.t.	3.5	1.10

## Trutest De Luxe AUDIOS



and low capacity coupling; freedom from hum; lug terminals. Diagrams furnished. In metal cases finished in wrinkle black. Size:  $2\frac{1}{2} \times 2\frac{1}{2} \times 3\frac{1}{2}$ ". Average shpg. wt. 3 lbs.

Trutest DeLux Audios are built to the most exacting standards. They are designed and engineered by transformer specialists and will outperform units selling at much higher prices. Feature: high grade, high permeability core material, accurate windings; low distributed capacity; high coupling factor

- Mixer Transformer**  
**W1587**—Input, two-button microphone, 200 ohm to grid of tube. **\$2.25**  
**Your Cost**
- W1590**—Input, two-button microphone, 200 ohm to 500 ohm line. **\$2.45**  
**Your Cost**
- W1944**—Velocity ribbon microphone to a 200 and 500 ohm line.
- W1936**—50, 200, 500 ohm line to 50, 200, 500 ohm line.
- W1937**—Universal line to grid. **\$2.45**  
**Your Cost, Any Above Type**
- Screen Grid Audio Coupler**  
 Used to couple a screen grid detector to an audio tube. Gives three times the amplification of resistance coupling. **\$2.45**  
**W1594**—**Your Cost**

### Filament Transformer

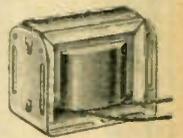
- W2383**—Delivers 2.5 volts c.t. at 10.5 amps. High voltage insulation. **\$1.25**  
**Your Cost**

### Output Coupling Transformers

- W1930**—Single 171A-245-43-50-6F6 metal Triode to a 2-8-15 ohm voice coil. **\$2.25**  
**Your Cost**
- W1584**—Push-pull 45-71A-43-50-6F6 metal Triodes output to a dynamic speaker 2-8-15 ohm voice coil. **\$2.40**  
**Your Cost**
- W1931**—Single 18-20-33-41-42-47-59-2A5 output to a high impedance magnetic speaker. **\$2.25**  
**Your Cost**
- W1933**—Single 18-20-33-41-42-47-59-2A5 output to a 2-8-15 ohm voice coil. **\$2.40**  
**Your Cost**
- W1585**—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. **\$2.40**  
**Your Cost**
- W1934**—Push-pull 2A3-48 output to a dynamic speaker 2-8-15 ohm voice coil. **\$2.40**  
**Your Cost**
- W1947**—Push-pull Class B 49s (53-79-89) (Class A 38s) to 2-8-15 ohm v.c. **\$2.25**  
**Your Cost**

### Universal Output Trans.

Matches single or p.p. Triodes or Pentodes, Class A or B, to any voice coil from .1 to 30 ohms. Diagrams furnished.  $1\frac{1}{2} \times 1\frac{1}{2} \times 3\frac{1}{2}$ " ; mounting centers  $\frac{3}{4}$ " to  $2\frac{1}{4}$ ". Shpg. wt. 3 lbs. **W1708**—**Your Cost** **75¢**



- Universal Audio**  
**W1709**—Single plate to single grid. 3:1.  
**W1710**—Single plate to p.p. grids. 2:1.  
**Your Cost, Either Type** **75¢**

To Speed Handling of YOUR Order -- Use Our Order Blank



# STANDARD REPLACEMENT

# AUDIO TRANSFORMERS

## JEFFERSON AUDIO COMPONENTS



**Audios**  
Type 467-403—Straight audio, ratio 1:3. Size: 2x3 1/4 x 1 1/4". Shpg. wt. 2 lbs.

**W5443—Your Cost Each** **76¢**

Type 467-404—P.P. Input, ratio 3:1. 2x3 1/4 x 1 1/4". **82¢**

**W5444—Your Cost** **68¢**

Type 467-410—P.P. Output. Primary 7000 ohms c.t. Sec. for 6-8 ohm voice coil. 3 1/2 watts. 2x2 1/4 x 1 1/4". Shpg. wt. 2 lbs.

**W5445—Your Cost** **94¢**

Type 467-412—P.P. Output. Primary 6000 ohms c.t. Sec. for 10-15 ohm voice coil. 10 watts. 2 1/2 x 4 x 2 1/4". Shpg. wt. 3 lbs.

**W5446—Your Cost** **94¢**

**W5449**—Tube to 200 or 500 ohms. 2 1/2 x 2 1/4 x 2 1/4". Shpg. wt. 3 lbs.

**W5450**—200 or 500 ohms to tube. 2 1/2 x 2 1/4 x 2 1/4". Shpg. wt. 3 lbs.

**Your Cost, Either Type** **\$1.47**

### Universal Outputs

Primary and secondary tapped to match all types of output tubes to any voice coil. 1 3/4 x 2 3/8 x 2". Instructions furnished. Shpg. wt. 2 lbs.

**W5432—Each** **94¢**

Same as above, but with oversized core. 2x2 3/4 x 2". **\$1.17**

**W5433—Your Cost** **\$1.17**

### Universal Inputs

For use as straight audio, p.p. input or double p.p. input. 1 3/4 x 2 3/8 x 2". Shpg. wt. 2 lbs.

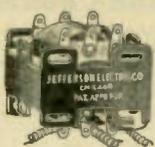
**W5434—Your Cost** **94¢**

Same as above, but with oversized core. 2x2 3/4 x 2". **\$1.17**

**W5435—Your Cost** **\$1.17**

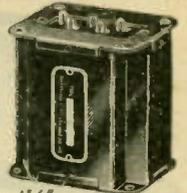
Single-button mike to grid. 30 to 7000 c.p.a. 2x3 1/4 x 1 1/4". **76¢**

**W5447—Your Cost** **76¢**



## Lafayette "P. A."

**Audio Transformers**  
Employ a high grade of high permeability core material. Each unit individually checked for response and overall performance.



**Overall Dimensions**  
Type A—2 1/2" L, 3" W, 3" H; centers 1 1/2 x 2 1/4".  
Type B—3 1/4" L, 4 1/4" W, 3" H; centers 2 1/4 x 3 1/4".  
Type C—3 1/2" L, 4 1/4" W, 4 1/4" H; centers 3 1/4 x 4 1/4".

**Type B—3 1/4" L, 4 1/4" W, 3" H; centers 2 1/4 x 3 1/4".**

**Type C—3 1/2" L, 4 1/4" W, 4 1/4" H; centers 3 1/4 x 4 1/4".**

### CLASS A OUTPUTS

All secondary impedances of units listed below tapped for 500, 250, 15, 8, 5, 3 and 1.5 ohms.

Primary 5000 and 3000 ohms plate to plate. Type B m'tg. **\$3.95**

**W2563—Your Cost** **\$3.95**

Primary 2500 and 1500 ohms plate to plate. Type C m'tg. **\$5.75**

**W2564—Your Cost** **\$5.75**

Primary 8000 ohms plate to plate. Type B m'tg. **\$3.95**

**W2562—Your Cost** **\$3.95**

Primary 4000 ohms plate to plate. Type C m'tg. **\$5.75**

**W2579—Your Cost** **\$5.75**

Primary 10000 and 6000 ohms plate to plate. Type B m'tg. **\$3.95**

**W2592—Your Cost** **\$3.95**

Primary 6600 ohms plate to plate (for 6L6's self-bias). 35 watts. Type C m'tg. **\$5.75**

**W2595—Your Cost** **\$5.75**

Primary 3800 and 3300 ohms plate to plate (2-6L6's fixed bias or 4-6L6's self-bias). 75 watts. Type C m'tg. **\$8.65**

**W2598—Your Cost** **\$8.65**

### Mixing Transformers

For mixing a 500, 200 or 50 ohm line to a 500, 200 or 50 ohm line. Type A m'tg. **\$3.25**

**W2594—Your Cost** **\$3.25**

### Heavy Duty P. A. Choke

For P.A. amplifiers up to 20 watts. 30 Henrys, 200 ohms d.c. resistance, 125 ma. (max. d.c.). 3x3 3/4". Shpg. wt. 3 lbs.

**W5638—Your Cost Each** **89¢**

### CLASS A INPUTS

From one plate to two grids. Ratio 2:1 each side. Split secondaries. Type A m'tg. **\$2.75**

**W2570—Your Cost** **\$2.75**

From 2 plates to 2 grids. 1.75:1 ratio each side. Both primary and secondary in two sections. Type A m'tg. **\$3.45**

**W2571—Your Cost** **\$3.45**

500, 200 or 50 ohm line to single grid. Type A m'tg. **\$3.75**

**W2572—Your Cost** **\$3.75**

### CLASS B OUTPUTS

P.P. 49, 53, 79, 89 plates to 500, 200, 16, 8, 5, 3 and 1.5 ohms. Type A m'tg. **\$3.95**

**W5430—Your Cost** **\$3.95**

P.P. 46 or 59 plates to 500, 200, 16, 8, 5, 3, 1.5 ohms. Am'tg. **\$3.95**

**W5431—Your Cost** **\$3.95**

### CLASS B INPUTS

Driver plate to 49, 53, 79 or 89 grids. A m'tg. **\$3.25**

**W5429—Your Cost** **\$3.25**

Driver 46 or 59 plate to 46 or 59 grids. A m'tg. **\$3.45**

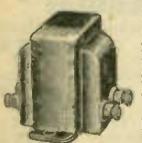
**W2555—Your Cost** **\$3.45**

### Tube To Line Transformer

From a low level triode plate to 500, 200 or 50 ohms. Type A m'tg. **\$3.75**

**W2576—Your Cost** **\$3.75**

### 2-Button Mike Trans.

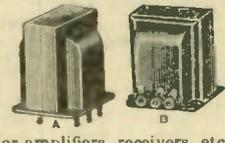


Has a turn ratio of 1:45. Impedance ratio 1:2000. Flat response curve from 30 to 7000 c.p.s. 3 1/4 x 2 1/4 x 3 1/4". Shpg. wt. 3 lbs.

**W1929—Each** **95¢**

### Over-size Audios

and Filter Chokes



Ideal for amplifiers, receivers, etc. Excellent response. Type A approx. 2 1/2 x 2 3/4 x 3 1/4"; type B same, but with side terminals.

**W1932—Push-pull Input. Type A. Shpg. wt. 2 lbs.** **83¢**

**Your Cost, Special** **83¢**

**W1913—Straight Audio; 3:1 ratio. Type A. Shpg. wt. 2 lbs.** **59¢**

**Your Cost** **59¢**

**W5637—Filter Choke. 30 H., 280 ohms, 75 ma. (max.).** **59¢**

**Your Cost** **59¢**

**W1840—P.P. Input. Type B. Your Cost** **85¢**

**W1841—Straight Audio. Type B. Your Cost** **69¢**

### P.P. Inputs

Fully shielded, lug terminals on bottom. High grade core material, impregnated coil. Excellent frequency characteristics. Turns ratio 3:1. Size: 2x2 1/4 x 2 1/4". Shpg. wt. 2 lbs.



**W1912—Your Cost** **65¢**

Similar to the above, but terminals on sides. 2 1/2 x 2 3/4 x 2 1/4". **85¢**

**W5485—Your Cost** **85¢**

## EXACT DUPLICATE AUDIOS and CHOKES for STANDARD RECEIVERS

Manufacturer	Model and Type	Stock No.	Your Cost
Atwater-Kent	55, 55C, 60, 60C—P.P. Input and Output Pack	W2492	\$1.89
Atwater-Kent	67—Audio and P.P. Input	W2243	1.98
Clarion	All Types. See Page 119		
Crosley	60S, 61S, 62S, 63S—P.P. Input 32, 40, 41A, 41, 42, 704, 706—1st Audio and P.P. Input	W1892	1.89
Fada	42, 44, 46 (KA)—P.P. Input	W1642	1.35
Fada	42, 44, 46 P.P. Output	W1643	1.10
General Motors	120, 130, 140, 150, 160—P.P. Input	W2298	1.45
Majestic	70, 90—1st Audio	W2490	.98
Majestic	70, 90, 180—P.P. Input	W2109	1.15
Philco	20, 220—P.P. Input	W1738	.98
Philco	20, 220—P.P. Output	W1746	.93
Philco	20, 220—Filter Choke	W1750	.95
Philco	65—P.P. Input	W1932	.83
Philco	65—P.P. Output	W1746	.93
Philco	65—Filter Choke	W1752	.98
Philco	70, 270—Output	W1749	1.05
Philco	70, 270—Filter Choke	W1753	.93
Philco	76, 77—P.P. Input	W1741	.83
Philco	76, 77—P.P. Output	W1746	.93
Philco	76, 77—Filter Choke	W1752	.98
Philco	86, 87—P.P. Input	W1740	.83
Philco	86, 87—P.P. Output	W1746	.93
Philco	86, 87—Filter Choke	W1752	.98
Philco	90, 90A (2-45's)—P.P. Input	W1742	1.10
Philco	90, 90A (2-45's)—P.P. Output	W1746	.93
Philco	90, 90A (2-45's)—Filter Choker	W1753	.93
Philco	90, 90A (1-47)—Output	W1749	1.05
Philco	90, 90A (1-47)—Filter Choke	W1753	.93
Philco	95, 96, 296—P.P. Input	W1932	.83
Philco	95, 96, 296—P.P. Output	W1746	.93
Philco	95, 96, 296—Filter Choke	W1752	.93
Philco	111, 112 (2-45's)—P.P. Input	W1932	.83

## MANUFACTURER'S TYPE

Manufacturer	Model and Type	Stock No.	Your Cost
Philco	111, 112 (2-45's)—P.P. Output	W1746	.93
Philco	111, 112 (2-45's)—Filter Choke	W1752	.98
Philco	500 Series—Filter Choke	W1754	1.75
Philco	41, 42, D.C.—P.P. Input	W1741	.83
Philco	41, 42, D.C.—P.P. Output	W1746	.93
Philco	41, 42, D.C.—Filter Choke	W1752	.98
RCA-Victor	R32, RE45, R52, RE75—P.P. Input and Output assembly	W1965	1.75
RCA-Victor	80, 82, 86, R35, R39, RE57—P.P. Input and Output assembly	W1998	1.68
RCA-Victor	R50, R55, RE20, RAE59, RAE79—P.P. Input and Output assembly	W2001	1.25
RCA-Victor	60, 62—Single Audio	W2173	.59
RCA-Victor	16, 17, 18, 33, 41, 50, 51—Dual Audio	W2005	1.25
RCA-Victor	44, 46, 47—Coupling Reactor	W2000	1.48
RCA-Victor	R11, 18, 18A, 21, 26—P.P. Input	W1999	1.25
RCA-Victor	R7, R9—P.P. Input and Output	W1994	1.95
RCA-Victor	R7A—P.P. Input and Output	W2098	1.95
Sparton	931, 301—Straight Audio	W2456	1.18
Sparton	101, 110, 111—P.P. Input	W2466	2.35
Sparton	301—P.P. Input	W2467	2.06
Sparton	589, 930, 931—P.P. Input	W281	1.18
Sparton	301—P.P. Output	W2487	1.47
Sparton	930, 931—P.P. Output	W276	.94
Stromberg	641, 642, 652, 654, 846, 848—Audio	W2331	1.35
Stromberg	10, 11, 25, 26—P.P. Input	W2375	3.95
Stromberg	68—1st Audio	W1813	1.25
Stromberg	68—Driver Input	W1814	1.85
Zenith	50, 60, 70 Series—P.P. Interstage	W2259	2.25



# SPRAGUE Condensers



## FAMOUS TYPE "EC" DRY ELECTROLYTICS



Leads are imbedded; no corrosion or electrolysis to create opens or troublesome intermittents. 475 volts d.c., working; maximum surge voltage 600.

Stock No.	Cap. Mfd.	Size—Inches L W D	Your Cost
W2670	1	2 1/2 x 1 x 1/2	50c
W2671	2	2 1/2 x 1 x 1/2	56c
W2672	4	2 1/2 x 1 x 3/8	68c
W2673	6	2 1/2 x 1 x 1	76c
W2674	8	2 1/2 x 1 x 1	79c

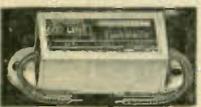
## CARDBOARD-CASED TYPE DC DRY ELECTROLYTIC UNITS

Pig-tail colored leads with push-back insulation. Capacitors marked with (\*) have 4 leads with separate positive and negative leads. 475 volts working, 600 volts surge.



Stock No.	Cap. Mfd.	Size—Inches L W T	Your Cost
W2646	2	2 1/2 x 1 x 1	50.56
W2647	4	4 1/2 x 1 3/4 x 3/8	.68
W2649	8	4 1/2 x 1 3/4 x 1	.79
W2651*	4-4	4 1/2 x 1 3/4 x 1	1.06
W2653	4-8	4 1/2 x 1 3/4 x 1 1/2	1.18
W2655	6-8	4 1/2 x 1 3/4 x 1 1/2	1.29
W2656*	8-8	4 1/2 x 1 3/4 x 1 1/2	1.29

## MIDGET ROUND AND SQUARE HI-CAPACITY DRY ELECTROS



Both are 2 1/2" long; average diameter of tubulars, 1". (\*) have 4 leads. Specially to withstand heat prevalent in midget receivers, and will fit the smallest of them. With ample pig-tail leads of covered push-back wire—a Sprague feature.

Stock No.	Tubular Square	Cap. Mfd.	Work Volts	Your Cost
W2644	W3538	5	25	29c
W2645	W3539	10	25	29c
W3232	W3540	25	25	38c
W3230	W3541	10-10	25	44c
W3231	W3542	10	50	38c
W3233	W3543	25	50	47c
W3224	W3547	2	200	32c
W3225	W3548	4	200	38c
W3226	W3549	8	200	47c
W3300	W3503	16	200	61c
W3301	W3504	25	200	73c
W3228	W3550*	4-4	200	53c
W3227	W3551*	8-8	200	73c
W2678	W3505*	8-12	200	82c
W2679	W3506*	8-16	200	85c

## CARDBOARD UNITS



A standard unit for general use. Special mounting flanges may be clipped off or used. Moisture-proof casing. Working voltage, 450; maximum surge voltage, 525. Pig-tail leads with push-back insulation. Capacitors marked with (\*) have four leads. Equals any other in price; exceeds them in quality.

Stock No.	Cap. Mfd.	Size—Inches L W H	Your Cost
W3527	4	4 1/2 x 1 3/4 x 3/8	44c
W3528	8	4 1/2 x 1 3/4 x 1	56c
W3529	4-4*	4 1/2 x 1 3/4 x 1	71c
W3530	8-8*	4 1/2 x 1 3/4 x 1 1/2	88c

## UPRIGHT CAN TYPE DRY ELECTROLYTICS



Cased in substantial aluminum cans with mounting brackets. Continuous working voltage, 475; maximum surge voltage, 600. (\*) Has four leads. (†) Has nut-bolt terminals. Impervious to heat and moisture.

Stock No.	Cap. Mfd.	Size—Inches L D	Your Cost
W2600	2	3 1/2 x 1	\$0.65
W2601	4	3 1/2 x 1	.73
W2603	8	4 1/2 x 1 3/8	.88
W2604	10	4 1/2 x 1 3/8	1.06
W2605	12	4 1/2 x 1 3/8	1.21
W2606	16	4 1/2 x 1 3/8	1.35
W2607*	8-8	4 1/2 x 1 3/8	1.41
W2609†	8-8-8	4 1/2 x 2 1/2	2.35

## INVERTED CAN TYPE

This inverted aluminum can type dry electrolytic with special screw thread mounting is in great demand. Unusual small size for compact receivers. Furnished with hardware for insulating can from mounting. Continuous working voltage, 475; maximum surge voltage, 600. Can also be used for upright mounting. (\*) Has 4 leads.



Stock No.	Cap. Mfd.	Size—Inches L D	Your Cost
W2616	4	3 1/2 x 1	50.73
W2617	6	3 1/2 x 1	.85
W2618	8	4 1/2 x 1 3/8	.88
W2676*	8-8	4 1/2 x 1 3/8	1.41

## "500" WET ELECTROLYTICS

Chrome-plated can prevents electrolysis. Rated at 500 volts, d.c. peak. Self-healing.

Stock No.	Cap. Mfd.	Size—Inches L D	Your Cost
W2914	8	4 1/2 x 1	50.56
W2915	10	4 1/2 x 1 1/8	.62
W2923	12	4 1/2 x 1 1/8	.68
W2720	16	4 1/2 x 1 3/8	.79
W2721	18	4 1/2 x 1 3/8	.88

## Self-Regulating—Type S

Operating volts, 300; regulation volts, 360; regulation current, 50.

W2722	18	3 1/2 x 1 3/8	.88
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## NEW "450" LINE "TINY MIKE" FILTERS



Small enough to fit any space. Both types average 2 1/2" long. 450 volts working; maximum surge voltage, 525. (\*) has four leads.

Guaranteed maximum power factor, 10%. This means greater filtering action—more signal.

Stock No.	Tubular Square	Cap. Mfd.	List Price	Your Cost
W2916	W3552	1	55c	32c
W2917	W3563	2	65c	38c
W2918	W3564	4	75c	44c
W2920	W3565	8	95c	56c
W2922	W3567*	8-8	1.50	88c

## PAPER TUBULARS



Non-inductively wound; 600 v., d.c. working; test voltage, 1200; leads cannot pull out.

Stock No.	Cap. Mfd.	Size—Inches L D	List Price	Net Each
W2627	.0001	1 1/2 x 3/8	25c	
W2628	.00025	1 1/2 x 3/8	25c	
W2629	.0004	1 1/2 x 3/8	25c	
W2630	.0005	1 1/2 x 3/8	25c	
W2631	.001	1 1/2 x 3/8	25c	
W2632	.002	1 1/2 x 3/8	25c	
W2633	.003	1 x 3/8	25c	
W2634	.004	1 x 3/8	25c	
W2635	.005	1 x 3/8	25c	
W2636	.006	1 1/4 x 3/8	25c	
W2637	.01	1 1/4 x 3/8	25c	
W2638	.02	1 1/4 x 3/8	30c	
W2639	.02	1 1/4 x 3/8	30c	
W2639	.05	1 1/4 x 3/8	30c	
W2640	.06	1 1/4 x 3/8	35c	
W2641	.1	1 1/4 x 3/8	35c	
W2642	.25	1 1/4 x 3/8	45c	
W2643	.5	1 1/4 x 3/8	60c	27c
W2681	1.0	2 1/2 x 1 1/2	1.00	36c

## METAL-CASE PAPER BY-PASS CONDENSERS

Enclosed in drawn metal case, wax-proofed against heat and moisture. 1200 v., test; 600 volts surge; 400 volts working.



Stock No.	Cap. Mfd.	Size—Inches L W T	Mtg. Dim.	Your Cost
W2619	0.1	1 1/2 x 3/8 x 1 1/2	2 1/2"	29c
W2620	0.25	1 1/2 x 3/8 x 1 1/2	2 1/2"	35c
W2621	0.5	2 x 3/4 x 1 1/2	2 1/2"	44c
W2622	1.0	2 x 1 1/4 x 1	2 1/2"	59c
W2623	-1-1	1 3/4 x 1 3/8 x 1 1/2	2 1/2"	38c
W2624	-25-25	2 x 3/4 x 1 1/2	2 1/2"	47c
W2625	-5-5	2 x 1 1/4 x 1	2 1/2"	59c
W2626	-1-1-1	2 x 3/4 x 3/8	2 1/2"	50c

## PAPER MIDGET UNITS



Ideal for midget sets and automobile receivers. Non-inductive; excellent substitute for micas. Use as by-pass, stopping, grid, etc. Tested at 1000 volts. Mounting dim., 2". These excellent little capacitors have been chosen by manufacturers for use in commercial receivers, and have earned for themselves an enviable reputation.

Stock No.	Cap. Mfd.	Your Cost	Stock No.	Cap. Mfd.	Your Cost
W2657	.001		W2664	.006	15c
W2658	.00025		W2665	.01	15c
W2660	.0005		W2666	.02	18c
W2661	.001		W2667	.05	18c
W2662	.004		W2668	.06	20c
W2663	.005		W2669	.1	20c

## UPRIGHT CAN TYPE



The many features of these multiple section units include ease of fitting to any mounting hole, double screw nut contact. 450 volts working; 525 volts maximum surge. Furnished with mounting clamps. Low power factor. Especially designed for use in the older type radio receivers.

Stock No.	Cap. Mfd.	Size—Inches D L	Your Cost
W3533	8-8-8	2 1/2 x 4 1/2	\$1.06
W3521	8-8-8	3 x 4 1/2	1.58
W3522	9-9-18	3 x 4 1/2	2.20
W3523	8-8-18-18	3 x 4 1/2	2.85

## INVERTED TYPE

These sturdy dry electrolytic, inverted can type condensers are offered at a price within reach of all. Cased in aluminum containers, with mounting brackets. Fit in any mounting hole—may be used to replace cans of much larger size. Continuous working voltage, 450; maximum surge voltage, 525. (\*) Have 4 color-coded leads.



Stock No.	Cap. Mfd.	Size—Inches D L	Your Cost
W3534	4	1 3/8 x 4 1/2	50c
W3535	8	1 3/8 x 4 1/2	62c
W3536*	4-4	1 1/2 x 4 1/2	76c
W3537*	8-8	1 1/2 x 4 1/2	94c

## OIL-FILLED BY-PASS FOR S. W. RECEIVERS

High quality non-inductive by-pass units.

Stock No.	Cap. Mfd.	Wkg. Volts	Your Cost
W2945	.005	1500	\$0.27
W2946	.002	1500	.27
W2947	.01	1500	.41
W2950	.02	1500	.44
W2948	.05	1000	.47
W2949	.1	1000	.53

The Sprague Co. can replace any electrolytic capacitor or capacitor pack at reasonable prices. When ordering, give make and model of set, capacitances of sections, etc., or send sample.

**69 UNITS SERVICE OVER 4000 DIFFERENT RADIO RECEIVERS**

The new line of Yaxley-Mallory Replacement Condensers, developed after several years of research by the same men who invented the dry electrolytic unit and practically every worthwhile later development, incorporates every desirable feature with regard to **QUALITY—ADAPTABILITY—SALABILITY.** A stock of only 69 different units will service over 4,000 different

radio receivers! All are individually boxed in attractive cartons—all feature: cellophane separators, etched anodes, stitched anode leads, perfect protection against humidity. In short, they incorporate every modern development that can possibly add to their value. They are undoubtedly the finest available—customer satisfaction and added profits will follow their use.

### ELECTROLYTIC Cardboard Carton Filters



Developed for use wherever cardboard carton type filter units are required, these units embody many striking improvements. All feature universal mounting flanges.

#### Type CS—Single Section Units

Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
W3855	4	250	1 1/2 x 1 1/2 x 2 1/2	\$0.37
W3856	8	250	1 1/2 x 1 1/2 x 2 1/2	.47
W3857	10	250	1 1/2 x 1 1/2 x 2 1/2	.56
W3858	12	250	1 1/2 x 1 1/2 x 2 1/2	.59
W3860	16	250	1 1/2 x 1 1/2 x 2 1/2	.65
W3861	2	450	1 1/2 x 1 1/2 x 2 1/2	.37
W3862	4	450	1 1/2 x 1 1/2 x 2 1/2	.44
W3863	6	450	1 1/2 x 1 1/2 x 2 1/2	.53
W3864	8	450	1 1/2 x 1 1/2 x 2 1/2	.56
W3865	10	450	1 1/2 x 1 1/2 x 2 1/2	.67
W3866	12	450	1 1/2 x 1 1/2 x 2 1/2	.76

#### Type CN—With Common Negative

Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
W3874	4-4	250	1 1/2 x 1 x 3	.53
W3875	4-8	250	1 1/2 x 1 x 3	.67
W3876	8-8	250	1 1/2 x 1 1/2 x 3	.76
W3878	8-8-8	250	1 1/2 x 1 1/2 x 3	1.15
W3879	4-4	450	1 1/2 x 1 1/2 x 3	.71
W3880	4-8	450	1 1/2 x 1 1/2 x 3	.79
W3881	8-8	450	1 1/2 x 1 1/2 x 3	.88
W3882	8-8-8	450	1 1/2 x 1 1/2 x 3	1.29

#### Type CM—With Separate Sections

Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
W3883	4-4	250	1 1/2 x 1 1/2 x 3	.53
W3884	4-8	250	1 1/2 x 1 1/2 x 3	.67
W3885	8-8	250	1 1/2 x 1 1/2 x 3	.76
W3886	8-8-8	250	1 1/2 x 1 1/2 x 3	1.15
W3887	4-4	450	1 1/2 x 1 1/2 x 3	.71
W3888	4-8	450	1 1/2 x 1 1/2 x 3	.79
W3889	8-8	450	1 1/2 x 1 1/2 x 3	.88
W3890	8-8-8	450	1 1/2 x 1 1/2 x 3	1.29

### PAPER By-Pass Condensers



**Tubular Type TP**  
Non-inductive, oil-treated, thoroughly impregnated, and have metal ends.

Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
W3891	.05	200	1 1/2 x 1 1/2	9c
W3892	.1	200	1 1/2 x 1 1/2	.15
W3893	.25	200	1 1/2 x 1 1/2	.21
W3894	.5	200	2 x 1 1/2	.29
W3895	1.0	200	2 1/2 x 1 1/2	
W3896	.01	400	1 1/2 x 1 1/2	9c
W3897	.02	400	1 1/2 x 1 1/2	.12
W3898	.05	400	1 1/2 x 1 1/2	.15
W3899	.1	400	1 1/2 x 1 1/2	.12
W3900	.25	400	2 x 1 1/2	.15
W3901	.5	400	2 1/2 x 1 1/2	.21
W3902	.001	600	1 1/2 x 1 1/2	9c
W3903	.0025	600	1 1/2 x 1 1/2	.12
W3904	.005	600	1 1/2 x 1 1/2	.15
W3905	.01	600	1 1/2 x 1 1/2	.12
W3906	.02	600	1 1/2 x 1 1/2	.15
W3907	.05	600	1 1/2 x 1 1/2	.12
W3908	.06	600	1 1/2 x 1 1/2	.15
W3909	.01	600	1 1/2 x 1 1/2	9c
W3910	.02	600	1 1/2 x 1 1/2	.12
W3911	.05	600	1 1/2 x 1 1/2	.15
W3912	.06	600	1 1/2 x 1 1/2	12c
W3913	.1	600	2 x 1 1/2	.15
W3914	.25	600	2 1/2 x 1 1/2	.21
W3915	.5	600	2 1/2 x 1 1/2	.29

### Round Can Electrolytic Filters



Compact universal metal can filters that can be used to replace any unit by means of the universal mounting hardware. With 8" leads. Palnut and flat washer included.

#### Type RS—Single Section Units

Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
W3916	4	250	2 1/4 x 1	\$0.44
W3917	8	250	2 1/4 x 1	.56
W3918	12	250	2 1/4 x 1	.65
W3919	4	450	2 1/4 x 1	.50
W3920	8	450	2 1/4 x 1	.62
W3921	12	450	3 x 1	.82

#### Type RN—With Common Negative

Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
W3922	4-8	250	3 x 1	.76
W3923	8-8	250	3 x 1	.85
W3924	8-8-8	250	3 x 1 1/2	1.23
W3925	4-8	450	3 x 1	.85
W3926	8-8	450	3 x 1 1/2	.94
W3927	8-8-8	450	3 1/2 x 1	1.35

#### Type RM—With Separate Sections

Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
W3928	4-8	250	3 x 1 1/2	.76
W3929	8-8	250	3 x 1 1/2	.85
W3930	8-8-8	250	3 1/2 x 1 1/2	1.23
W3931	8-8-16	250	3 1/2 x 1 1/2	1.38
W3932	8-16-16	250	3 1/2 x 1 1/2	1.53
W3933	4-8	450	3 x 1 1/2	.85
W3934	8-8	450	3 x 1 1/2	.94
W3935	8-8-8	450	4 x 1 1/2	1.35

### Universal Mounting Hardware

Type A—Terminal Connector. Eliminates splicing and affords neat anchor between condenser leads and wiring cable. **3c**

Type B—Each. **3c**

Type C—For clamp mounting 1" round cans in a standard 1 1/2" clamp. **3c**

Type D—Flat washer for mounting 1" round cans in a standard 1 1/2" mounting hole. **2c**

Type E—Each. **2c**

Type F—Large washer for mounting both 1" and 1 1/2" round cans in place of spade bolt mounting. **2c**

W3974—Each. **2c**

### Universal Mounting Bracket

Model 104-1 is a new mounting bracket that permits the round can stud mounting type of unit such as RS, RN and RM types to easily and efficiently replace the common double spade bolt mounting. 1-bolt support. **6c**

W3986—Your Cost Each.

### AC-DC Replacement Units

New universal replacement condensers that will really stand up in ac-dc receivers employing combination filter and by-pass units in one container. Models listed are identical electrically but have different containers to fit various kinds of receivers.

W4019—8-8-8 mfd., 200 v., and 5-5 mfd., 25 v. Round container, 1 1/2 x 3 1/2".	<b>\$1.47</b>
Your Cost	
W4020—8-8-8 mfd., 200 v., and 5-5 mfd., 25 v. Carton 1 1/2 x 1 1/2 x 3".	<b>\$1.47</b>
Your Cost	

### Compact Tubular Dry Electrolytic Audio By-Passes

These units are designed for bypassing the cathode bias resistors in audio frequency and other low voltage circuits.



#### Type TS—Single Section Units

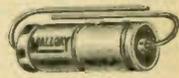
Stock No.	Cap. Mfd.	Wkg. Volts	Size In.	Your Cost
W3940	10	25	1 1/2 x 1 1/2	\$0.29
W3941	20	25	2 1/4 x 1 1/2	.35
W3942	5	50	1 1/2 x 1 1/2	.29
W3943	10	50	2 1/4 x 1 1/2	.38

#### Type TN—Dual Sections, Common Negative

W3944	5-5	25	1 1/2 x 1 1/2	<b>44c</b>
W3945	10-10	25	2 1/4 x 1 1/2	
W3946	5-5	35	1 1/2 x 1 1/2	
W3947	5-5	50	2 1/4 x 1 1/2	

### Oil Filled Tubular Units

Paper dielectric, non-inductive, oil impregnated and oil filled, extremely low r.f. impedance and power factor. Carefully sealed. All 2000 v. working voltage.



Stock No.	Cap. Mfd.	Size Inches	Your Cost
W4021	.0025	1 1/2 x 1 1/2	<b>32c</b>
W4022	.005	1 1/2 x 1 1/2	
W4023	.0075	1 1/2 x 1 1/2	
W4024	.01	1 1/2 x 1 1/2	
W4025	.0125	2 1/2 x 1 1/2	
W4026	.015	2 1/2 x 1 1/2	<b>35c</b>
W4027	.02	2 1/2 x 1 1/2	
W4028	.03	2 1/2 x 1 1/2	
W4029	.04	2 1/2 x 1 1/2	
W4030	.05	2 1/2 x 1 1/2	

### Wet Electrolytics

Self-regulating type. Lug terminal, can negative. All 475 v. working voltage except 35 mfd. unit which has 400 v. working voltage. Supplied with palnut. Mount upright.



Stock No.	Cap. Mfd.	Size In.	Your Cost
W3950	4	1 x 3 1/2	\$0.47
W3951	8	1 x 4 1/2	.56
W3952	12	1 1/2 x 4 1/2	.67
W3953	16	1 1/2 x 4 1/2	.79
W3954	18	1 1/2 x 4 1/2	.88
W3955	35	1 1/2 x 4 1/2	1.03

### AC Motor Capacitors

Designed for motors using either centrifugal or magnetic type switches. Supplied in sturdy round cans, with single-hole mounting bracket and metal cap protecting the terminals.

Stock No.	Cap. Mfd.	Wkg. Volts.	Diam. Inches	Your Cost
W4041	60	110	2"	\$2.18
W4042	70	110	2"	2.33
W4043	80	110	2"	2.47
W4044	100	110	2"	2.77
W4045	115	110	2"	3.06
W4046	135	110	2 1/2"	3.53
W4047	150	110	2 1/2"	3.88
W4048	100	150	2 1/2"	4.12
W4049	30	220	2 1/2"	3.30
W4050	40	220	2 1/2"	4.21



### NEW CONDENSER MANUAL

The 1937 Mallory Condenser Manual contains 96 pages of information that cannot fail to be of invaluable aid to you. A free copy will be sent to dealers or servicemen who write to P. R. Mallory Co., at Indianapolis, Indiana, on business letterhead.

# AEROVOX - Dependable Quality - CONDENSERS

## MIDGET MICAS

Type 1460



Molded Bakelite; ruby mica dielectric. 450 volts, d.c. working. Case size, 5/8" wide, 1 1/4" long. Case mounting centers, 1 1/4"; lug mounting centers, 1 3/4".

Stock No.	Cap. Mfd.	List Price	Your Cost
W4591	.00005	\$0.15	9c
W4592	.0001	.15	12c
W4593	.00015	.20	
W4594	.0002	.20	
W4595	.00025	.20	
W4596	.0005	.20	12c
W4597	.001	.25	15c
W4598	.002	.30	18c
W4599	.0025	.35	21c
W4600	.003	.35	21c



Type 1450

Mica dielectric. 1 1/4" square. 500 volts d.c., working. Tinned lugs.

Stock No.	Cap. Mfd.	List Price	Your Cost
W4601	.00005	\$0.25	15c
W4602	.0001	.25	
W4603	.0002	.25	
W4604	.00025	.25	
W4605	.0005	.25	
W4606	.001	.30	18c
W4607	.0015	.30	18c
W4608	.002	.35	21c
W4609	.003	.40	24c
W4610	.004	.45	26c
W4611	.005	.45	26c
W4612	.006	.55	32c
W4613	.01	.70	41c
W4614	.02	.95	55c

Type 1467



Bakelite case, mica dielectric. With long, tinned wire leads. Case size 5/8" square. 250 v. d.c. working.

Stock No.	Cap. Mfd.	List Price	Your Cost
W4515	.00004	\$0.15	9c
W4616	.00005	.15	
W4617	.00007	.15	
W4618	.000075	.15	
W4619	.0001	.15	
W4620	.00015	.20	12c
W4621	.0002	.20	
W4622	.00025	.20	
W4623	.0005	.20	
W4624	.001	.25	15c
W4625	.002	.30	21c
W4626	.003	.40	24c
W4627	.004	.45	26c
W4628	.005	.55	32c
W4629	.006	.60	35c

## Universal Mounting Condensers



Furnished with mounting rings for universal mounting. Hermetical sealing maintains original operating characteristics. Multiple units contain separate sections with common negative grounded to can.

Type E-5 - Multiple Section Units 525 V. Surge - 450 V. D.C. Work

Stock No.	Cap. Mfd.	Size—In. Dia.—H.	Your Cost
W4630	8-8	2 1/4 x 1 1/2	\$1.06
W4631	8-8-8	3 x 1 1/2	1.59
W4632	9-9-18	3 x 1 1/2	2.20

## SPACE-SAVER MIDGET ELECTROLYTICS

Almost half the size of the average unit, yet voltage rating, capacitance and economy are not sacrificed.

Type PBS 5 - 525 V. Surge - 450 V. D.C. Working - Singles

Stock No.	Cap. Mfd.	Size—Inches D. W. L.	List Price	Your Cost
W4633	2	1/2 x 3/4 x 2 1/2	\$0.65	38c
W4634	4	1/2 x 1 x 2 1/2	.75	44c
W4635	8	1 1/2 x 1 1/4 x 2 1/2	.95	56c
W4636	10	1 1/2 x 1 1/2 x 3 1/2	1.25	73c
W4637	12	1 1/2 x 1 1/2 x 3 1/2	1.40	82c

Type PBS 2 - 250 Volts Surge 200 V. D.C. Working - Singles

Stock No.	Cap. Mfd.	Size—In. D. W. L.	Your Cost
W4638	2	1/2 x 3/4 x 2 1/2	\$0.32
W4639	4	1/2 x 1 x 2 1/2	.44
W4640	8	1 1/2 x 1 1/4 x 2 1/2	.47
W4641	10	1 1/2 x 1 x 2 1/2	.53
W4642	12	1 1/2 x 1 1/4 x 2 1/2	.55
W4643	16	1 1/2 x 1 1/2 x 2 1/2	.61

Type PBS 5 - 525 Volts Surge 450 V. D.C. Working - Doubles

Stock No.	Cap. Mfd.	Size—In. D. W. L.	Your Cost
W4644	4-4	1 1/2 x 1 1/2 x 2 1/2	.70
W4645	8-8	1 1/2 x 1 1/2 x 2 1/2	.88

Type PBS 2 - 250 Volts Surge 200 V. D.C. Working - Doubles

Stock No.	Cap. Mfd.	Size—In. D. W. L.	Your Cost
W4646	4-4	1 1/2 x 3/4 x 2 1/2	50.53
W4647	8-8	1 1/2 x 1 1/4 x 2 1/2	.73
W4648	8-16	1 1/2 x 1 1/2 x 2 1/2	.85

Type PBS 2 - 250 Volts Surge 200 V. D.C. Working - Triple

Stock No.	Cap. Mfd.	Size—In. D. W. L.	Your Cost
W4649	8-8-8	1 1/2 x 1 1/2 x 2 1/2	1.12

Type PBS 5 - 525 Volts Surge 450 V. D.C. Working - Triple

Stock No.	Cap. Mfd.	Size—In. D. W. L.	Your Cost
W4650	8-8-8	1 1/2 x 1 1/2 x 3	1.30

## Inverted Electrolytics

These inverted mounting, aluminum can condensers are provided with a lock-washer, nut and 3/8" screw bushing. Available in single and double section units with separate terminal leads. Double section units are provided with four leads—two negative and two positive. Thus, the sections are entirely separated.

Type GL-5 Single Section Units With Two Wire Leads 525 V. Surge - 450 V. D.C. Work

Stock No.	Cap. Mfd.	Size—In. Dia.—H.	Your Cost
W4651	4	1 1/4 x 3 1/4	50c
W4652	8	1 1/4 x 4 1/4	61c
W4653	12	1 1/4 x 4 1/4	82c
W4654	16	1 1/4 x 5 1/4	91c

Double Section Units Separate Sections: Four Leads 525 V. Surge - 450 V. D.C. Work

Stock No.	Cap. Mfd.	Size—In. Dia.—H.	Your Cost
W4655	4-4	1 1/4 x 4 1/4	76c
W4656	8-8	1 1/4 x 5 1/4	94c

Triple Section Units Separate Sections: Six Leads 525 V. Surge - 450 V. D.V. Work

Stock No.	Cap. Mfd.	Size—In. Dia.—H.	Your Cost
W4657	4-4-4	1 1/4 x 4 1/4	\$1.18
W4658	8-8-8	1 1/4 x 4 1/4	1.35

Insulated Mounted Units Type I-5 525 V. Surge; 450 V. D.C. Separate Terminal for Ground.

Stock No.	Cap. Mfd.	Size—In. Dia.—Long	Your Cost
W4659	4	1 1/2 x 2 1/2	\$0.50
W4660	8	1 1/2 x 2 1/2	.61
W4661	12	1 1/2 x 2 1/2	.82
W4662	16	1 1/2 x 2 1/2	.91

## CARDBOARD TUBULAR ELECTROLYTICS



Mounted in cardboard containers, completely sealed and provided with wire leads securely riveted to the condenser tabs. Extensively employed by manufacturers and servicemen in by-pass circuits of standard sets. Light and compact.

Type PR5 - 450 V. D.C. Working

Stock No.	Cap. Mfd.	Size—In. Dia.—Long	Your Cost
W4676	2	1 1/2 x 2 1/2	\$0.38
W4677	4	1 1/2 x 2 1/2	.44
W4678	8	1 1/2 x 2 1/2	.56

Type PR2 - 200 V. D.C. Working

Stock No.	Cap. Mfd.	Size—In. Dia.—Long	Your Cost
W4679	2	3/4 x 2 1/2	.32
W4680	4	3/4 x 2 1/2	.38
W4681	6	3/4 x 2 1/2	.41
W4682	8	3/4 x 2 1/2	.47
W4683	10	3/4 x 2 1/2	.53

Type PR100 - 100V. D.C. Working

Stock No.	Cap. Mfd.	Size—In. Dia.—Long	Your Cost
W4684	5	1 1/2 x 2 1/2	.32
W4685	10	1 1/2 x 2 1/2	.41
W4686	16	1 1/2 x 2 1/2	.50
W4687	20	1 1/2 x 2 1/2	.53
W4688	25	1 1/2 x 2 1/2	.56

## Inverted Midgets

An ultra-compact metal can electrolytic for general replacement. With threaded hard rubber stem for inverted mounting and two flexible leads. Can is insulated from section.

Type GLS-5 - 450 V. D.C. Work

Stock No.	Cap. Mfd.	Size—In. Dia.—H.	Your Cost
W4663	4	1 x 2 1/2	50c
W4664	8	1 x 2 1/2	61c
W4665	12	1 x 3	84c
W4666	16	1 x 4 3/8	91c

Type GLS250 - 250 V. D.C. Work

Stock No.	Cap. Mfd.	Size—In. Dia.—H.	Your Cost
W4667	4	1 x 2 1/2	44c
W4668	8	1 x 2 1/2	56c
W4669	12	1 x 2 1/2	66c
W4670	16	1 x 3 1/8	81c

Cardboard Container Dry Electrolytics

Same specs. as metal can units. Flanges.

Type PS - Single Section Units 525 V. Surge - 450 V. D.C. Work

Stock No.	Cap. Mfd.	Size—In. Dia.—H.	Your Cost
W4671	4	3/4 x 1 3/4 x 4 1/4	44c
W4672	8	1 1/2 x 1 3/4 x 4 1/4	56c
W4673	16	1 1/2 x 1 3/4 x 4 1/4	85c

Type PBM5 Double Section Units 525 V. Surge - 450 V. D.C. Work

Stock No.	Cap. Mfd.	Size—In. Dia.—H.	Your Cost
W4674	4-4	1 1/2 x 1 3/4 x 4 1/4	70c
W4675	8-8	1 1/2 x 1 3/4 x 4 1/4	88c

## PAPER-WOUND TUBULAR UNITS

Non-inductively wound, sealed in wax-impregnated paper tubes.



200-Volt 400-Volt

Stock No.	Cap. Mfd.	Stock No.	Your Cost
W4704	.001	W4725	
W4705	.002	W4726	
W4706	.003	W4727	
W4707	.005	W4728	9c
W4708	.006	W4729	
W4709	.008	W4730	
W4710	.01	W4731	

Stock No.	Cap. Mfd.	Stock No.	Your Cost
W4711	.015	W4732	
W4712	.02	W4733	9c
W4713	.03	W4734	
W4714	.05	W4735	10c
W4715	.06	W4736	12c
W4716	.1	W4737	12c
W4717	.15	W4738	15c

Stock No.	Cap. Mfd.	Stock No.	Your Cost
W4718	.25	W4739	19c
W4719	.3	W4740	24c
W4720	.5	W4741	29c
W4721	1.0	W4742	50c
W4722	.01-.01	W4743	20c
W4723	.05-.05	W4744	24c
W4724	.1-.1	W4745	27c

600-Volt 1000-Volt

Stock No.	Cap. Mfd.	Stock No.	Your Cost
W4746	.001	W4766	
W4747	.002	W4767	
W4748	.003	W4768	
W4749	.005	W4769	12c
W4750	.006	W4770	
W4751	.008	W4771	
W4752	.01	W4772	
W4753	.015	W4773	
W4754	.02	W4774	14c
W4755	.03	W4775	16c
W4756	.05	W4776	21c
W4757	.06	W4777	24c
W4758	.1	W4778	29c

Stock No.	Cap. Mfd.	Stock No.	Your Cost
W4759	.15		
W4760	.23		
W4761	.28		
W4762	.3		
W4763	.5		
W4764	.10-.01		
W4765	.05-.05		
W4766	.1-1		

1000-Volt Units Are Not Made In These Values

## VIBRATOR TUBULARS

Paper type. Rated at 1600 volts.

Stock No.	Cap. Mfd.	Size—In. Dia.—L.	Your Cost
W4779	.01	1 1/2 x 1 1/2	18c
W4780	.02	1 1/2 x 2	24c
W4781	.03	1 1/2 x 2	29c
W4782	.04	1 1/2 x 2	32c
W4783	.05	1 1/2 x 2	32c

## Hi-Farad Wets

Type WG-5 450 V. Work

Stock No.	Cap. Mfd.	Your Cost
W4784	4	47c
W4785	8	56c
W4786	12	68c

Type WG-350 - 350 V. Work

Stock No.	Cap. Mfd.	Your Cost
W4787	8	.53
W4788	16	.70
W4789	20	.79
W4790	40	1.18

## Interference Filters

Type IN-25 Plugs into outlet and is grounded by screw on plate. For 110 v. a.c. or d.c. Bakelite receptacle.



W4791 Your Cost Each... \$1.03

Type IN-24 For receiver or noisy appliance.

# SOLAR Condensers QUALITY ABOVE ALL!

## "Little Giant" Midget Dry Electrolytics

Cardboard cased with leads.

525 V. Peak (450 W.V.)

Stock No.	Cap. Mfd.	Dimensions Inches	Your Cost
W3475	2	2 1/2 x 1 1/2 x 1 1/2	\$0.39
W3476	4	2 1/2 x 1 1/2 x 1 1/2	.45
W3477	6	2 1/2 x 1 1/2 x 1 1/2	.54
W3478	8	3 1/2 x 1 1/2 x 1 1/2	.57
W3479	10	3 1/2 x 1 1/2 x 1 1/2	.69
W3480	12	3 1/2 x 1 1/2 x 1 1/2	.78

250 V. Peak (200 W.V.)

Stock No.	Cap. Mfd.	Dimensions Inches	Your Cost
W3481	4	2 1/2 x 1 1/2 x 1 1/2	.39
W3482	8	2 1/2 x 1 1/2 x 1 1/2	.48
W3483	10	2 1/2 x 1 1/2 x 1 1/2	.54
W3484	12	2 1/2 x 1 1/2 x 1 1/2	.57
W3485	16	2 1/2 x 1 1/2 x 1 1/2	.63

## Standard Size Card-Board Electrolytics

With lugs and mounting flanges in cardboard containers waxed and moisture-proofed. 500 volts, d.e. peak surge voltage.

Single Sections—2 Lugs

Stock No.	Cap. Mfd.	Dimensions Inches	Your Cost
W2843	2	2 1/2 x 1 1/2 x 1 1/2	\$0.39
W2844	4	2 1/2 x 1 1/2 x 1 1/2	.45
W2845	8	4 1/2 x 1 1/2 x 1 1/2	.57

Multiple—Separate Leads

Stock No.	Cap. Mfd.	Dimensions Inches	Your Cost
W2748	4-8	4 1/2 x 1 1/2 x 1 1/2	.81
W2847	8-8	4 1/2 x 1 1/2 x 1 1/2	.90

## Inverted Can Type Dry Electrolytics

Standard size, mounts in 3/4" hole; cans insulated from sections. Flexible wire color-coded leads for each section. Dimensions: 1 1/2" diameter by 4 1/2" high.

Stock No.	Cap. Mfd.	D.C. Voltage	Peak Voltage	Your Cost
W2840	8	500	\$0.63	
W2841	4+4	500	.78	
W2734	4+8	500	.87	
W2842	8+8	500	.96	

## Mica Fixed Condensers

Type MH. Size, 1 1/2 x 1/2 x 1/4". Accuracy rated. Molded Bakelite.

Stock No.	Cap. Mfd.	List Price	Your Cost
W3450	.00005	20c	
W3452	.0001	20c	
W3454	.0002	20c	
W3455	.00025	20c	
W3458	.0005	20c	
W3463	.001	25c	9c
W3465	.002	30c	13c
W3467	.003	35c	15c
W3468	.004	40c	
W3469	.005	45c	18c
W3470	.006	50c	20c
W3474	.01	70c	33c

## "Star Midget" Card-Board Electrolytics

500 v. peak 1 to 8 mfd. 4 to 25 mfd. 220 v. peak. Wire leads.

Stock No.	Cap. Mfd.	Dimensions Inches	Your Cost
W2848	1	2 1/2 x 1 1/2 x 1 1/2	\$0.33
W2849	2	2 1/2 x 1 1/2 x 1 1/2	.39
W2870	4	2 1/2 x 1 1/2 x 1 1/2	.45
W3486	6	2 1/2 x 1 1/2 x 1 1/2	.54
W2871	8	2 1/2 x 1 1/2 x 1 1/2	.57
W2874	4	2 1/2 x 1 1/2 x 1 1/2	.39
W2876	8	2 1/2 x 1 1/2 x 1 1/2	.48
W2877	10	2 1/2 x 1 1/2 x 1 1/2	.54
W2878	12	2 1/2 x 1 1/2 x 1 1/2	.57
W2879	16	2 1/2 x 1 1/2 x 1 1/2	.63
W2880	20	2 1/2 x 1 1/2 x 1 1/2	.72
W2881	25	2 1/2 x 1 1/2 x 1 1/2	.75

## Cartridge Electrolytics

This widely used type is popular because of the fact that they will fit into the new compact midgets.

Stock No.	Cap. Mfd.	Volts	Dimen. Inches	Your Cost
W2703	.5	500	1 3/4 x 3/4	\$0.33
W2704	1	500	1 3/4 x 3/4	.33
W2705	2	500	2 1/4 x 3/4	.39
W2706	4	500	2 3/4 x 1	.45
W2707	8	175	3 3/4 x 1	.57
W2708	4	175	1 3/4 x 1	.36
W2709	8	60	2 1/4 x 3/4	.45
W2710	5	60	1 3/4 x 3/4	.30
W2711	10	60	1 3/4 x 3/4	.39
W2714	12	35	2 3/4 x 1	.48
W2715	5	35	1 3/4 x 3/4	.30
W2716	10	35	1 3/4 x 3/4	.30
W2717	25	35	2 3/4 x 3/4	.39

## Inverted Can Type Wet Electrolytics

Metal can is negative terminal; 1 1/2" diameter, 4 1/2" high. Self-healing type, withstand temporary excessive voltage without harm. Low leakage, full and well maintained capacitance, excellent power factor—all result in long service life. With all hardware.

Stock No.	Cap. Mfd.	D.C. Voltage	Peak Voltage	Your Cost
W2725	8	600	\$0.90	
W2727	8	500	.60	
W2728	10	500	.66	
W2729	12	500	.72	
W2730	20	500	.90	
W2731	30	500	1.20	
W2732	16	350	.72	

## "Postage Stamp" Micas

Size 3/4" square; molded Bakelite. Leads Lugs

Stock No.	Cap. Mfd.	Stock No.	Cap. Mfd.	Your Cost Each
W3403	W3429	.00005		
W3405	W3431	.0001		
W3407	W3433	.0002		
W3408	W3434	.00025		
W3409	W3435	.0003		
W3410	W3436	.0004		
W3411	W3437	.0005		
W3416	W3442	.001		85c per doz.
W3418	W3444	.002		9c
W3419	W3445	.0025		12c

# CONDENSER BLOCKS

Name of Receiver and Model	Stock No.	Your Cost
<b>APEX</b>		
Model 41	W1407	\$1.85
Model 46, 46A	W1406	1.70
Models 47, 47A	W1405	1.70
<b>ATWATER KENT</b>		
37-38 condenser and choke assemb.	W1378	1.75
45 condenser	W1370	1.48
46, 47, 53 condenser unit	W1369	2.70
55, 55C, 60, 60C	W1368	2.40
72 series	W1365	1.39
<b>BOSCH</b>		
Model 28	W1349	1.95
Model 48	W1347	2.65
Model 10	W1340	2.75
<b>CLARION (see page 118)</b>		
<b>COLUMBIA RADIO</b>		
Model S.G. 8	W1290	2.95
<b>COLUMBIA-KOLSTER</b>		
C-1, C-3	W1280	1.20
<b>EDISON</b>		
R-1, R-2, C-2	W1220	3.30
R-4, R-5, C-4	W1219	2.75
R-6, R-7	W1218	2.75
<b>EVEREADY</b>		
30, 40; 50 series	W1210	2.95
1, 2 and 3	W1349	1.95
<b>FADA</b>		
42, 44, 46, 47, No. 1830X	W1199	2.98
50, 70, 71, 72, 75, 77, 1492MS	W1197	2.98
Model 43	W1206	2.98
<b>KOLSTER-COLUMBIA</b>		
6-J, 6-K, 6-R	W1089	2.95
Model K-43, K-48	W1334	1.98
<b>MAJESTIC</b>		
25B, 251B, 253B, 254B	W1062	2.75
35, 351, 353	W1061	2.75
70 series, 7P6 power, early	W1071	1.74
70 series, 7P6 power, late	W1070	1.74
80-180, 8PB6 power unit	W1069	2.95
90 series, 9PB6 power unit	W1067	1.85

Name of Receiver and Model	Stock No.	Your Cost
<b>MAJESTIC—Cont.</b>		
90-B and 100-B	W1065	\$1.49
50, 52	W1063	2.20
20 condenser and input trans.	W1064	3.65
30, 31 condenser and choke assemb.	W1073	1.49
60, 61, 62, 160, 163	W1072	1.49
<b>PEERLESS</b>		
Model 65	W1045	1.95
<b>PHILCO</b>		
Model 20, 220	W1030	2.20
Model 65	W1029	2.20
Model 82	W1028	2.20
<b>RCA-RADIOLA</b>		
30-A filter	W1018	2.75
42, 48	W1021	2.40
44, 46, 47	W1016	2.55
33, 44, D.C.	W1002	.75
Model 60	W1015	2.95
62 filter	W1014	1.70
66 filter block	W1010	1.95
RE81, R74, 76, 77	W1033	3.95
R7A, RE16A	W1001	.89
R8, 10, 12, RE19	W534	4.65
R50, R55, RAE59, RAE79	W531	2.95
<b>SPARTAN</b>		
AC7, 62, 63	W979	3.30
Model 89-A	W976	3.70
69, 79, 79A, 89	W975	1.95
Model 930	W973	1.90
Model 301	W981	1.95
<b>STEINITE</b>		
70, 80, 95	W938	2.95
<b>STEWART-WARNER</b>		
900-950 A.C. series condenser-choke	W928	3.50
<b>STROMBERG-CARLSON</b>		
Models 12, 14	W919	3.75
38, 39, 40, 41	W921	3.95
635, 636	W918	4.50
641, 642, 652, 654	W916	3.50
846, 848	W915	3.65
<b>VICTOR</b>		
Model R-15	W1021	2.40
R-32, RE-45, R-52, RE-75	W890	.95
R-32, RE-45, R-52, RE-75; 4 taps	W893	1.10

# Exact REPLACEMENT CONDENSER BLOCKS

We can supply any exact replacement block for any make of receivers. If you cannot find it in these listings write us, giving complete details, and we will furnish it at lowest price.

## MAJESTIC POWER UNIT CONDENSER BLOCKS

These blocks are built to original Majestic specifications and are fully guaranteed as to quality. Constructed with new high-voltage paper condensers to insure long service. Equal or superior to the original blocks. Tinned solder lug terminals are securely riveted to a Bakelite panel on top of unit. Fit chassis exactly, need no changes.

W1071—7P6 early model sets		
W1070—7BP6 late model		
Your Cost,	\$1.74	
Either		
W1067—Model 9P6	\$1.85	
Your Cost		
W1069—Model 8P6	\$2.95	
Your Cost Each		
W849—Majestic "A" Eliminator	\$2.75	
Your Cost,		
Each		

Model	Your Cost
W1065—Models 90B-100B Chassis; 90, 91, 92, 93, 102, 103. Genuine part No. 1564.	\$1.49
Your Cost Each	
W1072—Models 60, 160. Genuine part No. 3858.	\$1.49
Your Cost Each	
W1073—Model 30 choke and condenser. Genuine part No. 8622.	\$1.49
Your Cost,	
Each	

## A. K. Models 37 and 38

Contain the filter condenser block and three chokes; two high voltage filter chokes and one speaker choke. Leads color coded; diagrams furnished. Shpg. wt. 7 lbs.

W1378—Your Cost	\$1.75
<b>POWER TRANSFORMER</b> for models 86, 87 and 38. Exact duplicate. Shpg. wt. 9 lbs.	\$2.10
W2255—Your Cost	

## ATWATER-KENT POWER UNITS

Color-coded; diagrams with each unit. Guaranteed.

Models 40, 56 and 57	\$4.95
W1376—Your Cost	
Model 41 D.C. With resistors	\$1.95
W1383—Your Cost Each	
Models 42, 44, 45 and 52	\$4.95
W1376—Your Cost Each	
Models 43, 46, 47 and 53	\$6.90
W1375—Your Cost Each	

# Trutest ELECTROLYTIC Condensers

For best results and long life choose TRUTEST electrolytic condensers. Conform with ALL RMA acceptance standards.

## CONDENSERS FOR EVERY PURPOSE

Guaranteed to have a power factor of from 4% to 8%; rated within +20% and -10%; leakage less than 0.1 ma. per mfd.

### Dry Electrolytic Cartridge Condensers



In waxed cardboard containers with metal ends and 1/4" wire leads. Hermetically sealed.

Stock No.	Cap. Mfd.	Wkg. Volts	Surge Volts	Your Cost
W3380	5	25	40	16c
W3381	10	25	40	16c
W3382	25	25	40	28c
W3383	50	25	40	35c
W3396	5-5	25	40	26c
W3384	5	50	75	20c
W3295	10	50	75	24c
W3297	25	50	75	30c
W3387	5	100	150	22c
W3388	10	100	150	27c
W3392	2	150	200	20c
W3393	4	150	200	27c
W3394	8	150	200	27c
W3395	4-4	150	200	32c
W3389	1	200	250	16c
W3390	2	200	250	19c
W3391	4	200	250	25c
W3291	1	450	525	20c
W3292	2	450	525	24c
W3293	4	450	525	30c
W3256	8	450	525	33c
W3255	10-10	35	50	35c

### Dry Electrolytic Can-Type Multiple Section



All are rated at 450 volts, d.c. working, 500 volts surge. 4" high aluminum can. Terminals are of the screw and nut type. Each section is a separate electrolytic of the genuine self-healing type. Can is negative.

Stock No.	Cap. Mfd.	Diam. Inches	Your Cost
W3316	8-8	2 1/2	\$0.70
W3317	5-15	2 1/2	0.88
W3318	8-8-8	3	1.04
W3320	9-9-18	3	1.50
W3319	8-8-8-8	3 1/2	1.44
W3321	8-8-18-18	3 1/2	2.18

### 1000 VOLTS SURGE DRY ELECTROLYTIC FILTER CONDENSERS



Especially designed for amateur use, can also be used for industrial purposes. Fully shielded in metal containers with long color-coded leads and mounting flanges with 2 1/2" centers. Have excellent power factor, leakage and capacitance characteristics due to an entirely new method of construction. Their compact size, 4 1/2" high, 2 1/2" wide overall and 1 1/2" deep, makes them readily adaptable to all equipment. They are priced unusually low in spite of their excellent quality.

### 800 VOLTS WORKING

Stock No.	Cap. Mfd.	Your Cost
W4192	2	\$0.79
W4193	4	.89
W4194	8	1.39

### Wet Electrolytics



All in tubular metal containers—can is negative. Dimensions, under 500 volts, 3 1/4 x 1 1/2"; 500 volts, 4 1/2 x 1 1/2"; 600 volts, 4 1/2 x 1 1/2". Excellent power factor and long life. Self-healing, able to withstand voltage overloads without harm.

Stock No.	Cap. Mfd.	Surge Volts	Your Cost
W491	4	450	36c
W492	8	500	40c
W493	10	500	44c
W494	12	500	48c
W495	8	600	65c

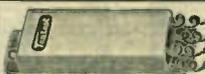
### INVERTED TYPE DRY Electrolytics



For inverted, hole-in-chassis mounting. Standard size, round aluminum can fits hole for 1/4" stud. Can is insulated from condenser sections and is grounded. Rated at 450 volts, d.c. working and 500 volts surge. Shpg. wt. 1 lb.

Stock No.	Cap. Mfd.	Diam. In.	Ht. In.	Your Cost
W3323	4	1 1/4	4 1/4	36c
W3324	8	1 1/4	4 1/4	42c
W3398	8-8	1 1/2	4 1/4	72c

### Compact Dry Electrolytics



These compact, cardboard cased dry electrolytics are ideal for replacement in all types of modern receivers. Ideal for a.c.-d.c. sets.

Stock No.	Cap. Mfd.	Surge Voltage	Terminal Connect.	Size Inches	Your Cost
W3575	4-4	175	Neg. Com.	2 1/4 x 1 x 3/4	\$0.38
W3576	8-5	175	Neg. Com.	3 x 1 x 1	.42
W3577	8-8	175	Separate	3 x 1 1/2 x 1	.54
W3578	8-8	175	Neg. Com.	3 x 1 x 1	.54
W3579	16-8	175	Neg. Com.	4 1/4 x 1 1/4 x 7/8	.62
W3580	16-16	175	Neg. Com.	3 x 2 x 1	.75
W3581	25-5	175	Neg. Com.	3 x 2 x 1	.63
W3582	16-16-8	175	Separate	4 3/8 x 1 1/2 x 1 1/2	1.15
W3583	25-5-5	175	Separate	2 1/2 x 1 1/2 x 1 1/2	.89
W3584	8-8-8	220	Separate	2 1/2 x 2 1/2 x 1 1/2	.85

### "PEE-WEE" Cardboard Dry Electrolytics



Smallest cased condenser; ideal for a.c.-d.c. In waxed containers.

#### 525 V.S. Peak (450 W.V.)

Stock No.	Cap. Mfd.	Dimensions Inches	Your Cost
W3487	2	2 1/2 x 1 x 1/2	\$0.29
W3488	4	2 1/2 x 1 x 1/2	.35
W3489	6	2 1/2 x 1 1/2 x 1/2	.40
W3490	8	2 1/2 x 1 1/2 x 1/2	.42
W3491	10	3 x 1 1/2 x 1 1/2	.52
W3492	12	3 x 1 1/2 x 1 1/2	.59

#### 250 V.S. Peak (200 W.V.)

Stock No.	Cap. Mfd.	Dimensions Inches	Your Cost
W3493	4	2 1/2 x 1 x 1/2	.29
W3494	8	2 1/2 x 1 x 1/2	.36
W3495	10	2 1/2 x 1 1/2 x 1/2	.40
W3496	12	2 1/2 x 1 1/2 x 1/2	.42
W3497	16	2 1/2 x 1 1/2 x 1/2	.47

### Special "600" V. Surge Dry Electrolytics



600 volts peak, d.c. 475 volts d.c. working. Boxes 1 1/2 x 2 1/2".

Stock No.	Cap. Mfd.	Inches Thick	Your Cost
W3205	1	1/2	\$0.38
W3206	2	1/2	.42
W3207	4	1 1/2	.52
W3208	6	1 1/2	.59
W3209	8	1 1/2	.60

### Special Compact Filters

For A.C.-D.C. Receivers 225 Volts D.C. Peak



Rated 200 working volts d.c. In cardboard containers 2 1/4" long.

Stock No.	Cap. Mfd.	Size	Your Cost
W3210	4	3/4 x 1 1/2	\$0.29
W3212	8	3/4 x 1 1/2	.36
W3213	10	3/4 x 1 1/2	.40
W3214	12	1 x 1 1/2	.42
W3215	16	1 1/4 x 1 1/2	.47
W3216	20	1 1/2 x 1 1/2	.54
W3217	25	1 3/4 x 1 1/2	\$.55

### Small Dry Electrolytics

#### 525 Volt Surge



Full capacitance. Heavy cardboard case. Wax impregnated containers. 450 volt working. 1 1/2" wide.

Stock No.	Cap. Mfd.	Size T. L.	Your Cost
W3223	1	1/2" 2 1/2"	25c
W3219	2	1/2" 2 3/4"	29c
W3220	4	1/2" 2 3/4"	35c
W3221	6	1/2" 2 3/4"	40c
W3222	8	1/2" 2 3/4"	42c
W3218	8-8	1 1/2" 2 1/2"	70c

### PAPER CARTRIDGE CONDENSERS



Especially suited for use in sets where space is an important factor. Sealed ends, leads cannot pull out.

Stock No.	Cap. Mfd.	Work. Volts	Your Cost	Stock No.	Cap. Mfd.	Work. Volts	Your Cost
W3173	.01	200	6c	W3185	.002	600	7c
W3175	.05	200	7c	W3186	.006	600	7c
W3176	.1	200	7c	W3187	.01	600	8c
W3177	.25	200	7c	W3188	.02	600	8c
W3178	.5	200	13c	W3189	.05	600	8c
W3179	.01	400	6c	W3190	.1	600	10c
W3180	.02	400	7c	W3191	.25	600	15c
W3181	.05	400	7c	W3192	.05-.25	200	14c
W3182	.1	400	8c	W3193	-1-1	200	14c
W3183	.25	400	10c	W3194	.25-.25	200	16c
W3174	.5	400	15c	W3195	.05-.05	400	14c
W3184	.001	600	7c	W3196	-1-1	400	14c

### Dry Electrolytic Filter and By-Pass Condensers

500 v. surge 450 v. working. Heavy cardboard containers. All with tinned lugs, W3348 has colored leads.



Stock No.	Cap. Mfd.	Size Inches	Your Cost
W3351	2	2 1/4 x 3/4 x 1 1/4	24c
W3346	4	4 1/4 x 3/4 x 1 1/4	30c
W3347	6	4 1/4 x 3/4 x 1 1/4	34c
W3348	8	4 1/4 x 3/4 x 1 1/4	38c
W3349	10	4 1/4 x 3/4 x 1 1/4	44c
W3350	12	4 3/4 x 1 1/4 x 1 1/4	48c

### MULTIPLE UNITS



All 500-volt surge, 450 working, and 4 1/2" high. Heavy cardboard.

Stock No.	Cap. Mfd.	Size Inches	Your Cost
W3337	4-4	1 1/2 x 1 1/2	48c
W3339	4-8	1 1/2 x 1 1/2	56c
W3342	8-8	1 1/2 x 1 1/2	60c
W3366	8-8-8	1 1/2 x 2	82c

### Shielded Paper By-Pass

Universal mounting types. Hermetically sealed in drawn aluminum shield cans.



Stock No.	Cap. Mfd.	Wkg. Volts	Your Cost
W3260	.1	200	15c
W3261	.25	200	19c
W3262	.5	200	22c
W3263	1.0	200	30c
W3264	2.0	200	49c
W3269	.1	400	22c
W3270	.25	400	26c
W3271	.5	400	33c
W3272	1.0	400	45c
W3276	.5-.5	200	39c
W3280	.5-.5	400	50c

### Compact Inverted Cans



All in 1" diameter cans. 550 volts surge. Aluminum can, 3/8" threaded stud. Long insulated leads; with all necessary hardware.

Stock No.	Cap. Mfd.	Size In. Height	Your Cost
W3376	2	4 1/4	30c
W3377	4	3 3/4	34c
W3378	6	3 1/2	40c
W3379	8	5 1/4	42c

### OIL IMPREGNATED VIBRATOR CONDENSER

Exact replacement condensers. Oil impregnated. Rated at 1600 volts. Small square metal cans are 1 1/2 x 1 1/2 x 1/2" with the exception of W3246, which is 1 1/2 x 1 1/2 x 5/8".



Stock No.	Cap. Mfd.	Stock No.	Cap. Mfd.
W3240*	.007	W3241*	.01
W3242*	.02	W3243*	.007
W3244*	.01	W3245*	.02
W3246*	.007		

Your Cost, Any Type, **22c**  
\*Have two leads—others, one.

Perfect Merchandise - Prompt Shipment - Personal Service



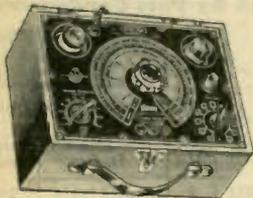
# TOBE

# SPRAGUE NOISE FILTERS

# SOLAR

## SOLAR

### CAPACITOR ANALYZER AND RESISTOR BRIDGE



This new analyzer measures the capacitance of ALL types of condensers by means of a Wein Bridge; range .00001 to 70.0 mfd. Measures power factor of electrolytics from zero to 50%; measures resistors from 2 to 50 megohms; measures leakage resistance of condensers and all insulation up to 1000 megohms; directly indicates leaks and shorts. Has 5 direct reading color-coded scales, built-in power supply, uses 6E5 indicator, 1V rectifier, neon test. In cabinet, 9 1/2 x 7 1/2 x 6 1/2", with removable cover. Shpg. wt. 7 lbs.

W10437—For 110 v., 60 cycles a. c. Less tubes **\$18.82**  
Your Cost

W10438—For 110/220 v., 25/60 cycles a.c. No tubes **\$25.32**  
Your Cost

Tubes for either above, 1-6E5, 1-1V. **\$1.40**

### SOLAR ELIM-O-STATS FOR NOISE

#### TYPE RA



For use directly at the receiver where a low intensity noise is being received through the power line. Fits on plug legs on line cord of set and is then inserted in power receptacle. Rated at 110 volts, 5 amperes, maximum, a. c., or d. c.

W12432—Your Cost **24¢**

#### TYPE RB



Type RB is similar to above but more efficient where severe noise is encountered. Plug end fits directly into receptacle, set plugs into unit. Shpg.

wt. 1 lb. W12433—Your Cost **44¢**

#### TYPE AD

Similar to above, but for application to small appliances. Has ground post for frame of unit causing noise. For 110 volts, 5 amperes, a. c., or d. c.

W12436—Your Cost **73¢**



#### TYPE RN

Designed to prevent all types of radio noises from passing to the receiver from the power line. Effective on all bands from 15 to 2000 meters. Employs sectional band-suppression circuit. With long, approved cord and plug.

W12434—Your Cost **\$2.94**

### FOR DIAL PHONES



For application to any dial telephone which creates electrical disturbance. Installed in a few minutes without disturbing the telephone installation and will not affect the operation of the telephone. This ELIM-O-STAT is so constructed as to satisfactorily reduce most noises on all frequencies. Shpg. wt. 8 oz.

W12435—Your Cost **73¢**

### SPRAGUE INTERFERENCE ANALYZER

Ferrets out the source of interference and shows how to eliminate it. Truly a laboratory instrument. No computations, design problems or guess work. Connect it to the electrical appliance suspected, turn on the receiver and manipulate the switch on the analyzer. The answer to the problem is then read direct. It is compact in construction, measures 4 1/2" wide, 7" high and 3" deep. Case is of molded Bakelite, walnut finished. With flexible leads for quick and safe connections. Saves time and money and is a business getter. Parts employed have a large safety margin and will easily withstand up to 220 volts, a. c., or d. c. With direct-reading charts and complete instructions. Shipping weight 10 pounds.



W12697—Your Cost Complete **\$9.55**

### NOISE REDUCING CONDENSERS



Type A left, B right



Type C right



Designed to meet all requirements. Type A (IF33 and 21) is a small two-lead condenser efficient for small appliances and tool motors. Type C (IF50) is an oil impregnated, oil-filled unit used where higher capacitance is required, as for large motors. Type IF11 is a dual unit used on flashers, oil burners, lathe motors, etc. Type B (CH1) is a specially designed choke to carry up to 10 amperes and used on approximately 1 h.p. motors or similar loads.

Stock No.	Type	Model	Shpg. Wt.	List Price	Your Cost
W12438	C	IF-11	1 lb.	\$2.50	\$1.47
W12439	C	IF-50	1 lb.	1.75	1.03
W12440	A	IF-33	1 lb.	1.75	.44
W12441	A	IF-21	1 lb.	1.00	.59
W12442	B	CH-1	1 lb.	1.35	.79

**KNOCKOUT BOX**—Heavy steel with three 3/8" knockouts on each side. 6 1/2 x 6 1/2 x 3". For mounting any above. **88¢**



Fig. 1—Showing how IF-33 or IF-21 condensers may be connected across small motors. Two short leads are connected across motor.

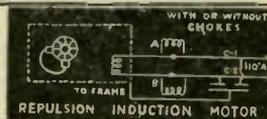


Fig. 2—A typical IF-11 installation made across an induction motor. Can is common negative. All connections close to motor.

## TOBE

### Power Line Filterette



Reduces noises which enter the set through the power line. Effective for all-wave receivers. Contains special all-wave inductors.

With cord and plug. Metal case. Type RF2. W12608—Your Cost **\$2.90**

### PLUG-IN FILTER



Capacitance type, needs no ground connection. Plugs into any 110-volt outlet, either a. c., or d. c. Has receptacle for receiver plug. W12607—Your Cost **59¢**

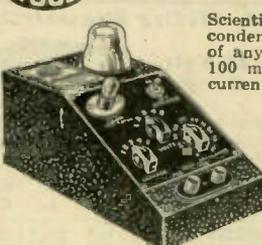
### ALL-WAVE FILTER



For suppressing radio noise caused by appliances. Approved by Underwriters. For 110 volts, a. c., or d. c. Maximum current rating, 5 amps. With receptacle and attachment cap for plug-in connection. Has ground post. In metal case, size 5 1/2 x 4 1/2 x 3 1/2". Shpg. wt. 13 lbs. W12683—110-PO Your Cost **\$6.18**

## TOBE

### CONDENSER ANALYZER



Scientifically and simply tests all types of condensers—electrolytic, paper, mica, oil—of any capacitance from .00005 mfd. to 100 mfd., for leakage resistance, leakage current, and short circuit, and intermittent internal connection. Contains a built-in power supply for operation on 110 volts, 50/60 cycle a. c., which furnishes up to 700 volts d. c., and employs a 01A tube. Leakage current is indicated by a neon glow tube. The quality of a condenser is determined by a simple setting of three controls. The instrument is encased in a black wrinkle-finished metal case only 3 1/2 x 4 1/2 x 7 1/2". Furnished complete with 6-foot cord and plug, full instructions and a pair of colored leads

W12605—With neon tube; less 01A tube. Your Cost **\$11.40**

### FOR OIL BURNERS



Effective on all waves. Mounted in cut-out box, with detachable clamps to mount on pipes or flat surface. Furnished with full instructions. Fully approved. For 110 volts, 4 amps., a. c. or d. c. Shpg. wt. 8 lbs. W12609—OB-110 Your Cost **\$5.70**

### Heavy Duty Filter

For use on motors, generators, farm lighting system, chargers, etc. In metal cut-out box. Effective on all waves. Fully approved. With necessary fuses for overload. For 110 volts, a. c. or d. c. Available also for 220 volts. Stock No. Amps. Wt. Net

W12680	5	10	57.15
W12681	10	15	11.75

## TOBE

### FILTERETTE JUNIOR

For household appliances, cash registers, etc. Easily makes all small motors noise-free. In Bakelite case 2 1/2" long, 1 1/2" diameter. Has ground post for frame of appliance. Approved by Underwriters. For 110 volts, a. c., or d. c. Has receptacle for receiver and prongs for power line outlet.



W12601—Your Cost **\$1.32**

### FILTERETTE SR.

Similar to above, but designed for larger interference-causing devices than can be handled with the above Filterette Jr. Fully approved by Underwriters' Labs. W12600—Wt. 4 lbs. Your Cost Each **\$3.24**

### RADIO NOISES AND HOW TO CURE THEM

This valuable book tells how radio noises originate, are distributed and how to cure them. Written for technicians and the layman. W12695—Your Cost **30¢**

# Exact Duplicate a.c.-d.c. ELECTROLYTICS

Stock No.	Mfr's No.	Cap. Mfd.	Wkg. Volts	Your Cost
<b>ATWATER-KENT</b>				
W4538	26158	8-14-8	150	\$1.15
W4539	22472	7	200	.40
W4540	24602	8-8-8	150	.97
W4541	24955	8-8-8	150	.97
W4542	27592	4-8-10	450-450-25	1.13
<b>BELMONT (FRESHMAN)</b>				
W3018	C-525C	5-25	100	.54
W3006	C-525-B	5-25-5	100	.86
W4543	119-11	4-3-4	300-250-25	.86
<b>BOSCH</b>				
W3016	105237	4-8-20	450-450-50	1.13
W4544	150722	4-12-8-4	150-25	1.13
W4545	105309	16-4-4-5	150-10	1.21
<b>COLONIAL</b>				
W4546	R8780-C	8-4	350-150	.65
W4547	8357	8-20	150-20	.70
W4548	8449	8-8-35	150-20	.13
W4549	R11909	4-12	350-25	1.59
W4550	R10673	6-6-25	150-25	.81
<b>CROSLY</b>				
W2804	W27488	6-8	300-25	.56
W2805	W27488A	6-8	450-25	.51
W502	30124	16-16-8	100-125	1.16
W503	29012	12-2-5	40-80 a.c.	.67
W504	29150	7-6-8	450-400-25	.97
W505	30059	8-8-8	450-250-450	1.19
W3023	26896A	12-6	300-25	.70
W3024	29264A	16-16-8	125-100-20	1.18
W3025	29804A	16-16-8	150	1.24
W3027	30419	8-8	25-250	.65
W2975	28068	12	200	.51
W4551	30962B	8-25	150	.85
W2976	25857B	8-8	200-25	.46
W2977	26119	8-4	150-300	.57
W3824	27677	8-8	25	.40
W3825	28468	8-12	350-475	1.21
W3826	29097B	8-8-8	450-450-250	1.16
W2829	29808	12	250	.59
<b>DETROLA</b>				
W3039	Aberne	4-17-8	135	.94
W3040		8-8-8-4	100	.75
<b>EMERSON</b>				
W2956	KC68	4-8-16	175	.97
W3830	HC31	4-4	200	.53
W4552	TC89	4-12-16	150	1.03
W4553	TTC169	6-8-12	450-25	1.13
W4554	GGC137	8-16-5-5	175-35	1.13
W4555	UUC179	12-8-5-5	150-25	1.13
<b>ERLA (SENTINEL)</b>				
W4556		8-16-8	150	1.05
W4557	9982	8-8-20	100-150	.97
W4558	9442	4-10-7-7	150	.97
<b>FADA</b>				
W3043	1362MS	8-16	200	.94
W4559	1450MS	8-8-16	250-150-250	1.29

We offer the most comprehensive line of exact duplicate a.c.-d.c. electrolytic condenser blocks for popular receivers. All units listed conform physically and electrically with the original manufacturers' specifications. If the part you desire is not shown, we can supply a replacement at the lowest net price—send sample or give manufacturer's name, part number, capacities and working voltage and any other pertinent information.

Stock No.	Mfr's No.	Cap. Mfd.	Wkg. Volts	Your Cost
<b>GALVIN (MOTOROLA)</b>				
W4560	1388	8-8-25	350-25	\$1.18
W4561		2.7-6.91-	250-200-	.81
		10	12.5	
W4562	8426	4-8-5	350-200	1.00
W4563	1540	3-5-6	200-25	.79
W4564	1668	6-4-6	200-12	.82
<b>GENERAL ELECTRIC (See RCA-Victor)</b>				
<b>GENERAL HOUSEHOLD UTILITIES</b>				
W3041	27181	10-4-25-4	100-25	1.19
W4565	30091-1	8-8-8	450-475-	1.59
		12-12	25	
W4566	30326	8-8-12	350-250	1.08
W4567	26508	8-8-4-4	300-25	1.08
<b>GRIGSBY-GRUNOW (MAJESTIC)</b>				
W2817	7402	10	6	.27
W2819	8118	20	30	.32
W2821	7824	8-16	300	.89
W2823	8755	4-8	450	.70
W2825	9661	8-10-16	140-15-140	.97
W2827	9979	8-8	350	.76
W2831	10369	8-8	450	.81
W2835	11200	4-2	450	.65
W2850	11640	4-6-10	300-350-25	.95
W3835	7988	7	150	.41
W3836	10827	10-8-8	25-350	1.09
W2924	4718-D	8-8	500	.95
W4568	10536	4-6-10	300-350-25	1.00
W4569	6277	8-4-4	450	1.18
<b>INTERNATIONAL (KADETTE)</b>				
W2978	A424	4-10-10	150	.59
W2979	A426	2-7	100	.84
W2980	A427	3 1/2-3 1/2-3 1/2	100-25	.65
W4570	A412	8-30	150	.91
W4571	A425	10-10-4	150	.97
W4572		4-12-7	150	.97
<b>RCA-VICTOR</b>				
W2863	66143-3	4-4	450-150	.57
W2864	66122-2	4-4	250	.51
W2865	66140-4	1-3-6	250-100	.40
W2866	66140-2	5-5	35	.40
W2867	66143-2	10-4	350-150	.67
W2885	66174	4-4-4	140-220-140-	1.35
		15-4-4	20-140-180	
W2887	66185-1	8-8-5-5	40-230-380	1.10

Stock No.	Mfr's No.	Cap. Mfd.	Wkg. Volts	Your Cost
<b>RCA VICTOR—Continued</b>				
W2889	66189-2	8-4-4-4	350-150-280-25	\$1.11
W2893	66185-2	8-8-5-5	450-50	1.19
W2894	66197-11	4	150	.30
W2899	68531-2	4-10-8	450-50-200	1.30
W2900	68527-2	10-10-4	25-25-200	.57
W2901	66143-3	4-4	450-150	.73
W2929	66160-2	8-4-10	150-100-25	.73
W2930	66155-1	4-4-10-	300-300-	1.08
		4	150-25	
W2934	66197-2	5-5	50	.40
W3838	66160	8-8	250-175	.67
W3840	66189-1	8-4-4	350-150-300	.89
W3839	6535	4-4	150-300	.49
<b>R. K. RADIO LABS.</b>				
W2718	Radio Keg	12-8-5	150-25	.92
W4573		16-16-8	150-400	.92
<b>SPARTAN</b>				
W2935	9550	5-25-5	150	1.05
W4574	10001	6-10-4	250-200	1.03
W4575	10118	6-2	500	.84
W4576	11093-1	5-25-5	175	1.05
W4577	9308	20	25	.32
W4578	10318	2	150	.27
<b>STEWART WARNER</b>				
W3842	83111	8-8-5-5	250-25	1.05
W4579	81959	4-13-7	150	.97
W4580	85566	40	100	.81
W4581	83962	10-5	25-350	.44
<b>U. S. RADIO &amp; TEL. (APEX)</b>				
W3843	6201	4-4-12	150	.92
W4582	6508A	8-8-4-4	300-25	1.03
W4583	2719	8	300	.53
<b>UNITED MOTORS</b>				
W4582	26508B	8-8-4-4	300-25	1.21
W3843	6201	4-4-12	150	.92
W4584	4038	10-10	300	.84
W4551	4052	8-25	150	.78
<b>WELLS GARDNER (MONT'Y. WARD)</b>				
W2905	80939	8-16	300	.90
W2907	81021	12-12	25	.35
W2939	80984B	16-6-	475-150-	1.75
		4-8	350-100	
W3844	80944E	4-12-16	150	1.09
<b>WILCOX GAY</b>				
W4585	1085	4-6-5	150	.89
W4586	1085	4-12-4	150	1.03
<b>WURLITZER (LYRIC)</b>				
W4587	Y3764	12-16-10	150-25	1.09
W4588	37-3715	8-8-10	450-25	1.18
W4589	37-3773	4-8-10	250-25	.97
W4590	20130	2-8	450-200	.59
<b>ZENITH</b>				
W3010	22-236	8-8-10	300-25	1.03
W3006	525-P	5-25-5	100	.86

**MALLORY Special Electrolytics**



For Crosley models 95, 96, 98, 99, 102, 129-1, 130, 130-1, 132, 132-1, 134, 136-1, 146-1, 148, 154, 157, 158, 160, 163, 167, 169 and 176. Capacity 8-8 mfd., 250-350 working volts. Illustrated. **W3956—Your Cost . . . . . 76¢**

For Philco models 16, 17, 18, 116, 118, 200, 201, 640, 650, 660, 680. Capacity 3-2-1-1 mfd., 450 working volts. **W3957—Your Cost \$1.23**

For Belmont models 53, 425, 440, 525, 530, 540, 625, 650; Emerson models H5, 30AW, 33AW, 250, 250AW, 321AW, 350AW, 301W, 33LW, 250LW, 321LW, 350LW; Grunow models 5B, 501, 550; Sears Roebuck model 7114; Wells Gardner models 05A, 5B; Zenith models 701, 702, 801. 5-25-10 mfd., 150 working volts. **W3958—Your Cost \$1.15**

For Kadette F Jr., early and late. 4-4-4 mfd., 150 working volts. **W3959—Your Cost Each . . . . . 79¢**

**AEROVOX EXACT DUPLICATE CONDENSERS**

Stock No.	Mfr.'s No.	Model of Set	Cap. Mfd.	Your Cost
<b>ATWATER-KENT</b>				
W4540	24602	155	8-8-8	\$0.97
W4541	24955	155 (3)	8-8-8	.97
W4538	26158	275, 825	8-14-8	1.15
W4542	27592	376	4-8-10	1.13
<b>COLONIAL</b>				
W4546	R8780C	122, 152	8-4	.65
<b>CROSLY</b>				
W2804	W27488	148, 167	8-6	.56
W3024	W29264A	166, 172	16-16-8	1.18
W3025	W29804A	174	8-16-16	1.24
W3027	W30419	103	8-8	.65
W4551	W30962	182	8-25	.85
<b>EMERSON</b>				
W3830	HC-31	20A, 25, 25A	4-4	.53
W3831	HC-32	20A, 25, 25A	5-5	.44
W4555	UUC-179	31B5	12-8x5-5	1.15
<b>FADA</b>				
W3043	4-1362MS	RN	8-16	.94
W4559	4-1450MS	RU	8-8-16	1.29
<b>INTERNATIONAL (KADETTE)</b>				
W4570	A-412	ES19, ES20, ES25, ES30, 60, 65, 80, 85	8-30	.91
W4571	A-425	A and B	10-10-4	.97
<b>MAJESTIC</b>				
W3833	5414	151, 153, 154, 155, 156, 251, 253, 254	8	.56
W4569	6277	201, 203, 204	8-4-4	1.18
W3834	7173	291, 293, 294	8	.56

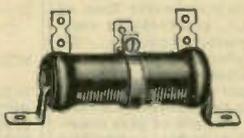
Stock No.	Mfr.'s No.	Model of Set	Cap. Mfd.	Your Cost
<b>WELLS GARDNER</b>				
W3835	7988	324, 344, 363, 311, 314, 315, 331, 336-77	7	\$0.41
W4568	10536	40, 49	10-4-6	1.00
W3836	10827	194 Chas. 440, 55, 59, 75, 195, 560, 556, chassis 500	10-8-8	1.09
<b>GALVIN (MOTOROLA)</b>				
W4560	1388	100	8-8x25	1.18
W4564	1668	75 (late)	6-4x6	.82
W4563	1540	57	3-5x6	.79
<b>STEWART-WARNER</b>				
W3841	81698	10-20	5-5	.44
W4579	81959	R115, R116	4-13-7	.97
<b>UNITED MOTORS</b>				
W4582	26508B	4038	8-8-4-4	1.21
<b>U.S. RADIO &amp; TELEVISION</b>				
W4583	2719	Apex (1001 Chas.) 10B-200 Pres.	8	.53
<b>WELLS-GARDNER</b>				
W3844	80944-A	05A, 05BA, 05AA	4-12-16	1.09
<b>WURLITZER (LYRIC)</b>				
W4588	35-3715	SA-5	8-8-10	1.18
W4589	37-3773	C4-M4	4-8x10	.97
W4587		SU-5	12-16x10	1.09

Due to space limitations in this catalog the following listing is but a condensed representation of the AEROVOX line of exact duplicate condensers. Any type not listed here is on hand for immediate delivery at 40 & 2% discount.

# Trutest Vitreous Enamel RESISTORS

## Trutest SEMI-VARIABLE WIRE WOUND RESISTORS

The most practical replacement voltage dividers obtainable. Just set the sliders to the desired point and you have a made-to-order voltage divider. Adjustable lugs have small contact buttons so that several taps may be used without shorting out much resistance. Each unit equipped with one sliding contact. Furnished complete with legs.



25 Watts (2" Long x 1/4" O. D.)				50 Watts (4" Long x 1/4" O. D.)			
Stock No.	Resist. Ohms	Max. Curr.	List Price	Stock No.	Resist. Ohms	Max. Curr.	List Price
W20740	1	5000	\$0.85	W20770	100	700	\$1.80
W20741	2	3500	.85	W20771	200	500	1.80
W20742	3	2800	.85	W20772	300	406	1.80
W20743	5	2225	.85	W20773	400	353	1.80
W20744	10	1500	.85	W20774	500	316	1.80
W20745	20	1100	.85	W20775	800	252	1.80
W20746	50	700	.85	W20776	1000	224	1.80
W20747	100	500	.85	W20777	1500	182	1.80
W20748	200	353	.85	W20778	2000	158	1.80
W20750	500	224	.85	W20779	2500	141	1.80
W20751	750	182	.85	W20780	3000	129	1.80
W20752	800	177	.85	W20781	4000	112	1.80
W20753	1000	158	.85	W20782	5000	100	1.80
W20754	1500	129	.85	W20783	6000	91	1.45
W20755	2000	112	.85	W20784	7000	84	1.45
W20757	2500	100	.85	W20785	8000	79	1.45
W20759	4000	79	.85	W20786	9000	74	1.60
W20760	5000	71	.85	W20787	10000	71	1.60
W20761	6000	64	.85	W20788	12000	65	1.60
W20762	7000	60	.85	W20789	15000	58	1.75
W20763	8000	56	.85	W20790	20000	50	1.80
W20765	10000	50	.85	W20791	25000	45	1.80
W20795	15000	41	.85	W20792	30000	41	1.85
W20796	20000	35	.85	W20793	40000	35	1.90
W20797	25000	32	.85	W20794	50000	32	1.95

6" Long x 1/4" O. D.—75 Watts			
Stock No.	Resist. Ohms	Max. Curr.	List Price
W20800	100	865	\$1.75
W20801	200	610	1.75
W20802	300	500	1.75
W20803	400	432	1.75
W20804	500	387	1.75
W20805	750	316	1.75
W20806	1000	274	1.75
W20807	1500	224	1.75
W20808	2000	194	1.75
W20809	2500	173	1.75
W20810	3000	158	1.75
W20811	4000	137	1.75

Extra sliders to fit any of the above resistors.  
W20825—Your Cost Each

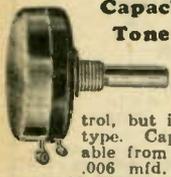


### Power Clarostats

Heavy duty variable resistors. Power Clarostats will handle 80 watts; Super-Power Clarostats 250 watts.

Power Stock No.	Super-Power Stock No.	Res. Ohms	Price
W6831	W6834	1/4-10	\$2.05
W6832	W6835	25-500	
W6833	W6836	200-1 Meg.	

### Filtermatic Octave Capacitor Type Tone Control



Grid circuit type; is in form of conventional control, but is of capacitor type. Capacitance variable from 50 mmfd. to .006 mfd. in 7 gradual steps. No danger of breakdown.

W6840—Less switch	35c
W6841—With switch	53c

### CENTRALAB POWER RHEOSTATS

Ideal for use as motor speed controls, charging rate regulators, etc. All metal frame and core insulated with treated asbestos. Made for three popular wattage ratings. Wire wound. Single hole mounting. Knob supplied. All 2" in diameter.



25-Watt Units			
Stock No.	Res. Ohms	Units	Res. Ohms
W8977	2	W8981	150
W8978	6	W8982	400
W8979	15	W8983	1000
W8980	50	W8984	5000

50-Watt Units			
Stock No.	Res. Ohms	Units	Res. Ohms
W8987	25	W8990	500
W8988	60	W8991	1000
W8989	150		

75-Watt Units			
Stock No.	Res. Ohms	Units	Res. Ohms
W8995	50	W8998	500
W8996	150	W8999	1000
W8997	300		

## Trutest 5 and 10 Watt Resistors Wire Wound



Tolerance Within 2%

These Trutest resistors are wound with genuine nichrome wire on fine ceramic tubes. Guaranteed accuracy 2%; most are within 1%. When ordering, specify size desired.

1% of their rated value.							
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
5	50	250	800	1500	2750	8000	20000
10	75	400	900	1750	3000	9000	22500
15	100	500	1000	2000	4000	10000	25000
20	150	600	1100	2250	5000	12500	30000*
25	200	750	1250	2500	6000	15000	40000*
					7000	17500	50000*

\* Available in 10-watt size only.  
W4438—TRUTEST 5-Watt Resistors  
Your Cost Each, Any Size **18c**  
W4439—TRUTEST 10-Watt Resistors  
Your Cost Each, Any Size **21c**

## Trutest FIXED RESISTORS



Guaranteed to be within plus or minus 10% of their rated value, most are within 5%. All are non-porous, dissipate heat rapidly, have positive lug contacts and do not change in resistance value. Contact lugs are of Monel Metal. Each resistor is individually marked showing resistance.

10-Watt Rating 1/2 x 1 1/4" Isolantite Tube							
Stock No.	Ohms	Stock No.	Ohms	Stock No.	Ohms	Stock No.	Ohms
W4850	1	W4861	30	W4872	400	W4881	3000
W4851	2	W4863	40	W4873	500	W4883	5000
W4854	5	W4864	50	W4875	750	W4886	10000
W4856	10	W4866	100	W4876	1000	W4888	15000
W4858	15	W4868	150	W4878	1500	W4889	20000
W4859	20	W4869	200	W4879	2000	W4890	25000
W4860	25	W4870	250	W4880	2500		

20-Watt Rating 1/2 x 2" Isolantite Tube				50-Watt Rating 3/4 x 4" Isolantite Tube			
Stock No.	Ohms	Milli-Volts	Your Cost	Stock No.	Ohms	Milli-Volts	Your Cost
W4910	25	895	22	W4956	20	1581	36
W4911	50	633	32	W4958	100	707	70
W4912	75	517	38	W4959	250	447	111
W4913	100	447	44	W4960	500	316	157
W4915	200	316	63	W4962	750	258	192
W4917	300	258	77	W4963	1000	223	200
W4919	400	224	90	W4964	1500	182	275
W4920	500	200	100	W4965	2000	158	315
W4923	750	163	122	W4969	4000	111	450
W4926	1000	141	141	W4970	5000	100	500
W4930	1500	115	173	W4971	6000	91	540
W4933	2000	100	200	W4973	7500	81	610
W4934	2250	94	211	W4976	10000	70	700
W4936	2500	89	222	W4978	12500	63	790
W4938	3000	81	240	W4979	15000	57	850
W4940	4000	71	284	W4981	20000	50	1000
W4942	5000	63	315	W4982	25000	44	1100
W4943	6000	57	342	W4983	30000	41	1200
W4946	8000	50	400	W4984	40000	35	1400
W4947	10000	44	440	W4985	50000	31	1550
W4948	12500	40	500	W4987	75000	26	1950
W4949	15000	37	550	W4988	100000	22	2200
W4950	25000	28	700				
W4951	35000	24	850				
W4952	50000	22	1000				
W4951	75000	19	1150				
W4892	100000	16	1250				

Wattage ratings taken with one foot of free air circulating around unit.

## Exact Duplicate Voltage Dividers

Only the most popular types are listed. We can supply voltage dividers for any receiver, at the very lowest prices. Write giving name and model number of set, and we will quote immediately.

Name and Model	Resistance In Ohms	Stock No.	Your Cost
APEX 27	4700-8400-10700	W20411	73c
BOSCH 48	950-1450-2000	W20431	60c
EARL 31, 31S, 32, 32S, 41, 33, 33S	4000-0-750	W20491	57c
FRESHMAN N-11, N-12	2200-6600-3300-4500-1500	W20508	59c
FRESHMAN "G"	2100-3000-4300-1250-300	W20509	64c
MAJESTIC 20	4125-750-0-770-158	W20550	77c
STROMBERG 635, 636	2500-3000-3000-770	W20614	78c
STROMBERG 641, 642, 652, 654	7800-3200	W20620	75c
VICTOR R-32, RE-45, R-52, RE-75	2000-1350-200-775	W20632	50c
ZENITH ZE-10, ZE-12, ZE-13, ZE-15, ZE-16	6000-7800-8000-2500	W20635	70c
Power Units	13000-11000-9500-1800	W20636	90c
ZENITH ZE-18 Power Unit	2800-2350-850	W20638	70c
ZENITH ZE-50, ZE-60, ZE-70 Series Power Units			

# Truest Carbon Resistors

## Truest INSULATED



### CARBON RESISTORS

The latest development in the resistor field. High

quality carbon resistors, guaranteed accurate plus or minus 10%, in a processed moisture-proof insulating envelope. Can be used anywhere without fear of shorting. R.M.A. color coded. Tinned wire leads. They are noise-free.

**Specify resistance desired when ordering.**

Ohms	Ohms	Ohms	Ohms	Ohms
200	2000	15000	100000	750000
500	2500	20000	150000	1 Meg.
800	5000	25000	200000	2 Meg.
1000	7500	50000	250000	5 Meg.
1500	10000	75000	500000	10 Meg.

W5257— $\frac{1}{2}$ -Watt, 1x $\frac{1}{4}$ " Your Cost Each ..... **7c**

W5258—1-watt, 1 $\frac{1}{4}$ x $\frac{1}{4}$ " Your Cost Each ..... **8c**

## Truest Ohm Indicator

Handy  
Simple  
Reliable



Range 0-100,000 Ohms

Wire wound on a vitreous enameled Isolantite tube. Calibrated from 0 to 100,000 ohms. Comes with test prod and test clips. May also be used as a temporary voltage divider, volume control, etc. In use, test clips are fastened on the ends of the defective resistor, and prod is run up the scale until the best reception is obtained; resistor of same value is then substituted. Shpg. wt. 2 lbs.

W4997—Your Cost ..... **\$1.45**

## Truest FILAMENT AND C. T. RESISTANCES WITH CENTER TAP



Dependable wire wound units, accurately rated. Tapped

at the electrical center. Have solder lug terminals and mounting feet. Available in 10, 20, 30, 40, 50, 60, 100 and 200 ohms.

Specify resistance desired. W3999 Your Cost Each ..... **8c**

### WITHOUT CENTER TAP

For filament circuits. Available in 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 25, 30, 40, 50 and 60 ohms. Specify resistance desired.

W3997 Your Cost Each ..... **7c**

Same as above, but 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000 or 1500 ohms. Specify resistance desired.

W3998—Your Cost Each ..... **8c**

## Truest CARBON RESISTOR STRIPS



Just the thing for the shop or the tool kit. Each consists of a selection of Truest R.M.A. coded carbon resistors neatly mounted on a heavy cardboard strip that has a hole at one end for hanging on a nail or hook. By refiling from Truest stock as they are used, a complete range of popular values can be kept on hand at all times. 20 resistors in each kit. R.M.A. color code chart with each strip.

### $\frac{1}{2}$ -WATT KITS

W4435—20 resistors 200 to 15,000 ohms.  
W4436—20 popular resistors ranging from 17,500 ohms to 2 $\frac{1}{2}$  megohms.  
Your Cost Each, Either Kit ..... **90c**

### 1-WATT KITS

W4430—20 resistors 200 to 25,000 ohms.  
W4431—20 popular resistors ranging from 80,000 ohms to 10 megohms.  
Your Cost Each, Either Kit ..... **\$1.05**

## GENERAL REPLACEMENT RESISTORS

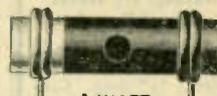
All absolutely moisture proof and will stay permanent regardless of atmospheric conditions.

TRUEST 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 age cannot change the resistance value. Great mechanical strength eliminates any chance of accidental breakage.

**PRECISION MANUFACTURING**—Carefully calibrated resistance material is molded in a solid form and fired at a high temperature so that no ordinary service or overload temperature can damage the resistor wire. Tinned leads are forced onto the metal sprayed ends under great pressure. Nothing is spared to make these replacement resistors as fine a group as can be obtained for service work.



2-WATT



1-WATT

2-WATT  
2" LONG

$\frac{1}{2}$ -WATT  
1" LONG

1-WATT  
1 $\frac{3}{4}$ " LONG

$\frac{1}{2}$   
WATT

Resis. Ohms	$\frac{1}{2}$ -Watt Stock No.	1-Watt Stock No.	2-Watt Stock No.	Resis. Ohms	$\frac{1}{2}$ -Watt Stock No.	1-Watt Stock No.	2-Watt Stock No.
200	W4250	W4300	W4450	25000	W4274	W4324	W4474
300	W4245	W4318		30000	W4275	W4325	W4475
400	W4251	W4301	W4451	40000	W4276	W4326	W4476
500	W4252	W4302	W4452	50000	W4277	W4327	W4477
600	W4253	W4303	W4453	60000	W4278	W4328	W4478
700	W4254	W4304	W4454	70000	W4279	W4329	W4479
800	W4255	W4305	W4455	75000	W4280	W4330	W4480
1000	W4256	W4306	W4456	100000	W4281	W4331	W4481
1250	W4257	W4307	W4457	125000	W4282	W4332	W4482
1500	W4258	W4308	W4458	150000	W4283	W4333	W4483
2000	W4259	W4309	W4459	200000	W4284	W4334	W4484
2500	W4260	W4310	W4460	250000	W4285	W4335	W4485
3000	W4261	W4311	W4461	300000	W4286	W4336	W4486
3500	W4262	W4312	W4462	400000	W4287	W4337	W4487
4000	W4263	W4313	W4463	500000	W4287	W4337	
5000	W4264	W4314	W4464	750000	W4298	W4353	
6000	W4265	W4315	W4465	Megohms			
7000	W4266	W4316	W4466	1	W4288	W4338	
7500	W4267	W4317	W4467	1.5	W4248	W4351	
8000	W4268	W4318	W4468	2	W4289	W4339	
9000	W4246	W4349		2.5	W4249	W4352	
10000	W4269	W4319	W4469	3	W4290	W4340	
12000	W4270	W4320	W4470	4	W4291	W4341	
15000	W4271	W4321	W4471	5	W4292	W4342	
17000	W4272	W4322	W4472	6	W4293	W4343	
20000	W4273	W4323	W4473	7	W4294	W4344	
				8	W4295	W4345	
				9	W4296	W4346	
				10	W4297	W4347	

### $\frac{1}{2}$ -WATT SIZE

Your Cost Each ..... **5c**  
Per Dozen ..... 50c  
Per 100 ..... \$4.00

### 1-WATT SIZE

Your Cost Each ..... **6c**  
Per Dozen ..... 60c  
Per 100 ..... \$4.85

### 2-WATT SIZE

Your Cost Each ..... **10c**  
Per Dozen ..... \$1.00  
Per 25 ..... 2.20

**FREE!** With each purchase of 3 or more Truest Carbon Resistors, a pocket-size R.M.A. color code chart.

**\$1.65**

Kit of 25



**FREE!**  
Color Code Chart

**\$2.75**

Kit of 48  
R.M.A. Color Coded Resistors in Sturdy Metal Box with Hinged Cover

## Truest "RESISTO-CAN" 1-WATT CARBON RESISTOR KITS

Handy for the serviceman's tool kit or work bench. These popular kits are made up of assortments of the most commonly used 1-watt carbon resistors. All are R.M.A. color coded, and a chart is furnished with each kit. Resistors are contained in a sturdily built metal box that is attractively finished in a durable lacquer.

### HANDY TO HAVE ON HAND

Box has hinged top cover. By replacing resistors as they are used, a good working stock is always on hand. The kit of 25 units contains 25 different value resistors; the larger kit contains a total of 34 different sizes, with two and three of the most popular resistances to make a total of 48 units. Kits are offered at extremely low prices—stock up now. Why wait until a rush job finds you out of the very unit you need?

### KIT OF 25 RESISTORS

25 popular 1-watt R.M.A. coded carbon resistors ranging from 200 ohms to 2 megohms. In metal box 4 $\frac{1}{2}$ x6 $\frac{1}{4}$ x $\frac{3}{4}$ ". Shpg. wt. 2 lbs.  
W4432—Your Cost Each ..... **\$1.65**

### KIT OF 48 RESISTORS

48 popular 1-watt R.M.A. coded carbon resistors ranging from 200 ohms to 3 megohms. In metal box 10 $\frac{1}{4}$ x4 $\frac{1}{4}$ x $\frac{3}{4}$ ". Shpg. wt. 3 lbs.  
W4433—Your Cost Each ..... **\$2.75**

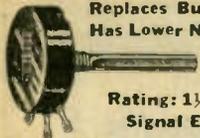
**We Will Not Knowingly Be Undersold**



# ELECTRAD WIRE WOUND RESISTORS

## NEW! ELECTRAD Type BN Attenuators

Replaces Bulky Units  
Has Lower Noise Level



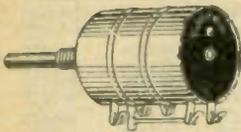
Rating: 1½ Watts  
Signal Energy

Feature lower noise level, true logarithmic and greater attenuation. Only 1¼" diam., ¼" deep. Control mike, phono, radio line, antenna impedance matching line, etc. Can be used as speaker control.

Stock No.	Imped. Ohms	Stock No.	Imped. Ohms
W7677	15	W7683	3000
W7678	50	W7684	4000
W7679	100	W7685	5000
W7680	200	W7686	7000
W7681	250	W7687	10000
W7682	500		

Your Cost Each ..... **\$1.76**

### T Pad Attenuator

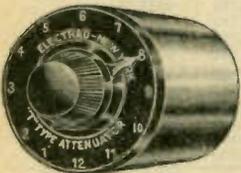


A network of three resistors are housed in a large moisture-proof case. Two sections offer constant resistance to the input and output circuits while a tapered section controls the volume level.

Stock No.	Ohms	Stock No.	Ohms
W7715	8	W7706	200
W7705	15	W7707	500
W7712	50		

Your Cost Each ..... **\$2.06**

### Super T Pad



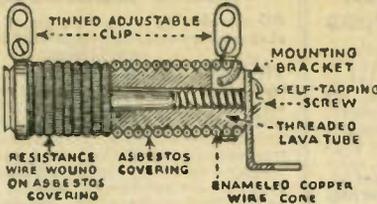
Tap switch type, wire wound element. Self-cleaning contacts. Will handle 8 watts of signal energy. Even attenuations obtained up to 44 db in 4 db steps. Is non-inductive and absolutely quiet.

W7710	—200 ohms
W7711	—500 ohms

Your Cost Each ..... **\$7.35**

## ELECTRAD TRUVOLT ADJUSTABLE RESISTORS

The Electrad line of Truvolt wire wound resistors incorporates many design features that make them especially well suited for general replacement work or for new apparatus. The fine resistance wire is wound on an asbestos core and then wound on a pre-grooved lava tube.



Element cannot loosen or short. Adjustable clips are tinned for easy soldering. A protective insulating sleeve is furnished with each resistor. Unique end brackets are supplied with types B and C resistors—they can be mounted in any position. Self-tapping screws are supplied that fit inside the tube.

### Type A—10-Watts—¾" x 1¼" Long

Stock No.	Res. Ohms						
W7150	1	W7161	50	W7169	1000	W7176	5000
W7151	2	W7162	75	W7170	1250	W7177	7500
W7153	3	W7163	100	W7171	1500	W7178	10000
W7155	7.5	W7164	200	W7172	2000	W7179	15000
W7156	10	W7165	300	W7173	2500	W7180	20000
W7157	15	W7166	400	W7174	3000	W7181	25000
W7159	25	W7167	500	W7175	4000		
W7160	30	W7168	800				

Your Cost Each, Any Size ..... **29¢**  
W7632—Extra Sliders—Each ..... 5¢ Per Dozen ..... 50¢

### Type B—25-Watts—2" Long

Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
W7212	100		W7224	2000		W7237	9000	
W7213	200		W7226	2500		W7238	10000	
W7215	300		W7227	3000	49c	W7239	12000	55c
W7216	400		W7228	3500	49c	W7240	15000	
W7217	500		W7229	4000	49c	W7241	20000	65c
W7218	750	49c	W7230	4500		W7242	25000	76c
W7219	800		W7231	5000		W7243	30000	
W7221	1000		W7232	6000	55c	W7244	40000	
W7222	1250		W7233	7000		W7245	50000	
W7223	1500		W7235	7500				

W7633—Extra Sliders—Each 5¢ Per dozen ..... 50¢

### Type C—50-Watt—4" Long

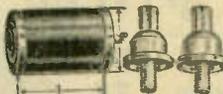
Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
W7246	100		W7259	3000		W7271	12000	
W7247	200		W7260	3500		W7272	15000	
W7248	300		W7261	4000	79c	W7273	20000	88c
W7249	400		W7262	4500		W7274	25000	
W7250	500		W7263	5000		W7275	30000	
W7251	750	79c	W7264	6000		W7276	40000	\$1.00
W7253	1000		W7265	7000		W7277	50000	
W7255	1500		W7267	7500	88c	W7278	60000	
W7256	2000		W7269	9000		W7279	80000	\$1.18
W7258	2500		W7270	10000		W7280	100000	

W7635—Extra Sliders—Each ..... 5¢ Per Dozen ..... 50¢

## PRECISION WIRE WOUND ONE WATT RESISTORS

One watt precision wire wound resistors accurate to within plus or minus 1%. Each resistor individually bridge tested. Particularly suited for use as multipliers with voltmeters and other laboratory test instruments. Highest quality enameled wire insures against shorted turns. Non-inductive winding impregnated with moisture-proof compound. Windings utilize a non-porous ceramic form having six sections. Reversed winding of adjacent sections provides low distributed capacitance. For pictorial mounting.

Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
W5003	5		W5015	7500		W5027	100000	\$1.09
W5004	10		W5016	10000	58c	W5028	125000	1.23
W5005	25		W5017	12500	64c	W5029	150000	
W5006	50		W5018	15000		W5030	175000	\$1.38
W5007	100	50c	W5019	20000		W5031	200000	
W5008	150		W5020	25000		W5032	225000	\$1.53
W5009	200		W5021	30000		W5033	250000	
W5010	500		W5022	35000	79c	W5034	300000	1.68
W5011	1000		W5023	40000		W5035	400000	1.76
W5012	2500	53c	W5024	50000		W5036	500000	2.00
W5013	4500		W5025	60000		W5037	750000	2.64
W5014	5000	58c	W5026	75000		W5038	1 Meg.	3.09



### FERRULES ONLY

These ferrule terminals screw into threads provided in the resistors. A complete unit can then be mounted in clips or attached to leads.

W5001—Your Cost Per Pair **15¢**

## ELECTRAD Variohms



High wattage resistors for use as bleeders and voltage dividers. Vitreous enamel coated, with tinned Monel metal lugs. Furnished with one metal slider and mounting brackets of unique design which allow for easy adjustment of mounting centers; hold resistor rigidly. All tolerances are 5% plus or minus. 100 and 200 watt units ideal for low power transmitters.

### 25-Watt (Max.) Size: 5/8" x 2 1/2"

Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
W7581	10		W7590	2000	
W7582	25		W7591	2500	50c
W7583	50		W7592	4000	
W7584	100		W7593	5000	
W7585	200	50c	W7594	6000	
W7586	500		W7595	7500	56c
W7587	750		W7596	10000	
W7588	1000		W7597	15000	
W7589	1500		W7598	25000	65c

W7599—Extra Sliders—Each ..... 6c

### 100-Watt (Max.) Size: 1" x 7"

Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
W7600	1000		W7608	15000	\$1.32
W7601	2500		W7609	20000	
W7602	3000	\$1.18	W7610	25000	
W7603	4000		W7611	35000	
W7604	5000		W7612	40000	\$1.47
W7605	6000		W7613	50000	
W7606	8000	\$1.32	W7614	60000	\$1.62
W7607	10000		W7615	75000	

W7634—Extra Sliders—Each ..... 9c

### 200-Watt (Max.) Size: 1 1/4" x 10 1/2"

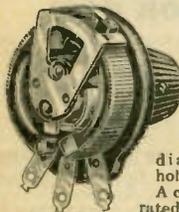
Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
W7616	500		W7624	20000	
W7617	1000		W7625	25000	
W7618	1500		W7626	35000	
W7619	2000	\$1.76	W7627	50000	\$2.06
W7620	2500		W7628	60000	
W7621	3000		W7629	75000	
W7622	5000		W7630	80000	
W7623	10000		W7631	100000	

W7635—Extra Sliders—Each ..... 9c

## C. T. Resistors

Small, compact and covered by a coating of moisture-proof enamel. Accuracy 1%. Sizes: 10, 15, 20, 30, 50, 75, 100 and 200 ohms. Specify resistance desired.  
W7322—Your Cost Each **15¢**

## ELECTRAD Power Rheostats



Vitreous enameled body. Wire wound element. Special contact shoe. 2 1/4" diam. Single hole mounting. Accurately rated. With Knob.

25 Watts		50 Watts	
Stock No.	Res. Ohms	Stock No.	Res. Ohms
W7889	6	W7868	50
W7890	10	W7870	100
W7891	30	W7871	150
W7892	60	W7872	200
W7894	200	W7873	300
W7895	500	W7874	500
W7896	750		
Your Cost	\$2.35	Your Cost	\$2.64
		Any Size	

## ELECTRAD Variable Voltage Dividers



13,000 Ohms—50 Watts  
With 4 sliding taps.  
W7318—Your Cost ..... **76¢**  
25,000 Ohms—50 Watts  
With 4 sliding taps.  
W7319—Your Cost ..... **76¢**

25,000 Ohms—75 Watts  
Special Heavy Duty tapped voltage divider. Has 4 sliding contacts.  
W7320—Your Cost ..... **\$1.24**

41,000 Ohms—75 Watts  
Ideal for Public Address and Phonograph amplifiers. Has 6 sliding contacts for all necessary voltages. Shpg. wt. 8 oz.  
W7321—Your Cost **\$1.32**

# I R C

# Fixed and Variable RESISTORS

## Precision Wire Wound Resistors

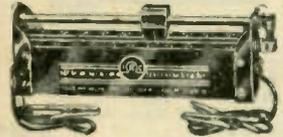


Precision wound resistors for use as meter multipliers and similar applications. Guaranteed accuracy 1%. WW-1 has ferrules with binding post terminals; resistor WW-4 has tinned solder lug terminals.

Type WW-1					
Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
WS150	1	68c	WS171	20000	94c
WS151	2		WS172	25000	
WS152	3		WS173	30000	
WS153	4		WS174	35000	
WS154	5				
WS155	6	68c	WS175	40000	94c
WS156	7		WS205	45000	
WS157	8		WS176	50000	
WS158	9		WS177	60000	
WS159	10		WS178	75000	
WS160	25	68c	WS189	80000	1.23
WS161	50		WS179	100000	
WS162	100		WS180	125000	
WS163	150		WS181	150000	
WS164	200		WS182	175000	
WS200	250	68c	WS183	200000	1.56
WS204	400		WS184	225000	
WS165	500		WS185	250000	
WS203	750		WS190	275000	
WS166	1000		WS186	300000	
WS143	1500	68c	WS191	350000	1.85
WS144	2000		WS187	400000	
WS167	2500		WS192	450000	
WS145	3000		WS188	500000	
WS168	5000		WS201	600000	
WS146	7000	73c	WS193	750000	2.15
WS147	7500		WS194	1 Meg.	
WS169	10000		WS195	1 1/2 Meg.	
WS170	12500		WS202	1 1/2 Meg.	
WS148	15000		WS202	1 1/2 Meg.	

Type WW-4					
Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
WS125	20	50c	WS134	20000	79c
WS126	30		WS135	25000	
WS124	50		WS136	30000	
WS127	100		WS137	35000	
WS128	250		WS138	40000	
WS129	500	59c	WS139	50000	94c
WS130	750		WS140	60000	
WS131	1000		WS141	75000	
WS132	12500		WS142	100000	
WS133	15000				

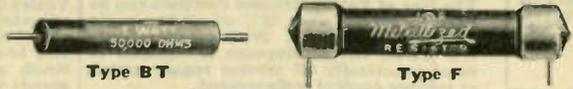
## IRC FUSED TYPE Resistor Indicator



Range covers from 100 to 100,000 ohms. Two scales: low scale from 100 to 10,000 ohms, high scale from 10,000 to 100,000 ohms. Windings protected by a Littelfuse. Comes complete with narrow-jaw alligator clip test leads. Size 7x1 1/2 x 2 3/4". Shpg. wt. 2 lbs.

WS295—List \$4.50  
Your Cost..... **\$2.64**

## TYPE BT INSULATED AND TYPE F METALLIZED RESISTORS



An all purpose line of high quality metallized resistors for all radio work. Type F is the famous metallized unit, featuring low noise level, molded contact joining resistance element and terminal in a solid casing of metal, non-inductive design, etc. Type BT resistors employ the metallized element sheathed in an overall coating of moisture-proof phenolic compound. Type BT resistors are stocked in all sizes shown; type F resistors are stocked only in the sizes marked with an asterisk.

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Meg-ohms
100*	450	2000*	7000*	15000*	50000*	200000*	1.0*
150	500*	2250*	7500	17500*	60000	250000*	1.5*
200	600	2500*	8000*	20000*	65000	300000*	2.0*
250*	750	3000*	9000*	22500	70000	400000*	3.0*
300	800	3500*	10000*	25000*	75000*	500000*	4.0*
350	1000*	4000*	11000	30000*	80000	600000	5.0*
400	1250	5000*	12000	35000	125000	750000	6.0*
	1500*	6000*	12500*	40000*	150000*	.....	10.0*

Specify Resistance Desired When Ordering

TYPE BT—INSULATED RESISTORS		
1/2-Watt—BT-1/2	1-Watt—BT-1	2-Watt—BT-2
5 1/2 x 3/4". All sizes.	1 1/2 x 1/2". All sizes.	1 3/4 x 1/2". 450 ohms up.
WS206— <b>10c</b>	WS207— <b>12c</b>	WS263— <b>18c</b>
Each.....	Each.....	Each.....

Kit of 10 type BT-1/2—10 popular 1/2-watt units in a handy container. **\$1.00**

WS264—Your Cost, Kit of 10

Kit of 10 type BT-1—10 popular 1-watt insulated units in a handy container. **\$1.18**

WS265—Your Cost, Kit of 10

TYPE F—METALLIZED RESISTORS		
1/2-Watt—F-1/2	1-Watt—F-1	2-Watt—F-2
100 ohms to 5 megs.	1 1/2 x 1 1/2". All sizes.	100 ohms to 5 megs.
WS250— <b>10c</b>	WS251— <b>12c</b>	WS252— <b>18c</b>
Each.....	Each.....	Each.....

Kit of 20 type F-1—20 popular 1-watt metallized resistors, 500 ohms to 3 megohms. In handy container. **\$2.36**

WS272—Your Cost, Kit of 20

### FREE! RESISTO-CHEST

Resisto-Chest has a multitude of uses. Servicemen can get it FREE with every purchase of 56 type BT-1 resistors (two each of the 28 most popular numbers). Chest has seven small and one large drawers. Size: 8 1/2" high, 4 3/4" wide and 5 1/2" deep. Color code chart included. Shpg. wt. 10 lbs.

WS208—Resisto-Chest with 56 selected B-1 (1-watt) resistor. List \$11.20  
Your Cost, Special..... **\$6.59**

WS209—Resisto-Chest only..... **90c**

Your Cost Each.....

## NEW! I.R.C. VOLUME CONTROLS

A new line of all-purpose volume controls built to the most exact standards. Features: Bakelite base for resistance element; multispring noiseless contact arm; recessed terminals; extremely hard element; easily attachable line switch, approved by Underwriters. Shafts 2 1/4" long with flat. Bushing 3/8" long, 3/8" diam. Metal dust covers. All correctly tapered, taper indicated in listing as follows: A—Uniform; B—Tone Control or Audio; C—Antenna Shunt or Audio; D—Antenna and "C" Bias; E—"C" Bias; F—Ant. and Grid Bias.

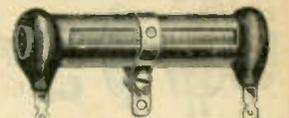
Stock No.	Ohms	Stock No.	Ohms	Stock No.	Ohms
WS9100	500A	WS9111	15000D	WS9122	100000C
WS9101	1000A	WS9112	15000F	WS9123	200000A
WS9102	2000A	WS9113	20000F	WS9124	200000D
WS9103	3000A	WS9114	25000D	WS9125	250000C
WS9104	4000A	WS9115	25000A	WS9126	500000A
WS9105	5000A	WS9116	25000F	WS9127	500000C
WS9106	5000C	WS9117	50000A	WS9128	500000C*
WS9107	10000F	WS9118	50000C	WS9129	1 Meg. C
WS9108	10000A	WS9119	75000C	WS9130	1 Meg. C*
WS9109	10000D	WS9120	75000D	WS9131	2 Meg. C
WS9110	10000C	WS9121	100000A	WS9132	3 Meg. C

\*Tapped for tone compensation

Any Volume Control, Your Cost **59c**

Switch Covers  
 WS9133—S.P.S.T. Each... 29c  
 WS9134—S.P.D.T. Each... 35c  
 WS9135—D.P.S.T. Each... 35c

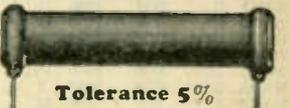
## New! 10-Watt Variable Resistors



The smallest variable resistor ever made. Ideal for receivers, amplifiers, etc. Cement coated, with bare section provided with a variable sliding contact. Size 1 3/4 x 1/4". Resistances from 1 to 10,000 ohms (see listing under power resistors shown below). Specify size desired.

WS262—Type "PBA"  
Your Cost Each..... **35c**

## Power Wire Wound Resistors



Machine wound on non-hygroscopic cores; overall covering of special cement. Molded end contacts.

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*

Type "AB"  
10-Watt Rating (Max.)  
1 1/2" long, 3/8" diam. Range up to 25,000 ohms (see list).  
WS210—Your Cost Each. **24c**

Type "DG"  
20-Watt Rating (Max.)  
2" long, 3/8" diam. Range up to 50,000 ohms (see list).

No.	From	To	Each
WS211	1	15,000	38c
WS212	20,000	50,000	44c

Type "EP"  
50-Watt Rating (Max.)  
4 1/2" long, 3/4" diam. Range up to 100,000 ohms (see list).

No.	From	To	Each
WS248	5	5,000	65c
WS249	6,000	25,000	73c
WS254	30,000	100,000	85c

Type "HA"  
100-Watt Rating (Max.)  
6 1/4" long, 1 1/8" diam. Range up to 100,000 ohms. Only in sizes marked with asterisk (see list).

No.	From	To	Each
WS260	100	5,000	50.88
WS261	7,500	25,000	1.03
WS234	50,000	ohms	1.18
WS235	75,000	ohms	1.32
WS236	100,000	ohms	1.47

## 1-Watt Insulated Wire Wound Units



Designed for use where an economical wire wound unit is desired. In low resistance values. Units are completely insulated. Tolerance 10% 1 1/2 x 1/4". Specify size desired.

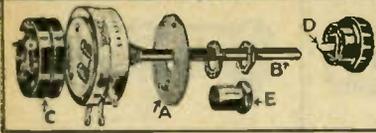
Ohms	Ohms	Ohms	Ohms
1	10	30	200
2	15	50	250
3	20	100	
5	25	150	

Type BW-1: 1-watt  
WS259—Each..... **12c**

# YAXLEY

APPROVED RADIO PRODUCTS

# UNIVERSAL VOLUME CONTROLS



## 161 CONTROLS SERVICE 4610 DIFFERENT RECEIVERS

The line of Yaxley Volume Controls can be used to service over 90% of all the radio receivers now in use. With comparatively few units, the serviceman is enabled to meet practically all service requirements of volume control replacement.

Yaxley Controls feature: (A) Minimum bias adjustment on all bias controls; (B) 3" aluminum shaft to shorten just notch and break off; (C) Approved switch; (D) Knob adapter; (E) Extension bushing-panels up to 1/2".

### UNIVERSAL 'STANDARD' CONTROLS

Furnished with 3" aluminum shaft (milled), standard bushing, cover-plate and, where necessary, adjustable bias plate.

Stock No.	Part No.	Type	Res. Ohms	Taper	Stock No.	Part No.	Type	Res. Ohms	Taper
W6660	Q	WW	2	1V	W6714	H12	Car.	15000	1
W6661	R	WW	6	1V	W6715	Y	Car.	20000	11
W6662	S	WW	10	1V	W6676	J	Car.	25000	11
W6663	T	WW	20	1V	W6677	K	Car.	50000	11
W6664	U	WW	30	1V	W6716	K12	Car.	50000	1
W6665	V	WW	60	1V	W6717	Z	Car.	75000	11
W6666	W	WW	100	1V	W6718	Z12	Car.	75000	1
W6667	X	WW	200	1V	W6678	L	Car.	100000	1
W6668	A	WW	500	1	W6679	M	Car.	250000	1
W6669	B	WW	1000	1	W6680	N	Car.	500000	1
W6670	C*	WW	2000	11	W6681	O	Car.	1 Meg.	1
W6704	C12*	WW	2000	1	W6682	P	Car.	2 Meg.	1
W6671	D*	WW	3000	11	W6719	UC-500	WW	1000	11
W6705	D7*	WW	3000	V11	W6720	UC-501	C.	10000	11
W6706	D12*	WW	3000	1	W6721	UC-502	C.	150000	1
W6672	E*	WW	5000	11	W6722	UC-503	C.	750000	1
W6707	E7*	WW	5000	V11	W6723	UC-504	C.	3 Meg.	1
W6708	E12	Car.	5000	1	W6724	UC-505	C.	4 Meg.	1
W6673	F*	WW	7500	11	W6725	UC-506	C.	5 Meg.	1
W6709	F7*	WW	7500	V11	W6726	UC-507	C.	5 Meg.	11
W6710	F12	Car.	7500	1	W6727	UC-508	C.	9 Meg.	1
W6674	G*	WW	10000	11	W6728	UC-509	C.	250000	11
W6711	G7*	WW	10000	V11	W6729	UC-510	C.	100000	11
W6712	G12	Car.	10000	1	W6730	UC-511†	C.	250000	1
W6675	H*	WW	15000	11	W6731	UC-512†	C.	500000	1
W6713	H7*	WW	15000	V11					

C. or Car.—Means Carbon element. WW—Means Wire Wound element. \*—Has adjustable bias features. †—Means control has slotted shaft for automobile receivers.

Your Cost Each, Any of the Above Controls ..... **59¢**

### UNIVERSAL "DUAL" CONTROLS

Consist of two volume controls strapped together and driven by a single shaft. Units listed service practically all receivers.

Stock No.	Mfrs. No.	Type	Res. in Ohms	Taper	Rear
W6684	CE	WW	2000	Front	5000
W6658	GE	WW	10000	Front	5000
W6685	GG	WW	10000	Front	10000
W6686	GK	Car.	10000	Front	50000
W6659	LL	Car.	100000	Front	100000
W6687	LM	Car.	100000	Front	250000
W6749	MM	Car.	250000	Front	250000
W6750	MN	Car.	250000	Front	500000
W6689	NN	Car.	500000	Front	500000

WW—Wire Wound element. Car.—Carbon element.

Your Cost Each, Any Size ..... **\$1.47**

### SPECIAL "DUAL" CONTROLS

Stock No.	Mfrs. No.	Type	Res. in Ohms	Name of Set and Models
W6683	DRP-114	WW	250	Philco 20, 20A, 70, 70A, 90, 90A (2-45's), 270, 270A, 220, 21.
W6751	DRP-117	WW	500	Eveready 50 series
W6752	DRP-119	WW	3000	Sterling F, 8T
W6753	DRP-122	WW	645	Majestic 50, 51, 52
W6614	DRP-169	WW	75000	Mohawk-Lyric 11D, 19D, 34D, 29D, 19H, 29H, 34H, Lyric H, D
W6619	DRP-221	Car.	10000	Zenith 50, 60, 70 series
W6756	DRP-222	Car.	75000	Majestic 100, 180
W6757	DRP-232	Car.	3 Meg.	Crosley 132-1, 136-1
W6758	DRP-239	Car.	25000	Kolster K63, K66, K73, K76, K83, K86, K93, K96, K103
W6759	DRP-240	Car.	250000	Earl & Freed Nr 55, NR56AC, 21AC, 22AC
W6760	DRP-241	Car.	5000	Wells Gardner 90, 91, 92, 93
W6698	DRP-115	WW	3800	RCA-Victor R32, RE45, R52, RE75
W6761	DRP-242	Car.	10000	Eveready 50 (3rd Type)
W6762	DRP-243	Car.	3000	Wells Gardner C, CG, 200, 291, 292, 295
W6763	DRP-244	Car.	25000	Kolster K42, 43, 44
W6541	DRP-245	Car.	1 Meg.	Stromberg-Carlson 48, 49, 50, 51
W6700	DRP-246	Car.	32000	Spartan 410, 420

WW—Wire Wound element. Car.—Carbon element.

Your Cost Each, Any Type ..... **\$1.47**

Special control for RCA-Victor model RC3, R14, R15, RE17, R42 and R48; G.E. model T41, Westinghouse model WR4. Yaxley Part No. DRP-116. **\$1.47**

W6694—Your Cost ..... **\$1.47**

### UNIVERSAL "LINEAR" CONTROLS

Similar to the above, but with "straight line" or linear taper.

Stock No.	Mfrs. No.	Type	Res. Ohms	Stock No.	Mfrs. No.	Type	Res. Ohms
W6732	A400P	WW	400	W6741	A20MP*	WW	20000
W6733	A500P	WW	550	W6742	Y25MP	Car.	25000
W6734	A1MP	WW	1000	W6743	Y50MP	Car.	50000
W6735	A2MP*	WW	2000	W6744	Y100MP	Car.	100000
W6736	A3MP*	WW	3000	W6745	Y200MP	Car.	200000
W6737	A5MP*	WW	5000	W6746	Y500MP	Car.	250000
W6738	Y5MP	Car.	5000	W6747	Y500MP	Car.	500000
W6739	A10MP*	WW	10000	W6748	Y1000MP	Car.	1 Meg.
W6740	Y10MP	Car.	10000				

WW—Wire Wound element. \*—Has adjustable bias feature.

Car.—Has Carbon element.

Your Cost Each, Any Type ..... **59¢**

### UNIVERSAL "TAPPED" CONTROLS

Service a great majority of the receivers using tapped controls. Units shown below are not limited to use in the sets listed.

Stock No.	Mfrs. No.	Res. Ohms	Tapped At	Description
W6542	TRP600	6000	2500	Wells Gardner 60, 63
W6543	TRP601	30000	6000	RCA-Victor RAE84, R78
W6544	TRP602	63000	3000	Wells Gardner 5E; Montgomery-Ward 62-120, 62-122, 62-126, 62-128, 77, 95, 730, 735
W6545	TRP603	250000	C.T.	RCA-Victor 320, 321, 322, 327, 340, 341-E, RE-80, 81, CRD-9
W6546	TRP604	350000	25000	Philco 17, 19
W6547	TRP605	350000	75000	Philco 10, 14, 18, 28, 29, 45, 49, 91, 118, 144, 503, 507, G10
W6577	TRP606	500000	100000	Zenith 410, 411, 420, 430, 440, 476, 476A, 770, 775, 780. At-water-Kent 112, 511. Stewart-Warner 126 chassis, 1261-1269.
W6578	TRP607	500000	C.T.	RCA-Victor R37, R37P, R38, R38P, 120, 121, 122, 124, 223
W6579	TRP608	1 Meg.	200000	RCA-Victor R71-B. Philco 620, 630
W6580	TRP609	1 Meg.	C.T.	Belmont 640
W6581	TRP610	1 Meg.	200000	Grunow 650, 651, 660, 661, 750, 751, 752, 753, 801, 901, 902
W6582	TRP611	1 Meg.	170000	Philco 16 (121)
W6583	TRP612	2 Meg.	25000	RCA-Victor R51B

Your Cost Each, Any Type ..... **88¢**

### EXPLANATION OF YAXLEY VOLUME CONTROL TAPERS

- No. I. For audio or antenna shunt circuits.
- No. II. For series circuits such as cathode voltage controls.
- No. III. For antenna shunt and "C" bias circuits.
- No. IV. Linear taper; for voltage divider circuits.
- No. V. Wire wound element. For antenna and "C" bias.

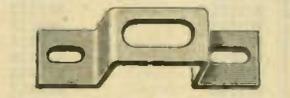
## VOLUME CONTROL ACCESSORIES

### YAXLEY VOLUME CONTROL SWITCHES

Stock No.	Part No.	Type	Your Cost
W6288*	6	S.P.S.T.	29¢
W6564	9	S.P.S.T.	35¢
W12853	8	S.P.D.T.	35¢
W6289	7	D.P.S.T.	35¢

\* Special shallow type, for use where space is limited.

### MOUNTING BRACKETS



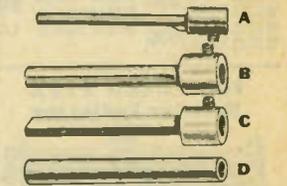
For use where control mounts off the chassis. Plated metal. Adjustable mounting centers.

W6297—Type RB-248. Mounting centers 1 1/2" to 2 3/8".

W6298—Type RB-249. Mounting centers 2 3/8" to 2 3/8".

Your Cost Each, Either Type ..... **12¢**

### EXTENSION SHAFTS



Type A—Length 4".

W6561—1/4" diam., 1/8" flat.

W6562—1/4" diam., 3/8" flat.

W6563—1/4" diam., 1/4" flat.

Any Size, Your Cost Each ..... **18¢**

Type B—2" long, 1/4" diameter with 1/8" slot. Enclosed in tight fitting tube (D).

W6559—Your Cost ..... **21¢**

Type C—2" long, 3/4" wide, 1/4" thick. Tongue shaped and fitted with tube (D). For use in auto receivers.

W6560—Your Cost ..... **21¢**

# YAXLEY VOLUME CONTROLS

APPROVED RADIO PRODUCTS

Manufacturer and Models	Stock No.	Your Cost
<b>ATWATER KENT</b>		
37, 38, 40, 40F, 41DC, 42, 42F, 43, 44, 45, 46, 47, 52, 53, 56, 57 (Strip Only).....	W6656	\$0.29
55, 55C, 55F, 60, 60C, 61, 61C, 66 (Strip Only).....	W6657	.29
55, 55C, 55F, 60, 60C, 66 (Late Dual Control).....	W6658	1.47
67, 67C, 228Q.....	W6678	.59
70, 72, 74, 75, 76 (Chassis D1, D2, F, L1, L2, P Requires W6297 Mtg. Bracket).....	W6684	1.47
72 (H1, H2 Chassis).....	W6687	1.47
80, 80F, 83, 83F, 90, 90F.....	W6672	.59
82, 82F, 86, 86F.....	W6733	.59
82Q, (1st), 84, 84D, 84F (Early), 84Q, 89, 89F, 89P.....	W6680	.59
84, 84F (Late).....	W6754	.88
87, 94, 94F.....	W6754	.88
87D.....	W6684	1.47
92, 92F, 96, 96F, 99, 99F.....		
99P, 145, 155, 165, 185, 185A, 188, 188F, 165Q.....	W6680	.59
206, 217, 228, 275, 310, 315, 818, 325, 376.....	W6680	.59
246, 260, 260F, 266, 387, 424, 427, 427D, 448, 469.....	W6680	.59
510, 525, 534, 555, 558, 559, 511.....	W6577	.88
612, 627, 636, 667, 708, 711, 756, 788, 808, 812, 825.....	W6680	.59
854, 944.....	W6715	.59
469, 469F (1st), 480 (Tone-beam).....	W6764	.88
135Z, 215Z, 237Q, 285Q, 286, 305Z, 317, 328 (Early), 337, 415Q, 435 (Early), 437Q, 475, 545, 565Z, 649 (Early), 735, 768Q, 856, 976, 978Q.....	W6680	.59
511, 810.....	W6577	.88
<b>BELMONT RADIO</b>		
401, 444.....	W6720	.59
541, 544, 545, 755.....	W6580	.88
580, 585 A, B, C, 670A.....	W6680	.59
578, 777 A, B.....	W6681	.59
<b>BOSCH</b>		
28, 29.....	W6641	.88
48, 49 (Type 1).....	W6686	1.47
48, 49 (Type 2).....	W6658	1.47
58, 62DC.....	W6671	.59
<b>CROSLY RADIO CORP.</b>		
DeLux Piver.....	W6680	.59
58X, 124, 125, 133, 135, 141, 147, 148, 155.....	W6707	.59
50-5H1, 50B-5H1, 61-6H2, 61-LB, 6H2.....	W6723	.59
95 (Rosamio), 96 (Auto).....	W6723	.59
51S, 60, 75.....	W6662	.59
99 (Tone), 127-1 (Tone), 129, 129-1 (Tone), 132-1 (Tone).....	W6718	.59
120.....	W6711	.59
129.....	W6709	.59
159, 163, 166, 167, 172, 169 (Revised), 174, 176.....	W6707	.59
136-1, 146, 157, 158, 160, 164, 168, 170, 171, 179, 180, 181, 182, 1014 (ALL Tone Controls).....	W6718	.59
146-1, 150 (Tone), 157, 158, 160, 164, 168, 175, 179, 180, 173, 173-5.....	W6723	.59
41, 41A, 42, 608AC, 609, 704, 704A, 704B, 705, 706.....	W6693	.88
129-1, 131, 137, 169, 154.....	W6768	.88
121A, 123, 126, 126-1.....	W6769	.88
132-1, 136-1.....	W6757	1.47
27, 58, 53, 54, 55, 56, 57, 58, 59AC, 77-1.....	W6585	.88
5V2, 8B3, 6H3, 614, 534, 635, 714, 715, 725, 855.....	W6681	.59
431.....	W6748	.59
<b>EMERSON RADIO</b>		
32, 38, 42, 49, 103 (F5), 106, 107, 111, 108, 110.....	W6680	.59
19 (UV4).....	W6715	.59
84C, 101, C6, D6.....	W6679	.59
36 (B5).....	W6708	.59
39, 59 (D-S5).....	W6750	1.47
40, 71, 77, 375, 375LW, 770.....	W6681	.59
<b>FADA RADIO &amp; ELECTRIC CORP.</b>		
10, 10Z, 11, 11Z, 16, 16Z, 30, 30Z, 32, 32Z (Early), 50, 50Z, 70, 70Z, 71, 72.....	W6770	.88
15M, 15MZ, 116, 16Z (Late).....		
17, 18, 32, 32Z (Late) 20, 20Z, 25, 25Z, 75, 77.....	W6771	.88
45 (KU).....	W6673	.59
48, 49 (KW).....	W6680	.59
41, 42, 44, 46, 47.....	W6681	.59
73, 75 (RE), 74, 76 (RA).....	W6681	.59
761, 762, 764, 766, 767.....	W6752	1.47

PRICES DO NOT INCLUDE SWITCH  
Switches listed on page 112

Manufacturer and Models	Stock No.	Your Cost
<b>GENERAL HOUSEHOLD UTILITIES</b>		
470 (4C).....	W6709	\$0.59
501, 520, 530, 550 (5B).....	W6680	.59
1151, 1152 (11A, 11B) Tone.....	W6680	.59
570, 571 (5D), 821 (8B), 1151, 1152 (11A, 11B).....	W6681	.59
<b>GRIGSBY-GRUNOW (MAJESTIC)</b>		
55, 59, 66, 75, 77, 85, 86 (800), 95 (520), 105 (520), 195 (500), 211, 214, 215, (210).....	W6679	.59
90, 91, 92, 93 (90, 90B).....	W6717	.59
90, 91, 92, 93 Equalizer.....	W6697	.88
71, 72 (70, 70B).....	W6712	.59
151, 153, 154, 155, 156 (15, 15B, 150).....	W6713	.59
211, 214, 215 (210), 221, 223, (220) 303, 304, 307 (300, 300A), 311, 314, 315.....	W6679	.59
61, 62 (60).....	W6696	.88
121, 123 (120, 120B).....	W6685	1.47
201, 203, 204 (200).....	W6680	.59
251, 253, 254 (25).....	W6673	.59
251B, 253B, 254B (25-B).....	W6710	.59
320, 330, 340, 360, 390, 460, 490, 500, 570, 600, 998.....	W6679	.59
381 (Treasure Chest).....	W6716	.59
411, 411A, 413, 413A.....	W6715	.59
40, 49, 194 (Ch. 440).....	W6709	.59
<b>NOBLITT-SPARKS (ARVIN)</b>		
7, 17, 27, 37.....	W6731	.59
51, 61, 62, 61M, 62M, 81M.....	W6680	.59
61M, 62M Tone.....	W6678	.59
41.....	W6712	.59
<b>PHILCO</b>		
10.....		
10 (122), 14, 18, 28, 29, 45, 45C, 46, 91 (226), 118, 144, 503, 507.....	W6547	.88
16, 17, 19 (128).....	W6546	.88
16 (121), 17 (Run 4).....	W6583	.88
19, 30, 44, 60, 66, 89, 95, 96, 96A, 504, 505, 610, 700, 800, 1200 (Series), 1289AC.....	W6680	.59
20, 20A, 41DC, 42DC, 70, 70A, 77, 77A, 220, 220A, 270, 270A, 470, 470A.....	W6683	1.47
70, 70A (2nd type), 71.....	W6681	.59
35, 35B, 37.....	W6684	1.47
38, 53, 57, 59, 80, 81, 84.....	W6715	.59
50, 50A, 65.....	W6735	.59
51, 51A, 52.....	W6706	.59
90, 90A (1-47).....	W6680	.59
90, 90A (2-45*).....	W6683	1.47
90, 90A (2-47*).....	W6681	.59
91 (121, 122).....	W6681	.59
111, 111A, 112, 112A (2-45*), 211, 211A, 212, 212A.....	W6680	.59
296, 296A, 490.....	W6680	.59
39, 39A, 97.....	W6679	.59
116B (121), 116X (122), 643, 650, 660, 665.....	W6586	.88
610, 611, 623.....	W6680	.59
<b>RCA VICTOR CO.</b>		
R4, R6R, R7AC, R7DC, R7LW, R7A, R9AC, R9-DC, RE16A, R22.....	W6621	.88
R8AC, R10AC, R11AC, R12-AC, RE19AC, R20, R21, R023.....	W6636	.88
R14, R15, RE17, 42, 48.....	W6694	1.47
17M, 18W.....	W6745	.59
Radlola 17.....	W6630	.88
60, 62.....	W6623	.88
66.....	W6624	.88
64, 67, 9-18, 9-54.....	W6626	.88
44, 46AC, 47.....	W6627	.88
18, 18DC, 33AC, 41AC, 41DC.....	W6629	.88
M34.....	W6798	.88
C11-1, D11-2 (treble), T10-1, T10-3 Tone.....	W6680	.59

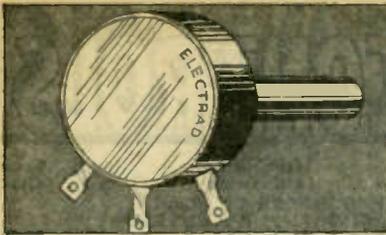
Manufacturer and Models	Stock No.	Your Cost
<b>RCA VICTOR CO. (Cont.)</b>		
RE20, 21, 22, R43, R50, R55, RAE59, RAE79.....	W6716	\$0.59
R27, 102.....	W6728	.59
R28, R28P, R28-BW, R28-BWC.....	W6736	.59
M82, A-73A, R75 (2A5).....	W6682	.59
R32, RE45, R52, RE75.....	W6698	1.47
R35, RE39, RE57.....	W6773	1.47
R37, R37P, R38, R38P, 120, 124, 223, 330, 331.....	W6578	.88
RE40, RE40-P.....	W6736	.59
R70.....	W6673	.59
R71, R72.....	W6747	.59
74, 76, 77, RE81, 300.....	W6677	.59
R75 (47 Output), RE80.....	W6739	.59
R78, RAE84.....	W6543	.88
80.....	W6737	.59
82, 86.....	W6737	.59
100, 101, 301, 310.....	W6672	.59
110, 111, 115, 210.....	W6671	.59
118, 121, 122, 127, 128, 140, 141, 141E, 143, 211, 221, 224, 240, 262 (requires ex. Shaft No. YF6562).....	W6545	.88
320, 321, 322, 327, 340, 340E, 341.....	W6580	.88
R7, R9, RE20, R50, R55, RAE59, R70, RAE79 (Tone).....	W6680	.59
R11, R12, RE16A, RE18, RE18A (Tone).....	W6745	.59
BC6-3, BC6-4, BC6-10, BC7-8, BC7-9, 236B.....	W6679	.59
T4-8, T4-9, 103.....	W6672	.59
M101, M104, M108, M109.....	W6679	.59
<b>SPARTON</b>		
69, 79, 89, 89A, 99, 101, 109, 110, 301DC, 589, 591, 593, 931.....	W6699	.88
103, 111A, 235, 564, 570, 574, 578, 600, 610, 620, 737, 740, 750, 870.....	W6774	.88
410, 420AC, 410, 420DC.....	W6700	1.47
616, 616X, 666, 666X.....	W6681	.59
656, 716, 716X, 766, 766X, 766XP, 766XS.....	W6679	.59
<b>STEWART WARNER</b>		
R100A, B, F, 950 Series.....	W6701	.88
R101A, B.....	W6707	.59
R102A, B, E.....	W6711	.59
R104A, B, E.....	W6680	.59
R-125, R127, R128-D, R130, R131.....	W6680	.59
R123 (1231-1239).....	W6709	.59
<b>STROMBERG CARLSON</b>		
12, 14, 27A.....	W6648	.88
22, 22A.....	W6650	.88
10, 11, 16DC, 17DC, 25, 26.....	W6796	.88
638 (Rear Control).....	W6797	.88
641, 642, 652, 654, 846, 848, (Rear Control).....	W6651	.88
641, 642, 652, 654 (Front).....	W6653	.88
635, 636 (Rear Control).....	W6652	.88
635, 636, 638 (Front).....	W6654	.88
846, 848 (Front Control).....	W6655	.88
29 (Vol. and Tone).....	W6680	.59
37.....	W6749	1.47
38, 39, 40, 41.....	W6749	1.47
37, 38, 39, 40, 41 (Tone).....	W6722	.59
48, 49, 50, 51.....	W6541	1.47
60, 64.....	W6682	.59
68.....	W6674	.59
64, 68 (Tone).....	W6679	.59
58, 58LB, 58T, 58TB, 58W, 58WB.....	W6681	.59
62, 62B, 68, 63B.....	W6682	.59
74, 74B, 74D Tone.....	W6674	.59
<b>ZENITH</b>		
50, 60, 70 Series (Dual).....	W6619	1.47
50, 60, 70 Series (Single).....	W6584	.88
91, 92 (Type 1).....	W6737	.59
230, 240, 245.....	W6680	.59
410, 411, 420, 430, 440.....	W6577	.88
460, 462, 474, 475, 476B, 500, 501, 503, 514, 515, 516, 600, 604, 606, 610, 616, 618.....	W6680	.59
701, 702, 715, 755, 756, 760, 765, 767, 770B, 775B.....	W6680	.59
10, 11, 12, 15, 16, 52, 53, 54, 60, 61, 62, 64, 67, 41, 42, 80, 102, 112, 122, 422, 563DC.....	W6584	.88
811, 862, 865, 866, S-829, 870, S-870, S-871, 908, 909, 960, 961, S-908, S-909, S-961, 945, 950, 1117, 1162, 1167, 1170, 4V31, 4V59, 6V27, 6V62.....	W6679	.59
220, 250, 260, 272.....	W6674	.59
4P26, 4T26, 4P51, 4T51.....	W6671	.59

**NOTE**

The listing on this page, when used in conjunction with the listings of Yaxley Universal Controls on page 112, permit the serviceman to service any radio receiver in use today.  
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# ELECTRAD

Manufacturer and Models	Stock No.	Your Cost
<b>All American Mohawk</b>		
S-6, S-7, S-8	W7924	50.59
11-D, 19-D, 19-H, 29-D, 29-H, 3-D	W8075	1.47
39, 40, 41, 711, 722	W7921	.59
S-40, U-55, S-63, S-30	W7902	.59
SW-3, S-10, SA-65, SW-80, SA-90, SA-91, SA-110, SA-130, Lyric K	W7904	.59
70, 73, 75	W8146	.88
<b>Amrad</b>		
AC-6, AC-6C, 84, 84-C, 84-D	W7904	.59
AC-7, AC-7C, 70, 7100, Concerto, Nocturne, Opera Sonata	W7902	.59
B-1, Bel-Canto, Aria, Duet, Minuet, Serenata, Symphony	W7906	.59
<b>Atwater-Kent</b>		
37, 38, 40, 40-F, 41, 42, 42-F, 43, 44, 46, 47, 51, 52, 53 (strip only)	W7992	.29
83, 424, 594, 816, 936	W7904	.59
84 Early, 84-D Early, 84-F Early, 84-Q, 85 Early	W7926	1.18
145, 206, 325	W7950	1.18
99-P, 155 (all types), 228-D, 228-F, 236, 266, 448, 460 (all types), 467, 555 (both types), 588, 666, 926	W8148	.88
165-Q, 387, 427-Q	W7954	1.18
246, 275, 310, 310-J, 310-T, 425, 427, 427-D, 510, 665, 667, 667-D, 708, 711-J, 711-R, 711-T, 788, 808, 808-A	W8029	1.18
55 Early, 55-C Early, 55-F Early, 56 Early, 57 Early, 60, 60-C, 61, 61-C, 66 (strip only)	W7993	.29
67 Batt., 67-C, 85-Q all types	W8069	.88
55-C Late, 55-F Late, 55-FC Late, 56 Late, 57 Late	W8076	1.47
80, 80-F, 83, 83-F, 90, 90-F	W8023	1.18
82, 82-F, 85, 85-F	W8026	1.18
H-1, H-2	W8149	1.47
D, F, L1, L2, P	W8092	1.47
<b>Belmont</b>		
40 Series, 40A, 40AC Series, Series 50, 50A, Series 70, 425, 430	W7903	.59
47, 48, 50B, Series 60	W7912	.59
Series 70A, 71C	W7907	.59
525 AC-DC	W7904	.59
<b>Bosch</b>		
4, 7, 7A, 7-C, 20, 20-L, 31, 32, 36, 37, 73, 74, 133, 135, 305-A, 236, 297	W8039	1.18
10, 46-A, C, 68, 60, 62-DC, 63, 96, 96-DC, 107, 116, 126, 136, 146, 166, 176, 242-E, 243, 250, 312, 313	W7904	.59
58, 62-AC, 62-DC	W8037	.88
28, 29	W7995	.28
48-AC, 49, 54-DC	W8052	1.47
<b>Brener Tully</b>		
6, 8-AC, 8-16, 8-17, 8-12, 813	W7904	.59
6-40, 6-41, 640, 641	W7922	.59
7-70, 7-71, 8-20, 8-21, 8-22	W7902	.59
36, 85	W8152	.88
S-81, S-82	W8153	.88
<b>Brunswick</b>		
4-A, 4-PA, D-11, D-12, above Serial No. 25000, 17, D-18, D-33, above Serial No. 25000, 24, 25, D	W7904	.59
B-17, PR-17-8	W7936	.88
21, 31	W8080	1.18
81, 821	W7903	.59
DC-21, DC-31	W8154	.88
S-21, S-31, S-81, S-82, 90	W7997	1.18
<b>Colonial</b>		
25, 61, 600, 600-A, 601, 602, 603, 604, 650, 651, 652, 655, 656, 657, 658	W7904	.59
44, 50, 76, T-345, C-349	W7902	.59
T-397, C-399, C-495	W7978	.59
32-AC, 32-DC	W8155	1.47
36 Hum Control	W8155	.88
46, 52	W8091	.59
47, 48, 62, 73	W7912	.59
250-AC-DC, AC-SW250, AC-DC300, AC-SW300, 601, 501-AC, AC-700, AC-701, AC-702	W8148	.88
<b>Crosley</b>		
22, 23	W8083	.59

Manufacturer and Models	Stock No.	Your Cost
<b>Crosley [Cont.]</b>		
27, 30, 30-S, 31-S, 32, 33-S, 34-S, 40-S Late, 41-S Late, 42-S Late, 45-S Late, 82-S, 315	W7966	50.88
40-S Early, 41-S Early, 42-S Early, 45-S Early 71-A	W7967	.88
41A, 42 Early, 61, 602, 608 Female Shaft, 609 Female Shaft, 610 Gem Box Female Shaft, 704, 705, 706	W7968	.88
53, 54, 55-DC, 56-DC, 57, 58	W7956	.88
60-S, 61-S, 62-S, 63-S, 65-S, 162-1	W8158	.59
77, 77-A, 77-B, 77-L, 84, 84-O, 840	W7908	.59
95-Auto, 96 Auto	W8159	1.18
98, 99 Auto	W8160	.88
134, 134-1, 146, 146-1, 150, 157, 158, 160, 168-D, 170, 171	W7850	.88
172, 174, 176	W7852	.88
Johnny Smoker	W7909	.59
169	W7854	.88
706 Early, Long Shaft, Auto Roamio, B Series	W7928	.59
5V1, DeLux Fiver	W8088	1.18
7H2, 7H3	W8089	.88
8B3	W8090	.88
<b>Detroit</b>		
4-D, Hamilton, Renfrew, Windsor, York	W7856	1.18
Roadmaster	W7904	.59
<b>De Wald</b>		
40, 51, AC-145, AC-171-2, AC-245, DC-273, AC-524, DC-632, DC727, BAC, BAG, BAH, Dynette	W7912	.59
53, 533A, DC-637-8, KAD, KAF, KRE	W7902	.59
DC-532-3, 534-5, AC-535-6, 538, AC-547, AC-547-A, AC-646-7, 735, AC-746-M	W7911	.59
724	W8091	.59
732 D.C., 845	W8083	.59
AC734-5	W7903	.59
<b>Edison Radio</b>		
C-1, M-6 Front Unit, E-175, SC	W7964	.88
R-1, C-2, R-2 Rear Unit, R-3, SRC-3 Rear Unit, M-5, M-6 Rear Unit	W7857	.88
C-2 Front Unit, R-2 Front Unit, SRC-3 Front Unit, M-5 Front Unit	W7999	.88
R-4, R-5, Abbey Jr.	W7858	.88
<b>Emerson</b>		
H-5, 26-AW, 26-LW, 30, 30-AW, 30-LW, 33, 33-AW, 33-LW, 250, 250-AW, 250-LW, 300, 321, 321-AW, 321-LW, 350, 350-AW, 350-LW, 409, 410, 411, 415, 416, 420, Mickey Mouse	W7860	1.18
DC-4, L-DC-4, AW-55, KS, L-AC-A	W7854	.88
L-AC-4, L-AC-5, JS, T, TS	W7888	1.18
50-L, 50-M, S-50, L-755, M-755, S-755	W7852	.88
<b>Erla</b>		
R-2, R-3, 61, 62, 63, 250	W7902	.59
81, 82 Volume	W7903	.59
37, 38, 39, 230	W7908	.59
30 Tone, 81-P Tone, 82-P Tone, 248-K Tone	W7914	.59
78, 79, RC	W8160	.88
106, 107, RN	W7861	.88
<b>Eveready</b>		
1, 2, 3	W7995	.88
Series 30, 40	W7923	.59
31	W7903	.59
Series 50 Early	W7990	1.47
Series 50 Late	W7955	1.47
<b>Fada</b>		
7-AC, 10, 10-Z, 11, 11-Z, 30, 30-Z, 31, 31-Z, 45-72, 50, 70, 71, 72, 475-UA, 475-CA	W7953	.88
15-M, 15-MZ, 20, 20-Z, 25, 25-Z, 75, 77	W7927	.88
16, 16-Z, 17, 18-DC, 32-Z	W7958	.88
41, 42, 44, 46, 47	W7907	.59

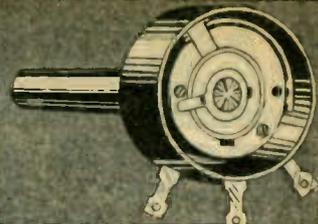
### NOTE

All volume controls listed above are furnished complete with a c. switch wherever original manufacturer's control calls for one. Any control not listed can be supplied immediately on order.

Manufacturer and Models	Stock No.	Your Cost
<b>Fada [Cont.]</b>		
45, 45-KU, 51, 53, 57, KX-61, 66, 66-KX, 171, 173, 173-KOC	W7924	50.59
48-KW, 49-KW	W8083	.59
55, 58, KC, KO, RG	W7854	.88
73, 74, 76, 79, 83, 85, 88, 89, RA, RC, RE	W7861	.88
<b>Freed Eisemann</b>		
NR-57, NR-60, NR-70	W7902	.59
NR-78, NR-79	W7908	.59
NR-80 AC & DC, NR-85 AC & DC (strip)	W8098	.29
<b>General Electric</b>		
GET-12	W7902	.59
T-12	W7933	.88
S-22, S-22-X, H-31, H-51 Volume, H-71 Volume	W7943	.88
S-42	W7944	.88
M-51, M-56	W7869	1.18
K-62, J-80, K-82, J-85, S-132	W7934	.88
J-82	W8073	.88
H-91, H-91-R	W7913	.59
<b>General Motors</b>		
120, 130, 140, 150, 160	W8021	1.47
S-1A, S-1B, 216, 217, 219, 250 Volume Control for S-2A, S-2B, S-3A, S-3B, 252, 253, 254, 255, 256, 257, 258	W8058	1.18
<b>Graybar</b>		
8	W7944	.88
311	W7937	.88
600	W7942	.88
700, 770, 900	W7943	.88
Tone Control for 770, 900	W7906	.59
<b>Grunow Radio [Gen. Household]</b>		
Chassis 8-A, 500, 801	W7847	1.18
Chassis 11-A, 1151, 1152	W7861	.88
Chassis 6-G, 501, 580	W7846	.88
Chassis 6-C, 660, 661, 662	W8232	1.18
7-B, 7-D, 750, 751, 752, 753	W8233	1.18
Chassis 9-A, 901, 902	W7838	.88
450 (4-A)	W8234	1.18
11-A Chassis Tone	W7908	.59
<b>Kolster-Columbia</b>		
K-20, 21, 22, 23, 24, 25, 27, 28, 30, 32, 37, K-42	W7902	.59
K-70, 72, 80, 82, 90, 92	W7902	.59
K-110, 112, 120, 122, 130, 132	W8074	1.18
K-43, K-44	W8108	1.47
K-45	W7921	.59
<b>Majestic</b>		
70 and 70B	W8015	.59
90, 90-B, 91, 92	W8016	.88
20, 21, 22, 23	W7971	1.18
25-B	W8047	1.18
15, 15-B, 150	W8002	1.18
60, 61, 62	W8003	.88
130, 130-A, 131, 132	W8004	.88
25 Chassis	W8006	1.18
30 Chassis	W8018	1.76
100 Chassis	W8051	1.47
50, 51, 52	W8020	1.47
15 Chassis: Tone Control	W8111	.88
180, 181: Phono Control	W7913	.59
110 Auto	W8000	.88
116, 116A Auto	W8001	.88
<b>Montgomery-Ward [Airliner]</b>		
13, 15, 16, 16X, 17 (1933), 18, 18X, 20W, 26P, 26PX, 49, 62-055, 62-70, 62-232, 62-520	W7912	.59
11-12 (Early), WG24, 60-020 (1st), 62-29 (1st)	W8091	.59
11-12 (Late), 62-11 (2nd), 62-14 (2nd), 62-19 (2nd), 62-21, 62-22, 62-27(2nd), 62-29(2nd), 62-30, 62-138, 1932 Auto	W7904	.59
1522, 1562, 1611, 1711, 1922, 3035, 3037, 3063, 3065, 3067, 11000 (Challenger)	W7912	.59
62-20, 62-20X, 62-25, 62-26, 2822 Balboa, 2827, 2895 De Soto, 2897, 1000 Serenader	W7916	.59
62-11 (1st), 62-12 (1st), 62-14 (1st), 62-19 (1st), 62-27 (1st), Grenadier	W7911	.59
62-38, 62-40, 62-040 (2nd), 62-PC-64, 62-50, 62-91, 62-93, 1238 Recital, 1355 Minstrel, 1955	W7907	.59
Commodore (1st and 2nd), Sovereign (1st and 2nd)	W7910	.59
<b>Motorola</b>		
5 Motorola, 5T71, 6T12	W7903	.59
86, 44, 77	W8235	1.18
810	W8236	1.18
<b>Philo</b>		
5, 82, 86, 87, 511, 521, 531	W7962	.88



# Volume Controls



Manufacturer and Models	Stock No.	Your Cost
<b>Philco (Cont.)</b>		
541, 551, 561, 571, 581	W7962	\$0.88
96, 96A, 30, 111, 111A, 112, 112A, 112E, 211, 211A, 212, 212A, 212E	W8070	.88
71H, 71L, 71B	W7969	.88
70, 70A, 90, 90A	W8049	1.47
70, 70A: Serial Numbers above B-22000	W7970	.88
76, 73	W7842	.88
95	W8071	.88
20, 20A, 21, 220	W7980	1.47
51, 51A, 52	W8205	.88
16, 17 Early	W8201	1.18
17 Late	W8202	1.18
118	W8203	1.18
124	W8204	.88
24	W8205	.88
25	W8206	1.18
26	W8207	1.18
610	W8208	1.18
611	W8209	1.18
620	W8210	1.18

Manufacturer and Models	Stock No.	Your Cost
<b>RCA-Victor</b>		
Radiola 16	W7935	.88
Radiola 17, 50, 41, 7-25, 7-54	W7936	.88
Radiola 18, 33, 51, 7-11, 7-26	W7937	.88
Radiola 44, 46, 47	W7938	.88
Radiola 60, 62	W7939	.88
Radiola 66	W7942	.88
80, 82, 86	W7943	.88
Superette R-7, 7A, 70C	W7944	.88
R-8, R-10, R-11, RE-18, R-21, RAE-26	W7934	.88
42, 48, 92	W8054	2.06
35, 39	W7943	.88
R-32, RE-45, R-52, RE-75	W7979	1.47
100, 101	W8211	1.18
110, 111, 115	W8212	1.18
118, 201	W7869	1.18
120, 331	W8138	.88
121, 122, 221	W8213	.88
140, 141, 141E, 240	W8214	.88
210, 310	W8215	1.18
220, 222	W8216	.88
260, 261, 280	W8140	1.18

Manufacturer and Models	Stock No.	Your Cost
<b>Sears-Roebuck (Silvertone)</b>		
49-50, 56, 100, 108 (Early), 7048	W7912	.59
53, 54, 95, 99, 111	W8225	.59
109 (Early), 501, 502, 1326, 1386, 1390, 1400, 1402, 1404, 1406, 1408, 1450, 1531, (add 150 ohm grid resistor), 1630, 1660, 1724, 1800, 7055, 7060, 7106, 7108, 7111-X, 7112, 7114, 7121, 7168, K	W7902	.59
264, 1452, 1560, 1562, 1590A, 1625, 1715, 1726, 1731, 1733, 1760 (Types 1 and 2), 1801, (Types 1 and 2), 1801, 1801A, 1802, 1802A, 1803, 1803A, 1805A, 1806, 1807, 1808, 1808A, 1809, 1811, 1823, 1826A, 1827, 1828, 1829, 1833, 1835, 1841	W7904	.59
1842, 1845, 1854, 1855, 1858	W7904	.59

Manufacturer and Models	Stock No.	Your Cost
<b>Sears-Roebuck (Cont.)</b>		
1859, 1859X, 1860, 1860X, 1863, 1865, 1869X, 1871, 1900, 1903, 1903X, 1907, 1909, 1910, 1912	W7904	\$0.59
1924, 1925, 1927X, 1930, 1934, 1935, 1937X, 1939, 1940, 1942, 1944, 1949, 1953, 1953X, 1954X, 1956, 1956X, 1957, 1970, 1970A	W7904	.59
1972, 1985, 1992X, 1993X, 1994, 1995, 7116, 7118, 7124, 7127, 7133, 7136, 7137, 7138, 7139, 7140, 7141, 7142, 7143, 7144	W7504	.59
7145, 7146, 7148, 7150, 7154, 7155, 7156, 7157, 7158, 7163, 7167, 7172	W7904	.59
1650, 7043, 7044, 7045, 7047, 7053, 7066, 1652, 1654, 1670, 1822, 1824, 1830, 1831	W7907	.59
7090A, 1850, 1850A, 1851, 1852, 1853, 1862, 1868, 1868A, 1870, 1922, 1932, 1982, 1992	W8128	.59
7110, 7126, 7130, 7135, 7152, 7165, 7165X, 7166, 7166X		
7173, 7176, 7183	W8227	.59
FF, J	W8224	.59
1936A	W7920	.59
<b>Silver Marshall</b>		
R5, R7, 683, 716, 773, G, J	W7913	.59
30, 30B, 714, 770	W8091	.59
34A, 35A, 36A, 724AC	W7910	.59
37, 38, 39, 60B, 75B, 90B, 712, 722AC, 782, B	W7924	.59

## FREE! NEW 1937 VOLUME CONTROL GUIDE AND "CONTACT" MAGAZINE



All accredited dealers and servicemen are eligible to receive, FREE of charge, the following:



(1) The new Electrad Volume Control Guide, containing over 100 pages of valuable data. Enables the serviceman to make quick, accurate and satisfactory volume control replacements.

(2) The Electrad "Contact" ... a real serviceman's magazine, written and directed by technical men. It will be issued every 60 days, and each issue will keep servicemen posted on new developments in the servicing field.

To get the above, just send two empty Electrad volume control cartons to Electrad Inc., 175 Varick St., N. Y., with your business card or letterhead. The Guide and "Contact" will be mailed immediately.

Manufacturer and Models	Stock No.	Your Cost
<b>Silver Marshall (Cont.)</b>		
728, Q Super, R Super, All-Wave	W7908	\$0.59
D, E, F	W7911	.59
620, 630, 635, 644	W7905	.59
Q (Tone), All-Wave (Tone)	W7914	.59

Manufacturer and Models	Stock No.	Your Cost
<b>Spartan</b>		
25, 26	W7946	1.18
110, 301, 101, 109, 980, 931, 79A, 69, 591, 593	W7930	.88
410, 420, 600A, 610A, 620A	W7983	1.76

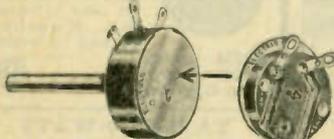
Manufacturer and Models	Stock No.	Your Cost
<b>Stewart-Warner</b>		
950DC, 970, R-11C, DC	W8022	1.47
950AC, R-100A, R-100B, R-100E	W7925	.88
R-111	W8122	1.18
300, 305, 310, 315, 320, 325, 340, 345, 350	W7916	.59
355, 360, 385, 390	W7905	.59
R-101A, 101B	W7912	.59

Manufacturer and Models	Stock No.	Your Cost
<b>Stromberg-Carlson</b>		
635, 636, Short Shaft	W7901	.88
635, 636, 638, Double Shaft	W7961	.88
846, 848, Double Shaft	W7965	.88
846, 848, Long Shaft	W7900	.88
641, 642, 652, 654: Long Shaft	W7900	.88
641, 642, 652, 654: Double Shaft	W7960	.88
10, 11, 25, 28	W8030	.88
19, 20, 21	W8031	.88
12, 14	W8032	.88
22, 24	W8033	.88
48, 49, 50, 51, 52, 54	W8063	1.47

Manufacturer and Models	Stock No.	Your Cost
<b>U. S. Radio and Television</b>		
8 Series, 10 Series	W7907	.59
Gloriatone 26P	W8126	.88
Gloriatone, Late 27	W8127	1.18

Manufacturer and Models	Stock No.	Your Cost
<b>Zenith Radio</b>		
14, 15, 16, 39, 33, 34, 35, 35A, 342, 352, 352A, 362, 333, 358, 34P, 342P, 40A, 41, 42, 422, 35P, 35APX, 352PX, 352-APX, 37A	W7841	1.76
52, 53, 54, 60, 61, 62, 64, 67	W7945	1.18
602, 613, 622, 642, 672	W7945	1.18
70, 71, 72, 73, 77, Hyper Merton, 772, 722, 732, 60 late	W7976	1.76
91, 92 Early	W8237	1.18
91, 92 Late	W8238	1.18
230, 240, 245, 474, 475, 712 Single, 750, 755, 756, 760, 765, 767, 2054, 2059	W8148	.88
701, 705, 706, 707, 711	W8148	.88
5513, 5513-A Chassis, 5-S-29, 5-S-56	W8239	1.18
4-V-31, 4-V-59	W8240	1.18
4-V-31 Tone, 4-V-59 Tone	W8241	.88
1202, 1601-C Chassis	W8242	1.18
5513 Tone, 5513-A Tone	W8243	.88

## ELECTRAD UNIVERSAL REPLACEMENT STANDARD VOLUME CONTROLS



audio plate control; GT—audio grid or tone control; S—antenna or audio shunt; H—special taper for metal tube circuits, for bias. Letter W following type number indicates wire wound element.

Stock No.	Mfrs. No.	Res. Ohms	Tapped At	Your Cost
WG7846	894	500,000	100,000	<b>88¢</b>
WG7838	895	1,000,000	200,000	
WG8228	898	2,000,000	1,000,000	

### Special Fader Controls (for amplifiers, etc.)

Stock No.	Mfrs. No.	Resistance Ohms	Your Cost
WG8229	890	30,000-0-30,000	<b>88¢</b>
WG8230	891	250,000-0-250,000	
WG8231	892	500,000-0-500,000	

### Attachable Volume Control Switches

WG8095—S.P.S.T. (101)	29c	WG7839—S.P.D.T. (102)	35c
WG8094—S.P.S.T. *(104)	35c	WG7840—D.P.S.T. (103)	35c
*—Special for auto radios.		WG7837—T.P.S.T. (105)	35c

Stock No.	Mfrs. No.	Res. Ohms	Stock No.	Mfrs. No.	Res. Ohms
W7905	204W*	10U	W7924	283	10000U
W8072	269W	20U	W8158	995W	10000A
W8128	270W	30U	W8224	996	10000S
W8129	271W	50U	W7912	240	10000A
W8068	272W	100U	W8091	573	12000C
W7915	273W	200U	W8225	875	12500H
W7916	274W	400U	W7902	201	15000A
W8200	991W	500U	W7921	279	25000U
W7923	282W	660U	W7922	280	25000P
W7917	275W	800U	W7913	241	30000P
W7918	276W	1000U	W8226	997	40000U
W8221	992W	1500U	W7906	205	50000U
W7909	232W	2000U	W7903	202	75000C
W7910	233W	3000U	W7914	242	100000GT
W7919	277W	4000U	W8125	281	200000U
W7911	234W	5000U	W8227	998	250000C
W7920	278	5000A	W7908	208	250000GT
W8222	993W	6000A	W7904	203	500000GT
W8223	994W	7500A	W7907	206	1 Meg. GT
W8083	560	7500A			

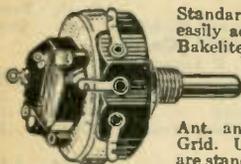
\*—Rheostat Type  
Your Cost Each, Any of The Above Controls **59¢**

We Will Not Knowingly Be Undersold



# STANDARD TYPE VOLUME CONTROLS

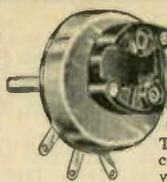
## CLAROSTAT AD-A-SWITCH WIRE WOUND VOLUME CONTROLS



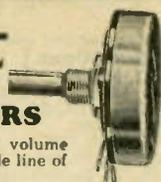
Standard controls to which switch cover may be easily added by prying off the metal dust cover. Bakelite shells. Diameter 1 3/4", mounts in 3/8" hole. Shaft insulated, and extends 1 1/2". Letters following resistance value indicate taper as follows: L—Untuned Ant.; N—Ant. or R. F. Coil; U—Combined Ant. and "C" Bias; V—"C" Bias; W—Screen Grid. Units with no letters following resistance are standard controls with uniform taper, for voltage divider and tone control circuits.

Stock No.	Res. Ohms						
W7099	50	W7090	2000	W7081	7500	W7072	15000U
W7098	100	W7089	2000L	W7080	7500U	W7071	15000W
W7097	200	W7088	2000V	W7079	7500V	W7070	20000
W7096	300	W7087	3000	W7078	10000	W7069	20000V
W7095	400	W7086	3000U	W7077	10000N	W7068	25000
W7094	500	W7085	3000V	W7076	10000U	W7067	30000
W7093	750	W7084	5000	W7075	10000V	W7066	40000
W7092	1000	W7083	5000U	W7074	10000W	W7065	50000
W7091	1000L	W7082	5000V	W7073	15000		

Your Cost Each, Less Switch. **57¢**



## Trutest TRU-TAPER POTENTIOMETERS



Trutest presents these quality volume controls as a thoroughly reliable line of variable volume components.

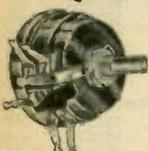
Features include: extra hard composition elements; multi-point wiping contact arm; correct taper; rugged construction. With 1 1/4" shafts. Bakelite frames, metal dust covers. 3/8" bushings.

Stock No.	With Switch	Without Switch	Resist. in Ohms	Tapered For Circuit
W9070	W9081	W9081	1000	Antenna Shunt
W9071	W9082	W9082	2000	Antenna Shunt, "C" Bias
W9072	W9083	W9083	5000	Antenna Shunt
W9073	W9084	W9084	10000	Antenna Shunt, "C" Bias and Ant.
W9074	W9085	W9085	25000	Antenna Shunt, "C" Bias and Ant.
W9075	W9086	W9086	50000	Screen Voltage or Tone Control
W9076	W9087	W9087	75000	"C" Bias Control
W9077	W9088	W9088	100000	Screen Voltage or Tone Control
W9078	W9089	W9089	250000	Audio Shunt or Tone Control
W9079	W9090	W9090	500000	Audio Shunt or Tone Control
W9080	W9091	W9091	1 Megohm	Audio Shunt or Tone Control

With Switch Your Cost, Any Type. **40¢**

Without Switch Your Cost, Any Type. **28¢**

## Trutest EXACT Duplicate Controls



For VICTOR  
R-32  
RE-45  
R-52  
RE-75

Fits chassis exactly. Dual unit, 3800, 3800 ohms. **W9094—Your Cost Each 85¢**

For RCA-Victor models 42, 48, R-14, R-15, R-17. Dual unit, 10,000 and 25,000 ohms. **W9093—Your Cost \$1.15**

**PHILCO 20, 20A and 220**  
Exact duplicate. Dual unit, 285 and 5000 ohms. **W9092—Your Cost 79¢**

## ZENITH 70 SERIES Late Type



Used in models 50, 60, 70, 71, 72, 73, 77, 712, 722, 723 and 772. Late types, dual control. With switch. 1,150 ohms and 110,000 ohms. **W9095—Your Cost \$1.29**

## ZENITH 50 Series

Single control with switch. Used in models 52, 53, 522, 532, 54, 55, 57, 60, 61, 62, 64 and 67. **W9096—Your Cost 79¢**

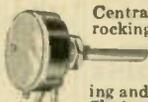
## Tapped Volume Control With Switch 250,000 Ohms

High quality control at an unusually low price. 250,000 ohms with tap at 125,000 ohms. For audio circuits. 3/8" shaft. **W8350—Your Cost 25¢**

## CONTROL HEX NUTS

For 3/8" bushings. **W6386—For 1/2" panels. Your Cost Each 9¢**  
For 3/8" bushings. **W6385—For 3/4" panels. Your Cost Each 12¢**

## Centralab Radiohm POTENTIOMETERS



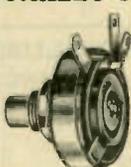
Centralab controls use these features: patented rocking contact to the resistor; no change or noise after long service. Patented non-rubbing contact between an oil-treated wood bearing and a smooth polished metal contact band. Shaft milled flat, 2 1/4" long. Diameter, 1 3/4", depth, 3/8"; shaft, 3/8"; bushing, 3/8". Bakelite housed with metal dust-proof shield. Listing is coded to indicate taper as follows: U—Voltage Divider (Uniform); S—Antenna Shunt; A—Antenna Shunt and C Bias; A1—Antenna Shunt and C Bias, 1 Tube; A2—Antenna Shunt and C Bias, 2 Tubes; C—C Bias; T—Tone Control; GT—Audio Grid or Tone Control; P—Series in R. F. Plate.

Stock No.	Res. Ohms	Stock No.	Res. Ohms	Stock No.	Res. Ohms
W8876	500U	W8858	10000S	W8840	75000C
W8865	1000U	W8873	15000A	W8862	100000U
W8859	2000U	W8931	15000A	W8880	100000GT
W8866	3000U	W8877	20000A	W8878	200000GT
W8867	4000U	W8869	25000U	W8694	200000C
W8868	5000U	W9032	25000C	W8879	250000GT
W8842	5000S	W8860	25000S	W8864	500000U
W8872	10000A	W8861	50000U	W8841	500000P
W8871	10000A1	W8875	50000T	W8874	1 Meg. GT
W8843	10000A2	W9033	75000T	W8696	3 Meg. GT

Your Cost Each, Any Type. **59¢**

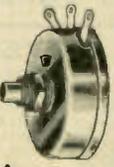
Switch Cover Plate **W8665—Your Cost Each 29¢**

## YAXLEY RHEOSTATS AND POTENTIOMETERS



**Type C—2 Watts**  
Compact series of controls ideal for use where space is limited. Contact arm is grounded to the shaft. Diam. 1 1/2", 3/8" shaft, is 3/8" long.

**Type M—4 Watts**  
Extremely compact, conservatively rated at 4 watts. Fully enclosed. 1 3/8" diam.; mount in 1/2" hole. Shaft is 3/8" diameter, 3/8" long.



Rheostats		Potentiometers	
No.	Ohms	No.	Ohms
W6197	6	W6201	30
W6198	10	W6202	40
W6199	15	W6203	50
W6200	20	W6204	100
Your Cost Each, Any Type <b>44¢</b>		Your Cost Each, Any Above Type <b>44¢</b>	
W6205	6	W6210	40
W6206	10	W6211	50
W6207	15	W6212	100
W6208	20	W6213	200
W6209	30	W6214	400
Your Cost Each, Any of the Above <b>59¢</b>		Your Cost Each, Any of the Above <b>73¢</b>	
W6215	1000 ohms		
W6216	3000 ohms		
W6217	5000 ohms		
W6218	6000 ohms		
W6219	10000 ohms		
W6220	15000 ohms		
Your Cost Each <b>88¢</b>		Your Cost Each <b>88¢</b>	

## CARTER Midget Rheostats and Pots.

### 1-Watt

Extremely compact rheostats and potentiometers that dissipate 1-watt. All wire wound. Rheostats are 1 1/4" diam.; potentiometers are 1 1/2" diam. Mount in single 3/8" hole and project 1/2" back of panel. Shaft 3/8" thick extends 1 1/2". No knob included.



Stock No.	Ohms	Stock No.	Ohms
W6515	6	W6520	400
W6516	10	W6521	500
W6517	15	W6522	1000
W6518	20	W6523	1500
W6519	200		

### Rheostats—Type MR

No.	Ohms	No.	Ohms
W6524	3	W6529	25
W6525	6	W6530	30
W6526	10	W6531	40
W6527	15	W6532	50
W6528	20	W6533	75

Your Cost Each, Any Above Rheostat or Potentiometer. **28¢**

## ETCHED PLATES

Aluminum, with hard smooth finish. Fit over 3/8" bushing. Numbers etched in white. **W6234—1 to 12**  
**W6223—0 to 100**  
Your Cost Each **9¢**

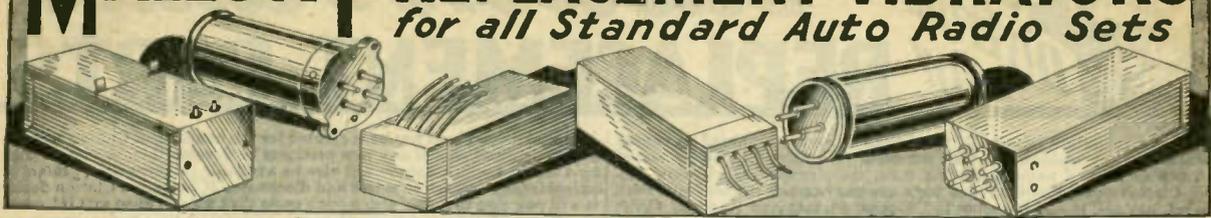
## YAXLEY 9-WATT POTENTIOMETERS TYPE E

Similar in appearance to the type M units listed at the left, but larger in size. Dissipate 9 watts. Contact arm grounded to the shaft. Diameter 2 1/2", 3/8" shaft. All potentiometer type.

Stock No.	Ohms	Stock No.	Ohms
W6188	5000	W6190	20000
W6189	10000		
Your Cost Each <b>\$1.47</b>		Your Cost Each <b>\$1.47</b>	
Stock No.	Ohms	Stock No.	Ohms
W6191	25000	W6194	100000
W6192	50000	W6195	125000
W6193	75000	W6196	150000
Your Cost Each, Any of the Above. <b>\$1.62</b>		Your Cost Each, Any of the Above. <b>\$1.62</b>	

# MALLORY REPLACEMENT VIBRATORS

for all Standard Auto Radio Sets



Mallory Replacement Vibrators are admittedly the finest on the market today. A great majority of the auto radio manufacturers use them as original equipment. For greatest efficiency use only Mallory Vibrators—they cost no more than inferior makes.

Stock No.	Name and Model	Type No.	Your Cost
<b>Arvin</b>			
W6137	15, 25, 35, 45 (1st series)	296	\$2.65
W6135	15, 25, 35, 45 (2nd series)	292	2.65
W6135	10A, 20A, 20B, 30A, 30B, 16	292	2.65
W6136	7, 17, 17A, 27, 37, 18, 28, 33	294	2.65
<b>Atwater-Kent</b>			
W6114	424, 534	222	3.09
W6137	666, 776	296	2.65
W6168	816	226	3.09
<b>Belmont</b>			
W6136	566, 666, 690, 670A, 880A, 880B, 880C	294	2.65
<b>Bosch</b>			
W6125	524A, 634, 634A	253Y	2.65
W6127	140 (Ed. 2&3)	271	3.23
W6106	150 (Ed. 1)	219	3.38
W6127	150 (Ed. 2)	271	3.23
W6127	45A, 45C, 160	271	3.23
W6123	79	258	2.65
W6136	536, 636, 637, 736, 737, 738	294	2.65
<b>Buick—Olds.—Pontiac</b>			
W6113	980393	221	2.79
W6114	980459-980455	222	3.09
W6114	980441	222	3.09
W6130	544245-6	273C	3.23
W6130	398884-5	273C	3.23
W6130	544267-8	273C	3.23
W6130	405045-6	273C	3.23
W6167	980507-8-9	273D	3.23
W6130	982006-7-8	273C	3.23
W6130	983506-7	273C	3.23
<b>Cadillac</b>			
W6106	062W Stand.	210	3.38
W6106	062W Master	237	3.38
W6104	271 (062)	206	2.94
W6106	272 (072A)	211	3.38
W6123	6U2	253	2.65
W6113	56V1	221	2.79
<b>Chevrolet</b>			
W6113	364441	221	2.79
W6114	600155-600566	222	3.09
W6114	600249-600565	222	3.09
W6130	601038	273C	3.23
W6130	601176-7	273C	3.23
W6130	601814	273C	3.23
W6130	601662	273C	3.23
W6130	601574	273C	3.23
W6136	985100-200	294	2.65
W6167	985300	273D	3.23

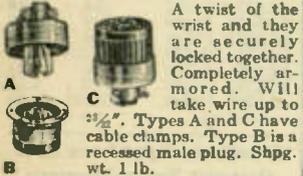
Stock No.	Name and Model	Type No.	Your Cost
<b>Colonial</b>			
W6113	106B Supp.	221	\$2.79
W6112	164	220B	2.94
W6137	164B	296	2.65
W6127	150	271	3.23
<b>Crosley</b>			
W6115	98, 99, 102, 103, 5A1	223	3.38
W6169	4A1, 6B1, 5A3	247	3.23
<b>De Wald</b>			
W6113	52	221	2.79
W6135	61	292	2.65
W6136	517, 606, 607	294	2.65
<b>Emerson</b>			
W6137	965, 667	296	2.65
W6132	5A	277S	3.23
W6125	6A	253Y	2.65
<b>Fada</b>			
W6113	101, 102, 104, 104B	221	2.79
W6136	266	294	2.65
<b>Ford</b>			
W6112	Majestic 40-18805	220B	2.94
W6122	Philco (all)	500P	2.35
W6137	Lincoln	296	2.65
<b>General Electric</b>			
W6127*	B40, C41, B52	273	3.23
W6123	C60	253	2.65
W6165	C61	224	3.82
W6147	D50, D51, D52	287M	3.23
W6136	D72	294	2.65
<b>Hudson-Terraplane</b>			
W6112	Majestic Head	220B	2.94
W6135	651HE, 650HD, 660TD, 661TE	292	2.65
W6136	666, 668, 680, H6	294	2.65
<b>Lafayette</b>			
W6106	S17762	210	3.38
W6133	B-62	286S	3.23
W6104	062, 062A	206	2.94
W6123	L30, 6S	253	2.65
W6137	L-23, AM20	296	2.65
W6136	C60, LW10	294	2.65

Stock No.	Name and Model	Type No.	Your Cost
<b>L'Tatro (32 Volt)</b>			
W6142	Admiral F293, Captain F913, Commander E83	F204	\$2.94
W6143	Governor N54, Lt. Governor L54	F211	3.67
W6144	F725, D625, C625, X6236	F251	3.09
<b>Majestic</b>			
W6112	66, 116, 116A, 118	220B	2.94
W6112	40-18805	220B	2.94
<b>Mallory "B" Eliminator</b>			
W6100	Type 1	201	2.94
W6100	Type 2	202	2.94
W6100	Type 3	203	2.94
W6100	Type 4	204	2.94
W6104	Type 5	205	2.94
W6104	Type 6	206	2.94
W6106	Types 10, 10C, 10CA, 10P, 10PC, 10ST	210	3.38
W6106	11, 11M, 11Z, 11CD, 11P, 11PC	211	3.38
W6106	12, 12C, 12PC	212	3.38
W6106	13, 13S	213	3.38
W6106	14, 14C, 14PN	214	3.38
<b>Montgomery Ward</b>			
W6135	87	292	2.65
W6104	62-118, 62-166	253	2.65
W6104	Auto Radio	206	2.94
W6144	Airline, 62-136, 62-138	F253	3.09
W6133	5Y, 62-199	286S	3.23
<b>Motorola</b>			
W6136	34	294	2.65
W6138	88, 61	302S	2.94
W6116	77, 44A, 566	230	3.38
W6126	77A	270B	3.23
W6117	55	231	3.38
W6119	44	235	3.38
W6123	Dual 6, Twin 8	253	2.65
W6136	50, 60, 80, 90	294	2.65
W6124	57, 75, 100	253T	2.65
W6124	62, 79, 110	253T	2.65
W6117	55A	234	3.38
<b>Philco</b>			
W6122	All To 1936	500P	2.35
W6170	1936 Models	501P	2.35

Stock No.	Name and Model	Type No.	Your Cost
<b>RCA-Victor</b>			
W6127*	M34, M105, M116, AR4229	273	\$3.23
W6123	M107	253	2.65
W6171	5M, 6M, 6M2	249	3.23
W6165	M123	224	3.82
W6136	H-6, M109	294	2.65
W6134	M101, 104, 108, 287M	3.23	2.65
<b>Sears-Roebuck</b>			
W6136	7128 (4 pr.)	294	2.65
W6137	7128 (6 pr.)	296	2.65
W6171	4400	249	3.23
W6136	7157, 7167, 1869	294	2.65
W6127	1859	271	3.23
W6127	7117, 1859A	271	3.23
<b>Spartan</b>			
W6135	33, 33A, 333	292	2.65
W6114	36	222	3.09
<b>Stewart-Warner</b>			
W6136	1171, 1172, 1311, 1312, 1314-19	294	2.65
W6135	1121, 1122, R112, 1123	292	2.65
W6166	R1322, R132	289Y	3.23
W6136	131, R-117-18, 1182-3	294	2.65
<b>Stromberg-Carlson</b>			
W6106	33, 33A	236	3.38
<b>Utah</b>			
W6113	"B" Elimin.	221	2.79
<b>Wells Gardner</b>			
W6135	V6Z2, Z6Z1	292	2.65
W6133	25Y1	286S	3.23
W6146	25Y1 (12V)	G286S	3.82
W6104	062, 062A	206	2.94
W6106	072, 072A	211	3.38
W6106	06W (1st)	210	3.38
W6106	06W (2nd)	237	3.38
W6123	6U, 6S, 6R	253	2.65
W6144	26B1, 26B5	F253	3.09
W6136	6N	294	2.65
<b>Westinghouse</b>			
W6136	WR25 (4 pr.)	294	2.65
W6137	WR26 (6 pr.)	296	2.65
<b>Zenith</b>			
W6137	7, Ford	296	2.65
W6135	460, 462	292	2.65
W6136	668, 680	294	2.65

\*Following number means that cup adapter is necessary. Cup Adapter, when purchased with vibrator. **W6148—Your Cost..... 29¢**  
Cup adapter only..... 59¢

## "Twist-Lock" Polarized Armored Connectors



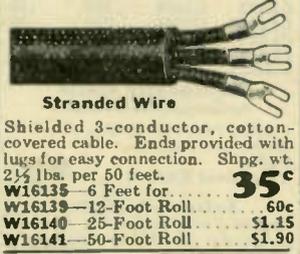
A twist of the wrist and they are securely locked together. Completely armored. Will take wire up to 1/4". Types A and C have cable clamps. Type B is a recessed male plug. Shpg. wt. 1 lb.

Stock No.	Type No.	No. of Connect.	Your Cost
W13175	A	2	38c
W13184	B	2	55c
W13177	A	3	57c
W13186	B	3	75c
W13179	A	4	85c
W13188	B	4	95c

Stock No.	Type No.	No. of Connect.	Your Cost
W13176	C	2	75c
W13178	C	3	97c
W13180	C	4	\$1.45

## Ready-To-Use Carbon Microphone Cable



Stranded Wire  
Shielded 3-conductor, cotton-covered cable. Ends provided with lugs for easy connection. Shpg. wt. 2 1/4 lbs. per 50 feet.

W16135	—6 Feet for	35¢
W16139	—12-Foot Roll	60c
W16140	—25-Foot Roll	\$1.15
W16141	—50-Foot Roll	\$1.90

3-Way Mike Plug  
Bakelite handle, tinned brass contacts.

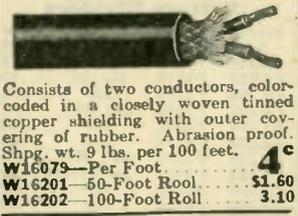
W13521	—Your Cost	40¢
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3-Way Jack  
Use with above plug.

W13522	—Your Cost	26¢
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## Thutest Low-Imped. Velocity Mike Cable



Consists of two conductors, color-coded in a closely woven tinned copper shielding with outer covering of rubber. Abrasion proof. Shpg. wt. 9 lbs. per 100 feet.

W16079	—Per Foot	4¢
W16201	—50-Foot Roll	\$1.60
W16202	—100-Foot Roll	3.10

Armored Mike Connectors  
Diam. 1 1/2". Shpg. wt. 1 lb. each.

W13401	—Plug Your Cost	44¢
W13400	—Socket Your Cost Each	58¢
W13415	—3-wire flush receptacle. Fits W13400 socket.	59¢

## Thutest Shielded Carbon Mike Cable



Three color-coded conductors in tightly woven tinned copper shield. 1/4" outer covering of high-percentage rubber. Shpg. wt. 10 lbs. per 100 feet. Wire is stranded.

W16145	—Per Foot	4¢
W16204	—12-Foot Roll	45c
W16205	—25-Foot Roll	85c
W16206	—50-Foot Roll	\$1.60
W16207	—100-Foot Roll	3.10

Similar to above, but 5-conductor. Shpg. wt. 10 lbs. per 100 ft.

W16100	—100 ft. 5-wire	8¢
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Your Cost Per Ft. .... 8¢

Microphone Springs  
Made of fine tempered steel with loop ends.

W13402	—Set of 8	15¢
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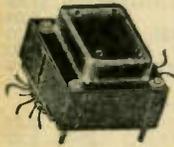
**Sole Distributors For**

# Clarion Radio REPLACEMENT PARTS

As sole distributors for all Clarion products we are prepared to supply practically any replacement part required. We carry complete stock of all the most used parts, including coils, transformers, condensers, etc. All Clarion parts listed on this page are maintained in the New York warehouse and at our branches in Chicago, Atlanta and Newark. Order from the branch most convenient for you—shipments will be promptly made on all Clarion parts whether or not they are listed here.

A special department has been created for the handling of Clarion replacement parts and should any new products be developed from time to time by Clarion engineers these will also be available to authorized dealers at exceptionally attractive prices and discounts. If you are a Clarion dealer it will pay you to get in touch with us so that we can keep you informed of all new developments as they are completed by Clarion engineers. Send us your name and address and we will put you on our Clarion list.

## Power Transformers



25 to 60 Cycles, 110 to 220 Volts

### 60 Cycle-110 Volts

Stock No.	Clarion No.	Model No.	Your Cost
CL132	G1578	300	\$3.50
CL264	G1152	56	3.50
CL287	G1644	340	2.20
CL482	G1758	470	1.95
CL103	G2013	51	2.75
CL200	G1151	61, 70	3.25
CL232	G1381	160	2.95
CL102	G1255	80	2.00
CL262	G1497	200	1.75
CL269	G1528	240	1.95
CL230	G1490	260	3.10

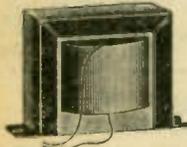
### 25 Cycle-110 Volts

CL	G	Model	Your Cost
CL199	G1151A	61, 70	\$3.95
CL198	G162A	56	4.25
CL101	G1240A	90, 94	3.50
CL479	G1323A	40	3.50
CL233	G1490A	260	3.50
CL135	G1644A	340	3.50
CL478	G1255A	80	2.95
CL134	G1381A	160	3.75
CL229	G1518A	280	3.75
CL168	G1578A	300	3.75
CL100	G1662A	360	3.10
CL166	G2113	51	5.85

### 60 Cycle-220 Volts

CL	G	Model	Your Cost
CL480	G1578B	300	\$3.75
CL169	G1240B	90, 94	3.45
CL266	G1323B	40	3.75
CL196	G1616B	320	1.65
CL167	G1662B	360	3.95
CL136	G1490B	260	2.50
CL228	G1151B	61, 70	3.50

## Audio Transformers



Input And Output Units

### Input Transformers

Stock No.	Clarion No.	Model No.	Your Cost
CL255	G1045	51	\$1.05
CL245	G1109	60 Jr.	1.45
CL248	G1182	61	1.45
CL249	G1778	480	-.95
CL250	G1812	490	-.75
CL438*	G1838	500	1.25

### Output Transformers

Stock No.	Clarion No.	Model No.	Your Cost
CL253	G1051	51	\$1.15
CL256	G1420	160	-.85
CL279	G1516	280	-.85
CL240	G1660	360	-.85
CL247	G1813	490	-.85
CL243	G1697	425, 440	-.75
CL241	G1617	320	-.55
CL242	G1689	400	-.65

## Filter Condenser Blocks



Genuine Original Replacement Parts

Stock No.	Clarion No.	Model No.	Your Cost
CL217	G1529	240	\$2.95
CL372	P4709	440	1.45
CL380	P4737	450	1.45
CL226	G1480	220	2.95
CL209	G1384	100	2.95
CL227*	G1529A	240	2.95
CL212	G1573	300	2.95
CL219	G1319	40	2.95
CL364†	G1529B	240	2.75
CL201	G2033	51	3.95
CL206	G1164	70	3.95
CL216	G1106	60	3.95
CL220*	G2133	51	3.95
CL377	P4584	400	1.10
CL363	P4585	400	-.80
CL371	P4717	423	-.95
CL202	G1178	61	3.75
CL222	G1187	56	3.75
CL204	G1256	80	2.25
CL213*	G1298A	90, 94	2.50
CL208	G1350	84, 85	2.50
CL221	G1298	90, 94	2.05
CL225	G1298C	95	1.35
CL211	G1319A	40	3.25
CL218	G1413	160	1.25
CL214	G1492	260	2.95
CL215	G1519	280	2.95

\* 25 Cycle † 220 Volt

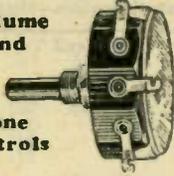
## By-Pass Blocks

Stock No.	Clarion No.	Model No.	Your Cost
CL191	G1057	51	\$0.98
CL376	G1108	60 (A.F.)	-.85
CL224	G1540	240	-.85
CL185	G1167	61, 70 (R.F.)	1.85
CL189	G1262	80, 90 (A.F.)	1.00
CL153	G1295	80, 90 (R.F.)	1.10
CL192	G1326	40	-.75
CL324	G1348	45	-.75
CL205	G1511	220	-.75
CL188	G1622	322	-.75
CL186	G1351	84	-.50
CL203	G1498	260	-.60
CL190	G1642	340	-.80
CL360	G1432	160 (A.F.)	1.25
CL365	G1431	160 (R.F.)	1.45
CL122	G1585	300	-.98

## Voltage Dividers

Stock No.	Clarion No.	Model No.	Your Cost
CL296	P1335	60 Jr.	\$0.75
CL335	P1819	40, 100	-.59
CL299	P4268	220	-.35
CL295	P4269	241, 260	-.35
CL294	P4305	280	-.59
CL320	P4379	300	-.59
CL298	P4267	240, 300	-.29
CL319	P4303	280 (Bias)	-.29
CL300	P4512	340	-.50
CL325	P4533	360	-.50
CL318	P4534	360	-.19
		(300 ohms)	
CL585	P4947	480	-.48

## Volume and Tone Controls



Stock No.	Clarion No.	Model No.	Your Cost
CL496*	P1308	51	\$0.65
CL494*	P1813	40	-.85
CL510*	P4035	100	-.98
CL490*	P1064A	60	-.98
CL493	P1480	61, 70	-.55
CL495*	P1749	80	-.60
CL505*	P4080	120	-.60
CL521*	P4081	160	-.55
CL491*	P1747	90	-.80
CL499	P4434	320	-.55
CL503*	P4769	AR-100	-.75
CL523	P4979	490	-.48
CL497*	G1740	422, 423	-.60

\* With Switch.

## Tone Controls

Stock No.	Clarion No.	Model No.	Your Cost
CL517	P1566	58C	\$0.50
CL522*	P4978	490	-.60
CL504*	P1955	85	-.55
CL519*	P4079	160	-.55
CL501*	P4433	340	-.75

\* With Switch.

## R.F. Coils

Stock No.	Clarion No.	Model No.	Your Cost
CL547	P4741	450	\$0.60
CL562	G1544	240	-.65
CL147	G1650	340	-.65
CL149	G1191	56 (2nd)	-.65
CL144	G1192	56 (3rd)	-.65
CL145	G1272	80 (1st)	-.65
CL146	G1293	90	-.65
CL139	G1503	480	-.40
CL140	G1376	100	-.40
CL558	G1090	51 (2nd)	-.95
CL156	G1183	61	-.50
CL578	G1342	45	-.55

## Antenna Coils

Stock No.	Clarion No.	Model No.	Your Cost
CL532	P4739	450	-.65
CL561	G1493	241	-.65
CL530	G1649	340	-.65
CL154	G1163	70	-.65
CL158	G1543	240	-.85
CL148	G1294	90	-.55
CL131	G1343	45	-.45
CL152	G1386	100	-.35
CL150	G1386	220	-.50
CL549	G1089	51	-.75
CL584	P4591	400	-.65

## Composite Coils Antenna-Pre-Selector

Clarion Part No. P4450. Used in Model 320 receiver. **Your Cost Each 63¢**

## Antenna-Oscillator

Clarion Part No. P4843. Used in the Model AR-100 auto radio. **Your Cost Each 79¢**

## I. F. Coils

Stock No.	Clarion No.	Model No.	Your Cost
CL118	P4885	470, 472 (1st)	\$1.25
CL544	P4654	420 (1st)	1.25
CL541	P4655	420 (2nd)	1.25
CL545	P4716	422 (2nd)	1.25
CL120	G1531	240 (1st)	1.25
CL115	G1532	240 (2nd)	1.25
CL104	G1533	240 (3rd)	1.25
CL110	G1575	300 (3rd)	1.25
CL114	G1647	340	1.25
CL105	G1661	360	1.25
CL538	G1843	490	-.95
CL116	P4798	AR-100	-.95
CL111	G1494	260 (2nd)	-.95
CL159	G1414	160 (1st)	-.95
CL540	P4045	220	-.40
CL533	P4730	450 (1st)	1.25
CL543	P4731	450 (2nd)	1.25
CL427	AR479	470	1.75
CL121	G1610	241 (1st)	1.15
CL117	G1611	241 (2nd)	1.15
CL108	G1638	320 (osc. and i.f.)	1.39
CL113	G1794	480 (2nd)	1.15
CL109	G1576	300	1.15
		(1st and 2nd)	1.25
CL155	G1793	480 (1st)	-.55
CL587*	G1373	100, 220 (osc. and i.f.)	1.45

\* Also used in Silvertone Model 1506, Bulova Models 600, 601 and Temple Model 100 receivers.

## Oscillator Coils

Stock No.	Clarion No.	Model No.	Your Cost
CL564	P4887	470	\$0.50
CL563	G1804	480	-.45
CL550	P4044	100, 220	-.55
CL546	G1546	240	-.65
CL566	G1545	240	-.65
CL141	G1273	80	-.65
CL559	P4740	450	-.75
CL551	G1562	241	-.40
CL511	G1311	90	-.40
CL123	G1648	340	-.95

## Wave Change Switch For Model 480

Part No. 4919. T.P.D.T. **Your Cost Each 50¢**

## Variable Condensers

Stock No.	Clarion No.	Model No.	Your Cost
CL194*	G1317	40	\$2.50
CL177*	P4432	320	1.95
CL182*	P4468	340	2.25
CL422*	P4745	450	2.25
CL173†	P4629	422, 425	1.25
CL174	P4712	440	1.25
CL175†	P4856	470	1.25
CL176†	P4744	AR-100	1.50

\* 3-Gang. † 2-Gang.

## Dynamic Speakers Less Output Transformers

Stock No.	Clarion No.	Model No.	Your Cost
CL126	G1501	260	\$2.50
CL160	G1503	280	2.25

## Cone and Voice Coil For AR-100 Auto Set

Clarion Part No. G1751. **CL594—Your Cost Each 65¢**

"A" Choke for AR-100 Clarion Part No. P4799. **CL157—Your Cost Each 29¢**

## NOTE

Space limitations prevent us from showing a complete tabulation of all the Clarion parts available. If the part you require is not listed, write us giving model number of receiver and name of part. We will then quote you at the very lowest prices. Shipments made promptly.

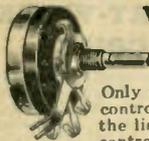




Genuine

RCA-VICTOR

Replacement Parts



Volume Controls

Only the more popular controls are shown in the listing. Any other control on order only.

Table with columns: Stock No., Part No., Model Numbers, Your Cost. Lists various volume control models and prices.

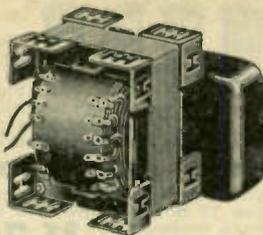
Capacitor Packs

Table with columns: Stock No., Part No., Model Numbers, Your Cost. Lists various capacitor pack models and prices.

Fixed Capacitors

Table with columns: Stock No., Part No., Model Numbers, Your Cost. Lists various fixed capacitor models and prices.

Universal "Fitzall" Power Transformers



Four types cover practically every requirement in every day service.

For 10-12 Tube Sets

Part No. 9551. Mounting centers 1 1/4" to 2 1/4", 4 1/4" high, 3 3/4" wide. Primary: 115 volts, 50-60 cycles a.c. Secondaries: high voltage 750 volts c.t. at 110 ma.

Your Cost \$3.30

Midget 4-Tube Transformer

Open frame type for use in midget sets, where universal features are unnecessary. Primary for 115 volts, 50-60 cycles. High voltage 600 volts c.t. at 40 ma.

Your Cost \$1.20

Universal Output Transformer

Matches the output of all existing output tubes to any voice coil of from 1 to 15 ohms. Primary impedances 1000 to 20,000 ohms.

Your Cost \$1.41

For 5-9 Tube Sets

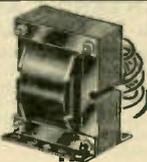
Part No. 9553. Mounting centers 1 1/4" to 2", 4 1/4" high, 3 3/4" wide. Primary: 115 volts, 50-60 cycles a.c. Secondaries: high voltage 750 volts c.t. at 80 ma.

Your Cost \$2.85

For Class "B" Sets

Part No. 9552. Mounting centers 1 1/4" to 2 1/4", 4 1/4" high, 3 3/4" wide. Primary: 115 volts, 50-60 cycles a.c. Secondaries: high voltage 165-310-165-310 volts at 115 milliamperes.

Your Cost \$3.60

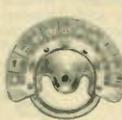


Universal Audio Transformer

Suitable for either straight audio or push-pull interstage transformer. Fully shielded in black finished metal case, vacuum wax impregnated.

Your Cost \$1.20

Dial Assembly



Part No. 3000. Dial drum and scale assembly for models R4, 6, 7, 7A, 7DC, 9, 9DC, 7LW, 10DC, 43 and RE16A. Shpg. wt. 1 lb.

Your Cost \$24

Dial Drive



RCA Part No. 2999. Used in Models R-7A, R-9, R-43, R-10, R-11, R-8, RE-18, RE-26, RE-16A, R-4 and R-6.

Your Cost \$24

Drive Clutch Assembly

Part No. 4422. Used in Models 118, 211, 128, 224, 322, 135B, 235B, 143, 242, 262, 281 and 381. Shaft, bearings, ring, spool, spring and washers, completely assembled.

Your Cost \$60

We can supply any RCA-Victor part not listed in this book at a discount of 40% from the list price.

Power Transformers



All for 110 volts 50-60 cycles a.c. except stock No. 2121, which is for 105-250 volts, 50-60 cycles a.c.

Table with columns: Stock No., Part No., Model Numbers, Your Cost. Lists various power transformer models and prices.



Audio Transformers

Only the popular units listed; others on order.

Table with columns: Stock No., Part No., Model Numbers, Your Cost. Lists various audio transformer models and prices.

Table with columns: Stock No., Part No., Model Numbers, Your Cost. Lists various audio, input, interstage transformer models and prices.

Combination Audios

Push-pull input and output. Models R34, 35, 39, RE57, RA68, R80, 82, 86. Part No. 8554. \$4.72

Replacement Knobs

No. 2875. Volume, tone and station selector knob, Models R4, 5, 6, 7, 7A, 11, 18, 18A, 19, 32, 52, RE45, RE75, E35, PT33, 112, R43, R10. \$18

We Will Not Knowingly Be Undersold



# SHORT-WAVE COILS and FORMS

## Aladdin Polyiron R.F. and I.F. TRANSFORMERS

### Iron-Core I. F. Coils Adjustable Coupling

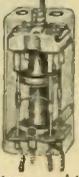


Inductively coupled Litz wound coils. Provided with lateral adjustment to obtain desired coupling. Top tuned trimmers on Isolantite forms. In round aluminum can 3 1/2" high. Color-coded leads for easy connection. With full instructions and diagrams. Threaded spade lug mounting.

Stock Freq. No. Kc.	Use	Bet. Tubes
W9686 456	Interstage	6D6-6D6
W9685 456	Converter	6A7-6D6
W9684 456	2nd I.F.	6D6-Diode
W9725 456	Converter	6A8-6K7
W9726 456	Diode In.	6K7-6H6
W9683 175	C.W.I.F.	6D6-6D6
W9682 175	C.W.I.F.	6D6-Diode
<b>Your Cost Each, Any Above Type... \$1.76</b>		

### Metal Tube Midget I.F. Transformers

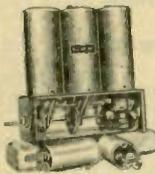
Small, Litz-wound Polyiron core inductively coupled coils designed for use in metal tube circuits. In copper cans with black enamel finish. 2 1/4" high by 1 1/2" square. Ideal for auto sets and portables. Top tuning. Leads for connections. Gain is far better than most air-core types. At 465 kc., between 6A8 and 6K7 tubes, band width is 84 kc., at 1000 times the input voltage.



Stock Freq. No. Kc.	Use	Bet. Tubes
W9674 456	Converter	6A8-6K7
W9673 456	Diode	6K7-6H6
W9672 456	Beat Freq. Osc.	6C6
W9599 456	Interstage	6K7-6K7
<b>Your Cost Each, Any Above Type... \$1.47</b>		

### GEN-ERAL MULTI-WAVE ASSEMBLIES

A four-band superheterodyne assembly all assembled and aligned at the factory. Covers 14 to 550 meters when tuned with a 3-gang .00037 mfd. tuning condenser. Consists of antenna, r.f., and oscillator coils all shielded, with changeover switch, trimmers and padders. With 2 hi-gain, 456 kc. i.f. transformers and complete pictorial and schematic wiring diagrams and all instructions. These specifications are so explicit that even the novice is assured of excellent results if care is exercised.



W9875—Complete assembly as described. **Your Cost... \$9.35**  
W9887—As above, less i.f. transformers. **Your Cost... \$7.20**

### 5-Meter Superregenerative Coil



For use as low frequency oscillator in five meter superregenerative receivers.

W14321—**Your Cost Each... 49¢**

### Iron-Core Air-Tuned I.F. Transformers

For precision custom-built receivers. Inductively-coupled, air-tuned, Litz wound coils on Polyiron core. Rectangular aluminum can 4x1 1/4x1 1/4". Top tuning. Color-coded leads. Complete with instructions.



Stock Freq. No. Kc.	Use	Bet. Tubes
W9681 456	Converter	6A7-6D6
W9680 456	Diode In.	6D6-Diode
W9679 456	Interstage	6D6-6D6
W9678 456	Converter	6A8-6K7
W9677 456	Diode In.	6K7-6H6
W9676 175	Converter	6A7-6D6
W9675 175	Diode In.	6D6-Diode
<b>Your Cost Each, Any Above Type... \$3.23</b>		
Crystal input unit; 456 kc. W9635— <b>Your Cost Each... \$3.67</b>		
High-fidelity converter, 456 kc. W9636— <b>Your Cost Each... \$3.83</b>		

### ANTENNA AND R. F. COUPLER

Inductive and capacitive coupling. All Litz wound. Can 2" sq., 3" high. Iron core—high gain. Circuit must be well shielded and filtered.



Stock No.	Range Kc.	Type	Your Cost
W9671	530-1500	Ant.	\$1.18
W9670	530-1500	R.F.	
W9669	550-1725	R.F.	

### WAVE TRAP

Rejection trap tuned from 440-480 kc., does away with commercial interference on i.f.'s. Permanently tuned with one setting.



W9633—Unshielded.....	88¢
W9634—Shielded.....	\$1.18

### BAKELITE PLUG-IN COIL FORMS

Compact type, molded Bakelite with rim tops for easy grip. 2 1/4" high, 1 1/4" diameter; fit standard sockets. Low-loss, high dielectric strength.



Stock No.	No. of Prongs	Your Cost Each
W10060	4	<b>10¢</b>
W10061	5	
W10062	6	

### BAKELITE RIBBED COIL FORMS

Ribbed natural-colored Bakelite; 1 1/2" diameter, 2 1/2" winding space. Supplied with disc in top which permits writing in wave range for easy identification. Fit all standard sockets. This type of coil offers maximum efficiency because of the air winding that the ribbed construction permits. Three forms are available; the six-prong type is for the three-winding type of coil.

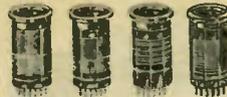
Stock No.	Prongs	Each
W9988	4	12¢
W9989	5	14¢
W9990	6	14¢

### Large Ribbed Forms

As above, but 1 1/2" diameter with winding space of 2 1/4". 8 ribs molded on coil forms.

W9630—4-prong	Each	17¢
W9631—5-prong	Each	20¢
W9632—6-prong	Each	20¢

## HAMMARLUND "XP53" SHORT-WAVE PLUG-IN COILS



Provide maximum signal strength and greatest selectivity on all bands. Precision wound on natural, amber-colored ribbed forms. Flange grips for easy handling, and meter indexes for wave-length inscriptions. 17-41 meter coils use heavy, silver-plated wire. 1 1/2" diameter, 2 1/4" long, exclusive of prongs. Has shelf for padding condenser. Fit standard sockets.

### SWK4-4-PRONG KIT

Kit of four 2-winding coils covering from 17 to 270 meters with 140 mmfd. condenser. **W9788—Your Cost... \$1.76**

Individual 4-Prong Coils		
Stock No.	Band-Meters	Net
W8474	17 to 41	59¢
W8475	33 to 75	59¢
W8476	66 to 150	44¢
W8477	135 to 270	44¢
W9790	250 to 560	73¢

### SWK6-6-PRONG KIT

Kit of four 3-winding coils covering from 17 to 270 meters with 140 mmfd. condenser. **W9789—Your Cost... \$2.20**

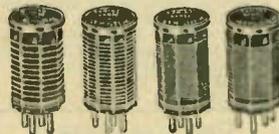
Individual 6-Prong Coils		
Stock No.	Band-Meters	Net
W8478	17 to 41	73¢
W8479	33 to 75	73¢
W8480	66 to 150	59¢
W8481	135 to 270	59¢
W9791	250 to 560	88¢

### SWF LOW-LOSS COIL FORMS

These forms are made of XP53 dielectric. Their amber color is natural. All forms are grooved and equipped with flange grips for easy handling and meter indexes for wavelength inscription. Size 1 1/2" diameter, 2 1/4" long.

W9970—4-prong	Ea.	21¢
W9971—6-prong	Ea.	24¢

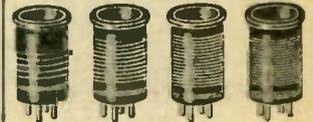
### BAKELITE RIBBED PLUG-IN COIL KIT



On ribbed, natural color Bakelite forms. Space windings. Wave-range printed on card on each coil. For .00015 mfd. tuning. Windings comprise tickler and grid input.

4 Prongs—2 Windings	Set of four 4-prong coils cover 15 to 200 meters	<b>99¢</b>
W9982—Your Cost	Two coils to cover broadcasting 185-565 meters.	<b>79¢</b>
W9983—Your Cost	Ultra short-wave 4-prong coil, 9.5-21 meters.	<b>38¢</b>
W9984—Your Cost		

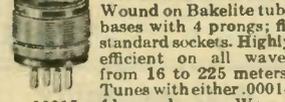
### Truest BAKELITE PLUG-IN COIL KIT



1 1/2" diam., 2 1/4" high. Space wound on compact Bakelite forms. Designed for use with .00014 mfd. condenser. Provided with rims for easy handling.

4-Prong—2 Windings	W10040—Kit of 4 coils covering 16-217 meters.	<b>87¢</b>
Your Cost	W10041—Broadcast coils. Two coils, 190-550 meters.	<b>55¢</b>
Your Cost	W10039—Ultra s.w. coil. 9.5 to 21 meters.	<b>35¢</b>
Your Cost		

### TUBE BASE SHORT-WAVE COILS



Wound on Bakelite tube bases with 4 prongs; fit standard sockets. Highly efficient on all waves from 16 to 225 meters. Tunes with either .00014 or .00015 mfd. condenser. Wound with enameled wire and impregnated to avoid loosening. These coils are highly efficient in spite of their unusually small size and are ideally suited for portables, etc.

W9981—Set of four coils **Your Cost, Special... 45¢**

### BAND SPREAD COILS

Provided with adjustable band setting condensers mounted on top of each coil. For use with 140 or 150 mmfd. tuning condensers. Forms have 6-prong bases and will fit any standard 6-prong socket. Can be used with any short-wave receiver designed for this type of inductor, such as the Band-Spread Monitor. (See page 83).



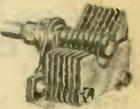
Stock No.	Band Meters	Stock No.	Band Meters	Your Cost Each, Any Type
W9973	19	W9977	40	<b>48¢</b>
W9974	20	W9978	49	
W9975	25	W9979	80	
W9976	31	W9980	160	

### 6-Prongs—3 Windings

W10042—Kit of 4 coils covering 16-217 meters. **Your Cost... \$1.35**  
W10043—Broadcast coils. Two coils, 190-550 meters. **Your Cost... 85¢**  
W10044—Ultra s.w. coil. 9.5 to 21 meters. **Your Cost... 38¢**

### Truest MIDGETS

Low-loss, strong and compact; has non-corrosive aluminum plates with Bakelite insulation. For single-hole mounting. Each unit complete with mounting nuts. Has brass 1/4" shaft. The ideal unit for use in short-wave receivers and transmitters of low power. In addition to their use in receivers, they also find innumerable uses about the shop in test-instruments, experimental work, etc.



Stock No.	Cap.	Mmfd.	Plates	Your Cost
W9724	3	15	3	35¢
W9728	4	30	5	38¢
W9729	5	40	7	40¢
W9731	6	80	11	45¢
W9727	7	100	14	48¢
W9714	8	140	20	58¢
<b>Double-Spaced Condensers</b>				
W9706	4	35	10	58¢
W9707	5	50	16	68¢

# Super-Het & T.R.F. COILS

## Thutest HIGH GAIN I.F. UNITS

Highly efficient design for use where space is limited. Employs two-in-one trimmer on Isolantite base, adjustable from top of shield can. All leads are RMA color-coded for ease of installation. Size of aluminum shield can is  $1\frac{1}{2} \times 1\frac{1}{2} \times 3\frac{1}{2}$ " threaded lug mounting. Two bronze springs hold entire unit in the shield, thus facilitating easy removal for rapid servicing. Primary and secondary windings are single-pi wound. Individually packed in attractive carton.



Stock No.	Freq. Kc.	Range Kc.	Set Position
W10021	175	170-180	Input
W10015	175	170-180	Interstage
W10016	175	170-180	Output
W10017	262	250-265	Input
W10018	262	250-265	Interstage
W10025	262	250-265	Output
W10022	456	440-470	Input
W10027	456	440-470	Interstage
W10034	456	440-470	Output
W10024	456	440-470	Output C.T.
W10049	3000	2900-3100	1st or 2nd
W10050	3000	2900-3100	Output

Double-Tuned Iso-Trimmers

Your Cost Each

**69<sup>c</sup>**

## SHIELDED LITZ WOUND R.F. AND ANTENNA COILS

COVERS 175 TO 550 METERS

Will service over 90% of the receivers on the market. Have high-impedance primaries for screen-grid tubes, and Litz-wound secondaries. Completely shielded in round aluminum cans  $1\frac{1}{2}$ " diameter,  $2\frac{1}{4}$ " high. Wound for .000365 mfd. condensers. With diagrams. Two 6-32 spade bolts for mounting. Are of the high-gain, four-bank type—the most efficient coil design. Lug terminals.

W10077—Antenna Coil.  
W10085—R.F. Coil.  
Your Cost, Either Type

**31<sup>c</sup>**

### 5-TUBE KIT

W10073—Comprises one antenna and two r.f. coils with complete instructions and diagrams for a 5-tube receiver.  
Your Cost

**90<sup>c</sup>**

### 4-TUBE KIT

W10071—Comprises one antenna and one r.f. coil with complete instructions and diagrams for a 4-tube receiver.  
Your Cost

**61<sup>c</sup>**

### Litz-Wound AC-DC Coils

175-550 Meters Matched high-gain coils furnished unshielded for use in 4-tube t.r.f. receivers. High impedance primaries with 4-bank Litz-wound secondaries.  $2\frac{1}{4}$ " long,  $\frac{3}{8}$ " diameter. Tunes with .000365 mfd. condenser. Furnished with mounting brackets and diagrams.

W10012—Antenna coil.  
W10095—R.F. Coil.  
Your Cost Each  
W10096—Kit of 2.  
Your Cost

**32<sup>c</sup>**  
**63<sup>c</sup>**

### PENTAGRID (2A7) OSCILLATOR COIL

Unshielded type made for use with .000365 mfd. condenser; thoroughly impregnated. Shielded type is  $1\frac{1}{4}$ " high,  $1\frac{1}{8}$ " diam. Tunes with .000365 mfd. condenser. These coils can be used with any i.f. transformers and any r.f. and antenna coils.



No. Shielded Kc. Fadder Mmfd. No. Unshielded

W10029 175 900 W10028  
W10031 456 350 W10030

Net Each Shielded **44<sup>c</sup>**  
Net Each Unshielded **35<sup>c</sup>**

### PRESELECTOR COIL

3 windings; primary and 2 secondaries. Bandpass unit tunes with a .000365 mfd. condenser. Can be added to any set, needs no extra tube. With full instructions.  
W10275  
Your Cost

**68<sup>c</sup>**

### IRON-CORE ANTENNA AND R.F. COILS

The last word in coil efficiency. Will improve any set due to the increased selectivity and higher gain obtainable. Completely shielded in aluminum can  $1\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{4}$ ". Antenna coil in two sizes—for standard aerial and auto type. (The conventional and large auto antennas take the high-impedance antenna coil.) Tune with standard .000365 mfd. condenser. Furnished with complete instructions and suggested circuit changes.



Stock No. Type Imped. Each  
W10276 Ant. High **85<sup>c</sup>**  
W10277 Ant. Low  
W10278 R.F. High

### Hi-Gain Iron-Core Transformers



Uses new Ferrocart core which improves selectivity, doubles gain, increases signals and lowers set noise. Core of fine particles of pure soft iron insulated from each other. All double tuned from top; trimmers have Isolantite base. Leads are RMA color-coded. Aluminum shield can measures  $1\frac{1}{2} \times 1\frac{1}{2} \times 3\frac{1}{2}$ ". Equipped with threaded mounting lugs. Each unit individually boxed and furnished with complete instructions for easy installation.

Stock No.	Freq. Kc.	Set Position
W9690	175	Input
W9697	175	Interstage
W9688	175	Output
W9689	456	Input
W9698	456	Interstage
W9687	456	Output

Your Cost Per Unit, Any Type **\$1.15**

### MEISSNER AIR-TUNED I.F. TRANSFORMERS

A new line of i.f.'s using a new air-tuned condenser—permits 3000° of micrometer adjustment easily and accurately. Not affected by dust, shock, changes in temperature or humidity; adjustable from top of can. Shield can is  $2 \times 2 \times 1\frac{1}{2}$ ". Connections brought out at bottom as lugs.

### Iron-Core Or Air-Core

Available in air-core types and Ferrocart (iron-core) models. The iron-core units have a core of fine particles of pure, soft iron insulated from each other. They offer greater selectivity and considerably higher gain. These units offer improved reception and stable operation over a long period of time. Each unit is furnished with complete installation instructions.

Iron-Core No.	Freq. Kc.	Type	Air-Core No.
W10261	175	Input	W10268
W10262	175	Inter.	W10269
W10263	175	Out.	W10270
W10264	456	Input	W10271
W10265	456	Inter.	W10272
W10266	456	Out.	W10273
W10267	456	Out. CT	W10274

Iron Core Each **\$2.65** Air Core Each **\$2.21**

### THREE-PI I.F. TRANSFORMERS



Double-tuned units; mica trimmers mounted on Isolantite base. Highly efficient three-pi windings give increased selectivity with greater fidelity. (Because of a tendency toward instability, 3-pi i.f.'s are not used in amplifiers requiring three stages.) Can is  $1\frac{1}{2} \times 1\frac{1}{2} \times 3\frac{1}{2}$ ".

RMA color-coded unit. Complete with instructions.  
W9968—456 kc. input unit.  
W9991—456 kc. output unit.  
Your Cost Each, Either Type **79<sup>c</sup>**

### Triple-Tuned I.F.'s

Provides high-fidelity reception with increased selectivity and greater sensitivity. Flat top reception over entire audio range. Isolantite base trimmers. Can is  $2 \times 2 \times 5\frac{1}{2}$ ". Color coded leads and spade bolt mounting. With full instructions.  
W9998—456 kc. input transf.  
W9999—456 kc. output transf.  
Your Cost Each, Either Type **\$1.28**



### Composite Oscillator And I.F. Transformer

Used as combination oscillator and 1st i.f. Eliminates one tube. Top tuning. No padding necessary—made for special tracking oscillator section of .00036 mfd. condensers. Contained in aluminum shield can  $3 \times 2 \times 2\frac{1}{2}$ " square. Shpg. wt. 3 lbs.

W9997—175 kc. W10013—456 kc.  
Your Cost Each, Either Type **\$1.08**

### Jr. Trimmers

Ceramic base; adjustable from either side; uses finest mica; mounts anywhere.

Stock No.	Range Mmfd.	No. Plates	Your Cost
W9767	10-70	2	16 <sup>c</sup>
W9768	30-180	3	19 <sup>c</sup>
W9769	80-300	4	22 <sup>c</sup>
W9770	120-475	5	24 <sup>c</sup>
W9779	550-1125	7	42 <sup>c</sup>

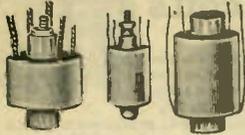


Mail Your Orders to NEW YORK, CHICAGO or ATLANTA



# REPLACEMENT I.F. Coils and R.F. Chokes

## MAJESTIC I. F. COILS ONLY



Exact duplicate replacement i.f. coils for Majestic receivers. All accurately wound on treated paper tubing and thoroughly impregnated. Coils are supplied less cans and trimmers. Receiver must be realigned after new coil is installed. For listing of replacement Majestic Coils with shield cans and trimmers, see tabulation at right.

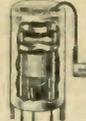
Stock No.	Maj. No.	Model and Stage	Your Cost
W8440	4428	15, 15B, 150 (I.F.-Osc.)	\$0.35
W8441	8384	15, 15B, 150 (2nd)	.40
W8443	5326	25 (1st)	.48
W8444	5327	25 (2nd)	.48
W8445	5601	25B (1st)	.40
W8446	5602	25B (2nd)	.48
W8447	5505	55 (1st)	.40
W8448	10589	66 (1st)	.40
W8449	10591	66 (2nd)	.40
W8354	9355	116 (1st)	.40
W8450	8361	116 (2nd)	.40
W8451	8250	200 (1st)	.40
W8452	8254	200 (2nd)	.48
W8453	6119	210 (1st)	.40
W8454	6123	210 (2nd)	.40
W8455	6127	210 (3rd)	.40
W8355	7205	290, 300 (1st)	.40
W8356	7230	290, 300 (2nd)	.48
W8456	7821	310A, 310B, 330, 390 (1st)	.40
W8457	7812	310A, 310B, 330, 390 (2nd)	.42
W8458	9094	360 (2nd)	.40
W8459	9669	400 (1st)	.40
W8460	10149	460 (1st)	.40
W2452	10253	460 (2nd)	.45
W2452	11014	800 (2nd)	.45
W8462	10843	500 (1st)	.40

W8463—Part No. 7187. Primary coil used in models 290, 300, 310, 330, 460, 520, 800. **Your Cost 41¢**

## EXACT DUPLICATE REPLACEMENT I. F. TRANSFORMERS



Exact duplicate replacement intermediate frequency transformers for standard radio receivers. All complete in shield cans, with trimmers. No changes necessary to install. Made of high quality material—will give lasting, satisfactory service.



Stock No.	Make and Model	Stage	Mfr's. No.	Cost Each
W2493	Apex 24 (400 chassis)	I.F.-Osc.		\$1.70
BR2226	Brunswick 11, 12, 16, 33	1st*	6035	1.35
BR315	Brunswick 17, 24, 25	1st	6033	.90
W2495	Belmont C119, 50C, 51C	I.F.-Osc.		1.42
(CLARION coils on page 119)				
W2478	Crosley 122, 123, 124, 125, 126 (untuned)			.42
W2479	Crosley 122, 123, 124, 125, 126.	2nd	22603	.42
W2489	Majestic 15, 15B, 150	2nd	4429	.85
W2491	Majestic 15, 15B, 150	I.F.-Osc.	4428	1.35
W2496	Majestic 20	1st	3908	1.42
W2497	Majestic 20	2nd	3960	1.69
W2303	Majestic 25	1st	5328	.99
W2304	Majestic 25	2nd	5337	.99
W2318	Majestic 25B	1st	5601	1.09
W2319	Majestic 25B	2nd	5602	1.09
W2317	Majestic 55	I.F.-Osc.	5606	1.57
W2498	Majestic 60	1st	4439	1.69
W2499	Majestic 60	2nd	4267	1.69
W2324	Majestic 200	1st	6250	1.09
W2325	Majestic 200	2nd	6254	1.09
W2332	Majestic 290, 300	1st	7205	.99
W2333	Majestic 290, 300	2nd	7230	1.09
W2415	Majestic 310A	1st	7821	.85
W2451	Majestic 460	1st	10149	.85
W10221	Majestic 500	1st	10843	1.25
W10222	Majestic 500	2nd	11705	1.09
W10223	Majestic 500	3rd	10852	2.24
W2415	Majestic 800	1st	8995	.85
W2580	RCA-Victor 80, 82, 83	1st	8567	1.26
W2581	RCA-Victor 80, 82, 83	2nd	8565	1.26
W2582	RCA-Victor 80, 82, 86	3rd	8566	1.26
W2583	RCA-Victor RE-20, R50, R-55, RAE-59	1st	7281	1.20
W2584	RCA-Victor RE-20, R50, R-55, RAE-59	2nd	7282	1.44
W2585	RCA-Victor RE-20, R50, R-55, RAE-59	3rd	7283	1.95
W2586	RCA-Victor R4, R6, R7, R7A, R9, RE-16A	1st	2991	1.22
W2587	RCA-Victor R4, R6, R7, R7A, R9, RE-16A	2nd	2992	1.32
W2588	RCA-Victor R11, RE-18, R21, RAE-26, RE-18	1st	7266	1.32
W2589	RCA-Victor R11, RE-18, R21, RAE-26, RE-18	2nd	7267	1.20
W2590	RCA-Victor R8, R10, R12, RE-19	1st	7340	1.20
W2591	RCA-Victor R8, R10, R12, RE-19	2nd	7341	1.20

\*For models with automatic volume control.

## Align-Aire Trimmers



Compression Type

New compression type, air dielectric. In low loss containers; lug terminals. No "drift." Easy to use.

Stock No.	Cap. Mmfd.	Size Inches	Your Cost
W9740	1-12	1/2x1 1/2"	\$0.29
W9741	3-25	3/4x1 1/2"	.35
W9742	25-50	1x1 1/2"	.44
W9743	55-110	1x1 1/2"	.73

## COIL REPAIRS

We can repair any defective coil so that it will be exactly the same as the original unit. Send defective coil and all available information (make and model number, type and number of tubes, number of sections in variable condenser, etc.). All repairs are fully guaranteed.

### Repair Price List

R.F., Ant., and single section I.F. coils	\$1.45
Double section I.F. coils	\$1.75
Composite coils (oscillator and i.f. combined)	\$1.95
(For new shields add 29c)	

## RADIOLA DUPLICATE I. F. COILS



Exact duplicates of the original, both physically and electrically. Coils only, less shielding cans.

Stock No.	Models and Stage of I.F.	Your Cost
W2503	80, 82, 86, RAE-68 (1st)	1.20
W2504	80, 82, 86, RAE-68 (2nd)	1.22
W2505	80, 82, 86, RAE-68 (3rd)	1.32
W2508	60, 62, 64 (all)	1.32
W2509	R4, R5, R6, R7, R7A, R9, RE-16, RE-16A (1st)	1.20
W2510	R4, R5, R6, R7, R7A, R9, RE-16, RE-16A (2nd)	1.20

Your Cost Each, **Any Type 57¢**

## MEISSNER Iron Core R. F. Chokes

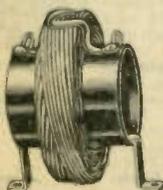


### R. F. Chokes

Iron core Ferro-cast choke coils, because of the greater "Q", increase the gain and selectivity of receivers. Have lower distributed capacitance. Complete with brass mounting, bolt and nut.

Stock No.	Millihen.	Your Cost
W9667	2.5	35c
W9666	5.5	38c
W9665	10	44c
W9664	30	50c
W9693	80	67c
W9663	125	88c

## LINE FILTER CHOKES



Duo-lateral wound filter chokes designed for maximum filter efficiency. May be used with receivers, transmitters, rotators, vibrating equipment, motors, and wherever it is desired to eliminate high frequency disturbances. With mounting brackets.

Stock No.	Cap. Amps.	Your Cost
W1011	5	\$0.59
W1012	5	1.47
W10113	10	1.91
W10115	20	2.35

## SHIELDED AND UNSHIELDED R. F. CHOKES



Unshielded chokes are lattice wound on insulated cores and have lug terminals. Shielded chokes are housed in cans and have leads that can be brought out from top or bottom. Size of can: 1 1/4" diameter by 1" high.



### Unshielded Chokes

Stock No.	Millihen.	Your Cost
W10133	2.5	14c
W10099	6	20c
W10100	8	27c
W10101	16	38c
W10134	30	
W10135	60	
W10136	80	

### Shielded Chokes

Stock No.	Millihen.	Your Cost
W10240	2.5	26c
W10241	6	29c
W10242	8	42c
W10243	16	42c
W10244	30	47c
W10245	60	
W10246	80	

## Antenna Coil

### Primary Windings

Designed to replace defective or burned-out antenna coil primaries. Will fit over the old coil. Can be moved back and forth to provide any desired coupling—gain can be increased or decreased. All high impedance. Furnished with insulated leads for direct connections. Tinned ends.



W10116	For 1 1/4" O.D. coils	
W10117	For 1" O.D. coils	
W10118	For 3/4" O.D. coils	
W10119	For 1/2" O.D. coils	
Your Cost Each,		15c
Any Type		

## Pie-Wound R. F. Chokes



For use in all types of high frequency receivers and in low power transmitters. Consist of a continuous four pie winding on a genuine Ceramite spool. Extremely low distributed capacity.

Stock No.	Millihen.	Your Cost
W10142	2.5	\$0.29
W10143	5.5	.38
W10144	10	.45
W10149	60	.48

## MOUNTED CHOKES

Lattice wound on bakelite bobbins and provided with soldering lugs. Extremely low distributed capacity. In sizes shown below.



Stock No.	Millihen.	Your Cost
W10105	2.2	14c
W10102	5.5	25c
W10104	6	28c
W10001	8	38c
W10000	60	

## "Crolite" R. F. Chokes

Wound on a new and highly efficient insulating material known as Crolite. Low distributed capacity. Solder lug terminals.

Stock No.	Millihen.	Your Cost
W10138	2.5	22c
W10139	5	25c
W10140	10	33c
W10141	25	

## COLUMBIA RF Choke

Especially designed replacement for the Columbia Screen Grid 8 receiver. Fibre form with lug terminals.



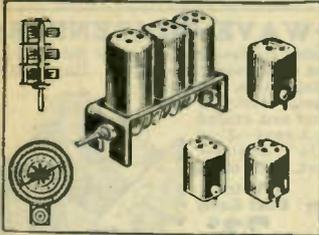
W10145	Your Cost Each	35c
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# Meissner "Build-Your-Own" KITS

**M**ANY years of experience in the design of "build-it-yourself" radios has enabled the Meissner Company to avoid the pitfalls of complicated construction which ordinarily baffle the home-set builder. Not only have the accompanying instruction sheets been simplified and prepared in greater detail, but complete lists of all additional parts necessary to build the receivers from "A to Z" are included. These additional parts will all be found in this catalog; another convenience for builders. In addition, in the case of the all-wave receiver, the tuning assembly comes to you already wired with coils, condensers and trimmers, and the band-changing switch, completely and accurately balanced and adjusted at the factory. No complicated test apparatus or meters required. Formerly, this business of balanc-

ing and aligning the receiver after it was built was the "bugaboo" of the all-wave set constructor. Now, with all-wave kits, it is done for you, at the factory. Furthermore, all kits (except the 2-tube kits) include a calibrated dial which is matched with its respective variable condenser and coils so that it will read all stations properly. Some of the Meissner kits listed on this page include Ferrocart (iron-core) r.f. and i.f. coils. These units, by virtue of their very low r.f. resistance impart to the receiver, greater gain and considerably sharper selectivity resulting in reduced adjacent channel and image interference. All coils, condensers and i.f. transformers are accurately matched to each other to assure the absence of "birdies" and to assure overall excellent performance of the completed receivers.

## MEISSNER All-Wave "8"



### 4-BAND TUNER 15 TO 550 METERS Ferrocart (Iron-Core) I. F. Transformers Completely Balanced

Here is an excellent "build-it-yourself" receiver for the amateur and short-wave broadcast fan. It covers the 20, 40, 80 and 160-meter ham bands as well as all police, commercial and European and American short-wave broadcast stations. Tuning ease

is improved considerably by the use of mechanical band spread on a high-ratio vernier airplane dial. The complete set of simple and detailed instructions and layouts which accompany this kit will enable you to construct a modern four-band, metal-tube superheterodyne receiver incorporating all the latest developments in radio; and there is no fussing or bothering with alignments and adjustments for the tuning assembly comes to you already wired. All the coils, condensers and trimmers, and the band-changing switch are mounted, wired, accurately balanced and adjusted at the factory.

Here are some of the fine features of the set:

Four bands—continuous—15 to 550 meters; eight all-metal tubes; high-Q Ferrocart (iron-core) i.f. units; beat-frequency oscillator with cut-out switch; automatic volume control with cut-out switch; sensitivity control; tone control, etc. The Ferrocart (iron-core) i.f. impart to the receiver greater gain and considerably sharp selectivity; two important factors which are very vital to an all-wave receiver. As a result, adjacent channel and image interference are reduced to a minimum.

The complete kit includes:

Coil and switch assembly; three-gang variable tuning condenser; five-inch, two-speed calibrated aeroplane dial; beat frequency oscillator coil; Ferrocart input i.f. unit; Ferrocart output i.f. unit; Complete instructions and prints. Shpg. wt. 4 lbs.

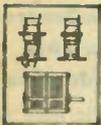
W10287—Complete coil kit and plans.

Your Cost **\$14.70**

W10238—Wired and balanced tuning unit only; comprising ant., r.f., and osc. coils, fixed condensers and trimmers and band-change switch. Shpg. wt. 2 lbs.

Your Cost **\$7.94**

## POPULAR 2-TUBE BEGINNERS' KITS AC-DC B'cast Model

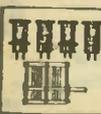


These coil kits have been specially designed for the beginner in set construction. Simple but efficient circuits and simplified plans that are easy to follow. This particular

kit can be used for the Popular Mechanic's famous No. R211 receiver. All components are perfectly matched to each other and therefore if wired correctly, the set will work "right off the bat." Kit comprises pair of matched coils and tuning condenser. Shpg. wt. 3 lbs.

W10292—Coil kit and plans.  
Your Cost **\$2.06**

## AC-DC All Wave Model



Uses dual-purpose tubes—equal to 4 tube set. Kit comprises 2 sets of plug-in coils (100-670 meters) and 2-gang tuning condenser. An excellent set for the beginner.

Covers police, amateur radiophone, television impulses, aircraft, ships, commercial, etc. Complete with detailed plans. Shpg. wt. 3 lbs.

W10293—Coil kit and plans.  
Your Cost **\$2.65**

## 4 and 5 Tube AC-DC Midget Sets T. R. F. Circuit



These receivers are exact duplicates of popular modern sets. Complete with all plans.

The 4-Tube Kit Comprises:

Shielded antenna and r.f. coils (one each); two-gang tuning condenser; two square escutcheon plates (tuning and volume). Shpg. wt. 2 lbs.

W10294—4 tube coil kit, with plans.  
Your Cost **\$2.06**

The 5-Tube Kit Comprises:

Same components as above, except that an extra r.f. coil is included. A three-gang condenser is used instead of 2-gang. Shpg. wt. 2 lbs.

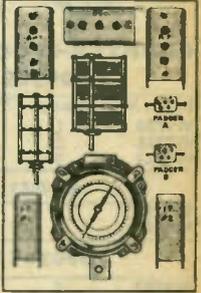
W10295—5 tube coil kit, with plans.  
Your Cost **\$2.94**

## SIX TUBE A. C. SUPER-HETS

Police and Broadcast Model "6"  
2 Bands—80-190; 175-550 Meters

For those who desire an occasional watch on the short-wave broadcast, police and amateur bands. A complete coil kit for building a modern receiver with excellent sensitivity and tuning characteristics. Efficient Ferrocart (iron-core) i.f. units are employed. The kit contains 2-band ant., r.f., and oscillator, padding condensers, two intermediate-frequency transformers, three-gang tuning condenser, band change switch and a 4" calibrated airplane dial. Completely aligned at the factory, and furnished with comprehensive plans and instructions. Shpg. wt. 3 lbs.

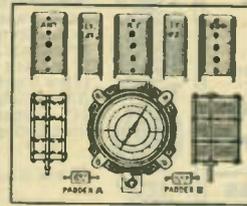
W10290—Complete.  
Your Cost **\$9.12**



## BROADCAST MODEL "6" KIT

Covers 175 to 550 Meters. For the home-builder who is interested only in the broadcast band. Complete kit comprises shielded antenna coil, shielded r.f. coil, shielded oscillator, padding condenser, two Ferrocart (iron-core) i.f. transformers, three-gang tuning condenser and a four-inch calibrated airplane dial. The completed receiver employs six tubes, and is a marvel of selectivity and sensitivity. With complete plans. Shipping weight 2 lbs.

W10289—Your Cost Complete **\$6.61**



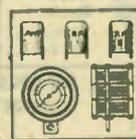
## Short-Wave and B'cast Model "6"

2 Bands; 15-55 and 175 to 550 Meters

Build this modern dual-wave, 6-tube superheterodyne receiver. Kit consists of 2-band ant., r.f., and osc. coils; Ferrocart (iron-core) i.f. units; 3-gang tuning condenser; padders; band-change switch 4" calibrated aeroplane dial and complete instructions. Shpg. wt. 3 lbs.

W10291—Coil kit and plans.  
Your Cost **\$9.12**

## 4 and 5 Tube Stand- ard A. C. Models T. R. F. Circuit



Patterned after standard 110-volt a.c. sets. Kits complete with detailed instructions.

The 4-Tube Kit Comprises:

Shielded antenna and r.f. Coils (one of each); two-gang tuning condenser

and 3" calibrated aeroplane dial.

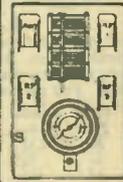
W10296—4 tube coil kit, with plans.  
Your Cost **\$2.85**

The 5-Tube Kit Comprises:

Same as above, except that an extra r.f. coil is included and a three-gang condenser is used. Wt. 3 lbs.

W10297—5 tube kit, with plans.  
Your Cost **\$3.67**

## Ferrocart (Iron-Core) T. R. F. Coil Kits



5 and 6 Tubes Ferrocart (iron-core) antenna and r.f. coils increase the gain and selectivity.

The 5-Tube Kit Comprises:

1 Ferrocart Ant. coil; 2-Ferrocart r.f. coils; three-gang condenser and 3" calibrated aeroplane dial. With plans.

W10298—5 tube kit, with plans.  
Your Cost **\$5.20**

The 6-Tube Kit Comprises:

Same as above, except that an extra r.f. coil is added and a 4-gang condenser is used. Shpg. wt. 3 lbs.

W10299—6-tube kit with plans.  
Your Cost **\$6.44**

## NEW! Lamb "QST" Noise Silencer

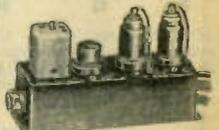
Operates with any superhet of 2 i.f. stages or more. Uses 3 tubes; 6J7, 6L7, 6H6. Kit form or wired. Size, 8x2x4 1/2" high. Completely mounted on an all-metal chassis—attractively finished.

I.F. (kc)	Wired No.	Your Cost	Kit No.	Your Cost
175	W12698	\$5.00	W12687	\$3.50
456	W12699	5.00	W12686	3.50
Kit of RCA tubes				2.70

## DeLuxe Model

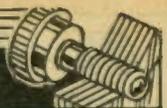
Has additional 6J7 tube. Can be used with any superhet. set regardless of number of i.f. stages. Size, 9 1/4" x 3 3/8" x 5 1/2". On all-metal chassis.

I.F. (kc)	Wired No.	Your Cost	Kit No.	Your Cost
175	W12702	\$6.70	W12700	\$4.70
456	W12703	6.70	W12701	4.70
Kit of RCA tubes				3.65

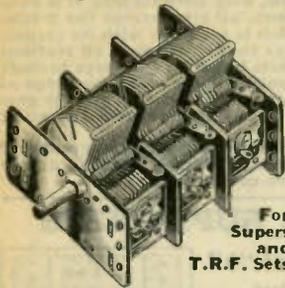


These units follow the original circuit designed by James Lamb, technical editor of "QST."

# Variable Condensers and Knobs



## Trustest GANG CONDENSERS



For Supers and T.R.F. Sets

Compact, correctly designed variable condensers for t.r.f. and superhet circuits. All feature heavy aluminum plates, ball bearing rotors and Bakelite insulation. All have low-loss end plates. Two- and three-gang units supplied with trimmers on the side. All have 1/4" diameter, 1 1/4" long shafts; each furnished with a split bushing for 3/4" dials. All types available with clockwise and counter clockwise rotation. Size: 1 1/2" high, 3 3/4" wide. 1-gang condensers are 1 1/4" long; 2-gang condensers are 2 1/2" long; 3-gang condensers are 3 3/4" long. Average shipping weight 2 lbs.

### COUNTER-CLOCKWISE

### CLOCKWISE

#### .000365 Mfd. For T. R. F. Circuits

Stock No.	Gangs	Your Cost	Stock No.	Gangs	Your Cost
W9710	1	\$0.75	W9720	1	\$0.75
W9711	2	.84	W9721	2	.84
W9712	3	1.23	W9722	3	1.23

#### .00041 Mfd. For T. R. F. Circuits

Stock No.	Gangs	Your Cost	Stock No.	Gangs	Your Cost
W9732	2	.84	W9734	2	.84
W9733	3	1.23	W9735	3	1.23

#### .000365 Mfd. For 175 Kc. Superhets

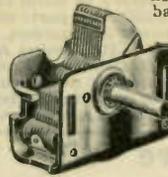
Stock No.	Gangs	Your Cost	Stock No.	Gangs	Your Cost
W9792	2	.84	W9794	2	.84
W9793	3	1.23	W9795	3	1.23

#### .000365 Mfd. For 456 Kc. Superhets

Stock No.	Gangs	Your Cost	Stock No.	Gangs	Your Cost
W9798	2	.84	W9796	2	.84
W9799	3	1.23	W9797	3	1.23

## COMPACT SINGLE CONDENSERS

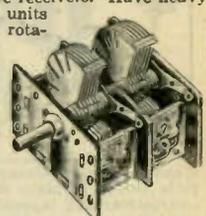
Exceptionally compact single gang variable condensers for both superheterodyne and tuned radio frequency receivers, short-wave and broadcast type. Also used in various types of test instruments. All have heavy aluminum plates with brass supports. All have ball bearing rotors. Shafts extend 1 1/4" and are 1/4" in diameter. Overall dimensions: 1 1/4" high, 1 1/2" wide and 2 1/4" long. No trimmer condensers included. All types shown in the listing have counter-clockwise rotation. Offered at new low prices. Shipping weight 1 lb. each.



Stock No.	Cap. Mfd.	Your Cost Each
W9762	.0001	<b>56¢</b>
W9763	.00014	
W9764	.00025	
W9765	.000365	

## Trustest SHORT-WAVE CONDENSERS

Single and multiple gang variable condensers of the low shield type. Designed for use with all types of short-wave receivers. Have heavy aluminum plates and ball bearing rotors. All units shown in the listing have counter-clockwise rotation. Shaft are 1/4" in diameter and extend 1 1/4" from panel. Size of units: 1-gang—3 3/4" x 1 1/2" x 1 1/2"; 2-gang—3 3/4" x 1 1/2" x 2 1/2"; 3-gang—3 3/4" x 2 1/2" x 1 1/2". Average shpg. wt. 2 lbs. each. Supplied with trimmers.



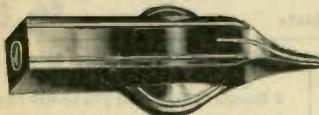
Stock No.	Cap. Mfd.	Gangs	Your Cost Each
W9716	.00015	1	<b>72¢</b>
W9717	.00025	1	
W9718	.0001	2	<b>85¢</b>
W9719	.00015	2	
W9766	.00014	3	<b>\$1.32</b>

## FLEXIBLE 1/4" SHAFT COUPLER

For coupling two 1/4" condenser shafts or extending a shaft at an offset angle. Insulated.  
W9751—Fibre. Your Cost Each **21¢**  
W9750—Insulex. Your Cost Each **36¢**



## BAKELITE BAR KNOBS



Highly polished Bakelite knobs with arrow pointers. For 1/4" shafts; set screw type.  
W13055—2 1/2" long, 3/4" skirt. 1 1/2" rad. 10 for 80c. Your Cost Each **9¢**  
W13053—1 1/2" long, 3/4" skirt. 3/8" rad. 10 for 63c. Your Cost Each **7¢**

## POPULAR BAKELITE KNOBS

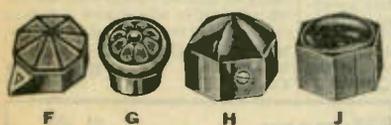


These popular, handsome knobs are made of molded Bakelite. Available in plain and pointer types as shown in the illustrations. All have steel set screws and are designed to fit 1/4" shafts. For all purposes.

plain and pointer types as shown in the illustrations. All have steel set screws and are designed to fit 1/4" shafts. For all purposes.

Stock No.	Type	Diam. In.	Your Cost Each
W9653	K	1 1/2"	8c
W9654	L	1 1/2"	7c
W9657	M	1 1/2"	6c
W9658	M	1 1/2"	7c
W9659	M	1"	8c
W9656	N	1 1/2"	7c
W9885	O	1 1/2"	6c
W9886	O	1 1/2"	5c

## MODERN BAKELITE KNOBS



Similar construction to those listed above. Have attractive modernistic designs. Of molded Bakelite, with inserts for 1/4" shafts; set screw type. Type F is especially designed for use with midget receivers; the other types for general, all-purpose use.

Stock No.	Type	Diam. Inches	Your Cost Each
W9660	F	1 1/2"	<b>6¢</b>
W9652	G	1 1/2"	
W9691	H	1 1/2"	
W9692	J	1 1/2"	

## MODERN STYLE WOOD RADIO KNOBS

A complete selection of beautiful wood radio knobs for all types of receivers, test instruments, etc. All have brass inserts that insure perfect alignment. Steel set screws grip firmly. All for 1/4" shafts. Type C is black with a chromium inlay; types A and E are two-toned wood. All available in two sizes: 1 1/4" or 3/4" diameter. Select type desired from listing below:



Stock No.	Type No.	Stock No.
W9942	A	W9947
W9943	B	W9948
W9944	C	W9951
W9945	D	W9950
W9946	E	W9949

All 1 1/4" Knobs	All 3/4" Knobs
Your Cost Each <b>9¢</b>	Your Cost Each <b>8¢</b>
10 for... 75c	10 for... 70c
100 for... \$7.20	100 for... \$6.80

## STANDARD PILOT LIGHT SOCKETS



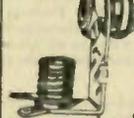
Sockets for all requirements. All for miniature base pilot bulbs. Sturdily constructed; plated metal. Type A is the adjustable bracket type; type B rubber grommet type; C is the up-clip type; D is the down-clip type; E is the bayonet type.

Stock No.	Type	Your Cost Each
W6510	Type A	<b>5¢</b>
W6511	Type B	
W6512	Type C	
W6513	Type D	
W6514	Type E	

Extremely compact trimmers mounted on Bakelite strips. Ideal for use in short wave sets. Solder lug terminals. Capacity range 3 to 30 mfd.

W9775—You	Cost Each
	<b>6¢</b>
Same as above, but two trimmers on a single Bakelite strip. Range 3-30 mfd. each.	<b>14¢</b>

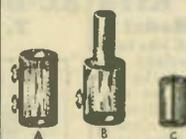
## JEWELLED PILOT LIGHT BRACKETS



Excellent indicators for all types of circuits.  
W6432—Red W6433—Green  
W6434—Amber  
Your Cost Each **15¢**

W6426—Red	W6427—Green	Your Cost Each
		<b>20¢</b>
W6429—Red	W6430—Green	<b>10¢</b>
W6431—Amber		

## SHAFT COUPLINGS, BUSHINGS, FITTINGS AND SHAFING



For Dials, Volume Controls, Variable Condensers

Couplings for connecting two or more condensers, rheostats, switches, etc. in tandem. Extenders for lengthening shafts of same. All accurately machined to exact size as specified. 6-32 machine screws used on all couplings and extenders. All types available in brass or insulating material.

Size Inches	Fig. No.	Purpose	Stock No.	Brass
1/4 x 1/4	A	Coupling	W15014	W15000
3/8 x 3/8	A	Coupling	W15006	W15001
1/2 x 3/8	A	Coupling	W15008	W15002
3/8 x 1/2	B	Extender	W15017	W15004
1/2 x 3/8	B	Extender	W15018	W15005
3/8 x 1/2	B	Extender	W15009	W15003
10 for			83c	
100 for			\$8.15	

## SPLIT BUSHING

Fig. C. For increasing shaft diam. from 1/4" to 3/8". Brass, 3/8" long.  
10 for... **35c**  
W9730—Your Cost Each **5¢**

## FIBRE AND BRASS SHAFING

Full length, and straight, 1/4" diameter.  
W15010—Brass 6" long. Your Cost... **10c**  
W15011—Fibre 6" long. Your Cost... **14c**  
W15012—Brass 12" long. Your Cost... **14c**  
W15013—Fibre 12" long. Your Cost... **19c**



# DIALS



## NEW TWO-SPEED "BAND-SPREAD" AIRPLANE DIAL



No finer dial could be desired for short-wave receivers—has both a dual pointer and a "second-hand." The band spread ratio is 36 to 1, making hair-line tuning a comparatively simple procedure. In addition to the band-spread feature, this dial has a two-speed tuning control. Normal dial to condenser ratio is 24 to 1; slow speed ratio is 125 to 1. Diameter 3 1/2". For both 1/4" and 3/8" condenser shafts. Furnished with 2 pilot light sockets, bronze escutcheon plate and double knob. Clockwise rotation.

Shipping weight 2 lbs.  
W14221—Your Cost Each **\$2.25**

## SPECIAL AIRPLANE DIAL

A highly attractive full-vision airplane dial at an exceptionally low price. Has a 2 1/2" diameter dial protected by a glass lens. Ratio 5 to 1 in 360 degrees. Double edged pointer covers both scales; easy to read. Upper scale graduated from 550 to 1600 kc.; lower scale calibrated from 0 to 100. Takes 1/4" or 3/8" condenser shafts. Ideal for dual wave sets (combination short wave and broadcast). Comes complete with two pilot light sockets and a 3 1/2" bronze finished bezel. Available for either clockwise or counter-clockwise rotation. Shipping weight 1 lb.

W9912—Clockwise rotation  
W9911—Counter-clockwise rotation  
Your Cost Each, Either Type **56¢**



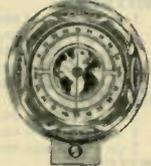
## CROWE 4-BAND AIRPLANE DIAL



An attractive, large sized airplane dial especially designed for use with all-wave receivers. Scale is calibrated in four bands as follows: 550-1600 kc. (broadcast), 1500-4000kc., 4-10 mc., and 9-23 mc. Double ended knife edge pointer covers all calibrations—easy to read. Scale diam. 4". Fits 1/4" and 3/8" condenser shafts. Knob shaft 1/4" diameter. Tuning ratio 7 to 1 in 180 degrees. Complete with bronze finished escutcheon 4 1/2" in diameter, in a neat design. Shpg. wt. 2 lbs.

W9879—Clockwise rotation  
W9880—Counter-clockwise rotation  
Your Cost, Either Type **\$1.75**

## Airplane Dials 6 to 1 Ratio



Improved type. Affords a ratio of 6 to 1 in 180°. Two scales on a translucent dial; upper scale calibrated from 0 to 100, and lower scale from 100 to 0. Knife edge pointer covers entire scale. For 1/4" and 3/8" shafts. Diameter of scale 3 1/2".

With escutcheon. Shpg. wt. 1 lb.  
W9818—Clockwise rotation  
W9819—Counter-clockwise rotation  
Your Cost, Either Type **98¢**

## PHOSPHOR BRONZE DIAL CABLE



Finest phosphor bronze cable. 42 strand type made up of individual strands wound over a linen core. Provides maximum strength with minimum of stretch. 16 strand cable is closely braided.

Stock No.	Strand No.	Feet	Your Cost	Stock No.	Strand No.	Feet	Your Cost
W9933	42	5	\$0.20	W9936	16	5	\$0.06
W9834	42	25	.74	W9937	16	25	.22
W9835	42	50	1.39	W9938	16	50	.36
W9872	42	100	2.50	W9881	16	100	.59

## LINEN DIAL CABLE

Finest black linen braided cord. Breaking strength 200 lbs. per ft.  
W9939—5 ft. **25¢**  
Your Cost  
W9940—25 ft. **88¢**  
Your Cost  
W9941—50 ft. **\$1.65**  
Your Cost  
W9882—100 ft. **\$2.90**  
Your Cost

## EXACT DUPLICATE DRIVE CABLES-BANDS-BELTS

Only the more popular types are shown. We can supply any cable, band or belt on order, at the lowest prices.

Make of Set	Model	Stock No.	Net
Atwater Kent	35, 37	W9822	\$0.15
Atwater Kent	44	W9823	.24
Atwater Kent	46	W9920	.15
Bosch	48A	W9826	.15
Boech	58, 60	W9828	.15
Brunswick	15, 22 Front	W9921	.24
Brunswick	15, 22 Rear	W9922	.24
Colonial	31, 32	W9833	.25
General Motors	All	W9923	.24
Kolster*	6J	W9844	.24
Kolster	43, 44	W9845	.30
Majestic No. 1	70, 71, 72	W9847	.12
Majestic No. 2	70, 71, 72	W9848	.09
Majestic	52, 60	W9925	.13
Philco	71	W9927	.13
Philco	91	W9928	.13
RCA	46, 64, 67	W9852	.18
RCA†	16, 17, 18, 33	W9853	.12
Sharp	All	W9854	.18
Steinite	All	W9855	.18

\* Heavy cord with heads on ends; springs.  
† Linen cord.

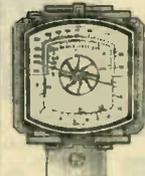
## AIRPLANE DIALS

Attractive globe design on dial face. Brown figures on buff colored dial. Positive friction drive—no backlash. Has two pilot bulb sockets. Bronze finished escutcheon. Fits both 1/4" and 3/8" shafts. Black double ended pointer. Scales calibrated 0-100 (upper) and 100-0 (lower). Shpg. wt. 2 lbs. Counter-Clockwise rotation.



Stock No.	Diam.	Ratio	Your Cost
W14150	2 1/2"	6 1/2 to 1	\$0.70
W14151	3 1/4"	8 1/2 to 1	1.19
W14152	3 3/4"	10 to 1	.79
W14153	4 1/4"	12 to 1	1.39

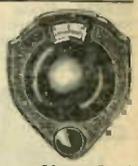
## Modern 3-Band Airplane Dial



This attractive modernistic dial will dress up any receiver. Scale supplied is calibrated for 3 bands, 550 to 1700 kc., 1.75 to 5 mc., 5 to 20 mc. Bands clearly marked and all scales easily and directly read. Ratio 12:1 in 180°, diameter 3 1/2". For use with both 3/8" and 1/2" condenser shafts. No necessity for special cabinet cutout—will fit standard 3 1/2" round opening. Has a positive friction drive that will not wear. Complete with bronze escutcheon. Shpg. wt. 1 lb.  
W9908—Clockwise rotation  
W9910—Counter-clockwise rotation  
Your Cost, Either Type **95¢**

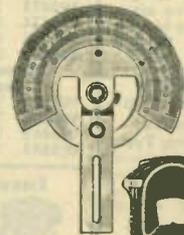
## Kurz-Kasch Dials

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 backlash. Fits 1/4" shaft. \*Indicates counter-clockwise rotation. Shpg. wt. 1 lb.



Stock No.	Calibration	Size	Your Cost Each
W9806	0-100-0	3"	<b>39¢</b>
W9803	200-0*	4"	<b>45¢</b>
W9804	0-200*	4"	
W9805	100-0-100	4"	

## FAN TYPE DIAL



Outside diameter dial 4". Fits 1/4" and 3/8" condenser shafts. Celluloid scale. Has pilot light socket. Escutcheon plate 2 3/4" high by 2 3/4". Shpg. wt. 1 1/2 lbs.



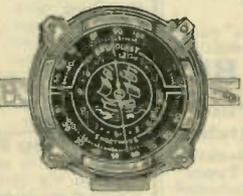
W9813—Clockwise, 0-100  
W9815—Counter-clockwise, 100-0  
Your Cost Each **45¢**  
W9814—Escutcheon plate only (extra).  
Your Cost Each **12¢**

All dials listed on this page, except the Kurz-Kasch, are supplied with a split bushing that permits their use with both 1/4" and 3/8" condenser shafts.

## NEW LARGE AIRPLANE DIALS

### Multi-Colored Dial Scales

Calibrated in 3 different colored bands. For 1/4" and 3/8" shafts. With two pilot light sockets and bronze finished escutcheon.



Counter clockwise rotation.  
4 1/2" Diameter Dial  
Calibrated: 55 to 160 (broadcast, add zero for kc. equivalent); 0 to 100 for short-waves; 1 to 12 special logging dial. Shpg. wt. 2 lbs.  
W9889—Your Cost Each **\$1.19**

6" Diameter Dial  
Calibrated: 550 to 1600 kc., 1700 to 5000 kc., 5.3 to 15 mc. Shpg. wt. 2 lbs.  
W9890—Your Cost Each **\$1.75**

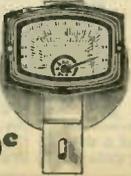
## "GIANT" AIRPLANE DIAL

Has 5" full-vision dial and double knife-edge pointer. Glass lens. Calibrated in 3 bands: 520-1600 kc., 1500-4600 kc.; 5.8-15.8 mc. Last scale also calibrated in meters and word descriptions. Ratio 5 1/2:1 in 180°. Has 1/4" shaft and positive friction grip drive. 2 pilot light sockets and 6" bronze escutcheon. Takes either 1/4" or 3/8" shafts. Shpg. wt. 2 lbs.  
W9906—Clockwise rotation  
W9907—Counter-clockwise rotation  
Your Cost, Either Type **\$1.49**



## MIDGET DIAL

Unbreakable lens; 1/4" shaft; takes 3/8" or 1/2" condenser; 2 bands: 530-1610 kc., 1.5-4.2 mc.; pilot lite socket; rectangular window 2 1/2 x 1 1/2"; with escutcheon; shpg. wt. 1 lb. clockwise rotation.  
W9905—Your Cost **69¢**



**We Will Not Knowingly Be Undersold**



# YAXLEY RADIO PRODUCTS

## YAXLEY Midget Jacks

Extremely compact. Mount in  $\frac{1}{8}$ " hole. Type A-1 "Infant" jack is not illustrated.

Stock Part No.	Type	Your Cost
W6182	A-1 Open Circuit	15c
W6183	A-2 Circuit Closing	23c
W6184	A-2A Two Circuit	29c
W6185	A-3A Cir. Reversing	35c



## YAXLEY Junior Jacks

Compact, extend only  $\frac{1}{8}$ " behind the panel. Heavily plated springs.

No.	Type	Your Cost
No. 701	Open Circuit	23c
W6450	Your Cost	23c
W6451	No. 702. Circuit closing.	32c
W6435	No. 702B. Three circuit microphone.	32c
W6452	Your Cost	38c
No. 703	Single circuit filament control.	38c
W6452	Your Cost	38c
No. 704	Interstage.	44c
W6453	Your Cost	44c
No. 706	Interstage filament control.	56c
W6448	Your Cost	56c

## YAXLEY Radio Convenience Outlets Antenna and Ground Outlet

No. 116—Has two pin jacks marked "Ant" and "Gnd." Comes complete with tip plugs. Shpg. wt. 1 lb. W6406—Brass

W6407—Bakelite Your Cost Each 41c

## Aerial, Ground and Duplex A.C.

No. 216—Has two pin tip jacks and two a.c. receptacles. With two tip plugs. Shpg. wt. 1 lb. W6414—Brass W6415—Bakelite Your Cost Each 65c

## YAXLEY Pin Plugs

Bakelite insulation, polarized plugs. Positive spring contacts.

W6375	No. 635. 7-prong male.	59c
W6379	No. 645. 7-prong female.	
W6376	No. 625. 12-prong male.	73c
W6380	No. 615. 12-prong female.	

## Molded Twin Tip Jacks

Shorting Type Circuit is closed when the tips are removed.

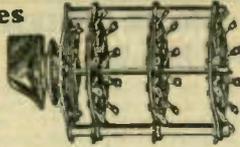
Red or Black. Specify color. No. 11—S.P.D.T. W13035 Your Cost 18c

**Midget Jack Switches**  
Require little space. With knob, pointer and on-off plate.  $\frac{1}{8}$ " hole mount. No. 10—S.P.S.T. W6446—Your Cost 29c

No. 11—S.P.D.T. W6447—Your Cost 38c

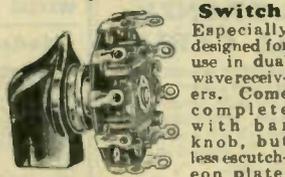
## YAXLEY Gang Switches

Contact members are heavily silver plated, and given a smooth hard finish. Contact shoe, of the self-cleaning type is of pure silver. All switches are provided with one permanent stop and one adjustable stop, thus a single switch may be used as a 2, 3, 4, 5, 6 (up to 11), point switch by simply adjusting the stop on front of switch to number of points required.  $\frac{1}{8}$ " and extend  $\frac{1}{8}$ ".



SHORTING		NON SHORTING		Circuits	Points	Your Cost Each
Stock No.	Stock No.	Stock No.	Stock No.			
W6247	W6263	W6252	W6268	1 Circuit. 1 to 6 points	.....	50.59
W6248	W6264	W6253	W6269	1 Circuit. 1 to 11 points	.....	.68
W6249	W6265	W6254	W6270	2 Circuit. 1 to 5 points each	.....	.73
W6250	W6266	W6255	W6271	3 Circuit. 1 to 3 points each	.....	.79
W6251	W6267	W6256	W6272	4 Circuit. 1 to 2 points each	.....	.85
<b>TWO GANG SWITCHES</b>						
W6252	W6268	W6252	W6268	2 Circuit. 1 to 6 points each	.....	.94
W6253	W6269	W6253	W6269	2 Circuit. 1 to 11 points each	.....	1.03
W6254	W6270	W6254	W6270	4 Circuit. 1 to 5 points each	.....	1.18
W6255	W6271	W6255	W6271	6 Circuit. 1 to 3 points each	.....	1.23
W6256	W6272	W6256	W6272	8 Circuit. 1 to 2 points each	.....	1.32
<b>THREE GANG SWITCHES</b>						
W6257	W6273	W6257	W6273	3 Circuit. 1 to 6 points each	.....	1.29
W6258	W6274	W6258	W6274	3 Circuit. 1 to 11 points each	.....	1.38
W6259	W6275	W6259	W6275	6 Circuit. 1 to 5 points each	.....	1.47
<b>FOUR GANG SWITCHES</b>						
W6260	W6276	W6260	W6276	4 Circuit. 1 to 6 points each	.....	1.62
W6261	W6277	W6261	W6277	4 Circuit. 1 to 11 points each	.....	1.76
W6262	W6278	W6262	W6278	8 Circuit. 1 to 5 points each	.....	2.06

## Type "2700" Single Gang Combination



Especially designed for use in dual wave receivers. Come complete with bar knob, but less escutcheon plate.

W6374—No. 2742. Any combination from s.p.s.t. to 4-pole double throw. Diameter  $1\frac{1}{2}$ "; bushing  $\frac{1}{8}$ ". Shaft  $\frac{1}{4}$ " long. Extends  $\frac{1}{8}$ " behind panel. Your Cost Each 44c

W6373—No. 2762. Same as above, but combinations from s.p.s.t. to 6-pole double throw. Diameter 2", shaft  $\frac{1}{4}$ " long. Your Cost Each 59c

## YAXLEY Junior Jack Switches

Jack Switch lies parallel with panel. Furnished complete with black knob; on-off plate. Mount in  $\frac{1}{8}$ " hole, up to  $\frac{1}{4}$ " thick,  $1\frac{1}{4}$ " deep.

Two Position Switches		Three-Position Switches (Center Position Off)	
Stock No.	Part No.	Stock No.	Part No.
W6471	730 S.P.D.T.	W6440	732 S.P.D.T.
W6472	740 D.P.S.T.	W6441	762 D.P.D.T.
W6473	745 5-Spring	W6442	763 3-P.D.T.
W6474	760 D.P.D.T.	W6443	764 4-P.D.T.
W6475	733 3-P.S.T.		
W6469	744 4-P.S.T.		

## Insulated Tip Jack

No. 422—Bakelite. Phone tips nest all the way in jack. Mount in a  $\frac{1}{8}$ " hole. W6506—Red W6506—Black

W6507—Green  
W6508—Yellow  
Your Cost Each 9c

Per Pair, 1-red 1-black  
W6467—Your Cost 15c

## 15-Point Tap Switch

A single-gang, 15-point tap switch of the shorting type. Furnished with pointer knob and etched dial plate marked 1 to 15. Positive wiping contacts. Mounts in a single  $\frac{1}{4}$ " panel hole. Ideal for use where multiple switching is required. W6372—Your Cost 88c

## YAXLEY Push Button Switches

Non-locking Types  
Furnished complete with black Bakelite knob.

Mounts in single  $\frac{1}{4}$ " hole, on jack panels up to  $\frac{1}{4}$ " thick.

W6460—No. 2001. Make Contact.  
W6461—No. 2002. Break Contact.  
Your Cost, Either Type 53c

W6462—No. 2003. S.P.D.T.  
Your Cost Each 59c

W6457—No. 2004. 2-pole, 2-contact.  
W6464—No. 2005. 2-pole, break two contacts.  
Your Cost, Either Type 71c

W6465—No. 2006. D.P.D.T.  
Your Cost Each 88c

W6463—No. 2007. Make two circuits, break one.  
Your Cost Each 76c

W6468—No. 2008. D.P.D.T.  
Make before break.  
Your Cost Each 97c

## Round Head Jacks

Compact type. Insulated tops. Mount in a single  $\frac{1}{8}$ " hole. For panels up to  $\frac{1}{4}$ " thick.

W6534—Red  
W6535—Black  
W6536—Yellow  
W6537—Green  
Your Cost Each 9c

Per pair, 1-red 1-black  
W6538—Your Cost 15c

## YAXLEY Etched Plates

Hard aluminum with numbers etched in white. Fit  $\frac{1}{8}$ " bushings. Plates with on-off position for use with switches. Others for use with step type controls and similar units.



Stock No.	Marking	Stock No.	Marking
W6224	1 to 2	W6243	1 to 15
W6225	1 to 3	W6223	0 to 100
W6226	1 to 4	W6244	Volume
W6227	1 to 5	W6235	Off-1 to 3
W6228	1 to 6	W6236	Off-1 to 4
W6229	1 to 7	W6237	Off-1 to 5
W6230	1 to 8	W6238	Off-1 to 6
W6231	1 to 9	W6239	Off-1 to 7
W6232	1 to 10	W6240	Off-1 to 8
W6233	1 to 11	W6241	Off-1 to 9
W6234	1 to 12	W6242	Off-1 to 10

Your Cost Each, Any Above Type 9c

## Tip Jacks

No. 416—Round head type. Tinned lug terminal. Mount in a  $\frac{1}{16}$ " panel hole. W6437—Your Cost 6c

**YAXLEY Pup Jack**  
No. 417—Nickel plated brass. Used for speaker connections, battery leads, etc. Mounts in a single  $\frac{1}{8}$ " hole. W6455—Your Cost Each 6c

**Tip Jack**  
Tip jack with positive single conductor contact, used for test panels, instruments, battery leads, and in sets for aerial and ground, etc. Hole  $\frac{1}{8}$ ". W6444—Each 18c

## Tip Plugs

Type A—For use with all tip jacks. Ideal for use on test leads, meter and panel apparatus. Solderless type. W6438—Your Cost Each 5c

Type B—Same as above, but with short tip. W6439—Your Cost Each 6c

## Phone Plugs and Jacks

No. 75—Bakelite housing. Screw term., coin slots. W6295—Your Cost 29c

No. 75TC—Same as above, with inside loop for tie cord. W6345—Your Cost 35c

No. 75A—Same as No. 75, with heavy nickel shell. W6346—Your Cost \$1.32

No. 76—Three-way microphone plug. Bakelite shell. W6296—Your Cost 59c

No. 76A—Same as above, with heavy nickel shell. W6347—Your Cost \$1.47

No. 100—Extension jack, fibre shell. For No. 75 plug. W6348—Your Cost 44c

No. 100A—Same as above, nickel shell. For 75A plug. W6349—Your Cost \$1.47

No. 101A—Mike jack, nickel shell. For 76A plug. W6344—Your Cost \$1.62

# Switches and Binding Posts

## Porcelain Base Knife Switches



Especially suitable for aerial and ground. Copper contacts and blades.

Stock No.	Type	Your Cost
W16820	S.P.S.T.	10c
W16821	S.P.D.T.	12c
W16822	D.P.S.T.	17c
W16823	D.P.D.T.	19c
W16825	3-P.D.T.	38c

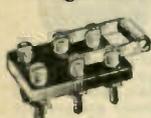
## Miniature Bakelite Knife Switches



Plated metal parts. Single pole types 1 1/2" long; double pole 2 1/2".

Stock No.	Type	Your Cost
W16830	S.P.S.T.	25c
W16831	S.P.D.T.	32c
W16832	D.P.S.T.	36c
W16833	D.P.D.T.	44c
W16834	3-P.S.T.	62c
W16835	3-P.D.T.	63c
W16836	4-P.S.T.	73c
W16837	4-P.D.T.	79c

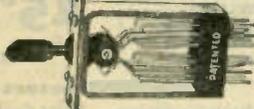
## Midget Knife Switches



Adapted for either base or panel mounting. Have black Bakelite bases, nicked brass parts. Single pole types 1 1/4" long, 1/2" wide; double pole 1 1/2" long, 1" wide.

Stock No.	Type	Your Cost
W16842	S.P.S.T.	9c
W16843	S.P.D.T.	15c
W16844	D.P.D.T.	24c

## FEDERAL Anti-Capacity Switches



Springs are phosphor bronze silver-plated, actuated by a cam roller. Rapid operation combined with a minimum of capacity between elements allow for innumerable uses.

Stock No.	Type	Your Cost
W12852	D.P.S.T.	\$1.65
W12851	D.P.D.T.	
W12850	4-P.D.T.	1.90

## Four Pole Double Throw Switch



Rated 3 amps., 125 volts. Aluminum case, lug terminals on fibre strips. Makes 2 and breaks 2 circuits each throw. Shaft extends 1 1/4". Mtg. centers 1 1/2". Quantity limited.

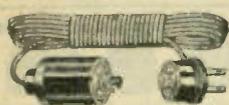
Stock No.	Your Cost
W12849	14c

## Canopy Switch



Rotary type, composition top. Very shallow. Wire leads. Rated 3 amps. at 125 volts. W13342 Each 8c Per 25... \$1.90

## Remote Control Switch



Consists of 20 feet of approved cord, a combination receptacle-plug and "on-off" switch. Completely wired—no tools needed. W13319—Your Cost... 60c

## CUTLER-HAMMER Switches

Cutler-Hammer switches are approved by the Underwriters.



### Toggle Switches

Approved type high quality toggle switches with nickel plated metal parts. Single pole units rated 3 amps. at 250 volts; double pole units rated

2 amps., 250 v. Stems 1/4" diam.

Single Pole—Single Throw	Your Cost, Each	Per Dozen
W12836—1/2" stem	17c	\$1.90
W12835—1" stem	19c	\$2.04

Single Pole—Double Throw	Your Cost, Each	Per Dozen
W12834—1/2" stem	20c	\$2.21

Double Pole—Double Throw	Your Cost, Each	Per Dozen
W12833—1/2" stem	37c	\$3.90

Double Pole—Single Throw	Your Cost, Each	Per Dozen
W12817—1/2" stem	32c	\$3.70

## Rotary Switches



S. P. S. T. Approved by the Underwriters. Bakelite encased, 3 amps, 125 V. 1 1/2" shaft for knob. W12838—14c Each Per Dozen... \$1.59

## Single Pole—Triple Throw

Exposed type. Dead center position. 1/2" shaft, with hex nut. W12831—75c Each Per Dozen... \$8.50

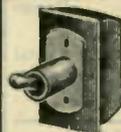
## Single Pole—Double Throw

Similar to above. 1/2" shaft. W12832—25c Your Cost Each Per Dozen, \$2.75

## "On-Off" Switch Plates

Heavily nickel plated. With locating projection. Marked "on" and "off". W12818—2c Your Cost Each Per Dozen... 20c

## C-H POWER SWITCHES



Heavy duty switches for amplifiers, motor control, etc. Ratings given are at 250 volts a.c. 1/2" bushings.

Stock No.	Type	Ratings	H.P.	Ea.	For 10
W12813	S.P.S.T.	5 amperes	1/2	35c	\$3.20
W12814	D.P.S.T.	5 amperes	1/2	39c	3.50
W12815	S.P.S.T.	10 amperes	3/4	59c	5.05
W12816	D.P.S.T.	10 amperes	3/4	65c	5.95

## Binding Posts

### Spring Clamp Binding Posts

Insulated top. Spring clamp holds wire. Overall length 1". W13046—Blank (no mk.) W13047—Marked ANT W13048—Marked GND Your Cost Each 5c



### Spring Clamp Binding Post Assembly

Posts mounted on Bakelite strip 2" long, 1 1/4" wide. Mounting hole centers 1 1/4". Posts marked "ANT" and "GND". W13049—Your Cost 12c



Tip Jacks Mounted on 3/8" Bakelite. Contact springs grip cord tips securely. Supplied plain—no marking. W13037—Double jack Your Cost 5c W13036—Triple jack Your Cost 7c

Insulated Posts Red or black composition top. Plated ferrule. Specify color. W13163—Your Cost 5c

Non-Removable Top Binding Post With grommets. Stud has hole. 3/8" long (closed) W13003—Red W13001—Black Your Cost Each 8c

Colored Twin Tip Jack Colored insulation; one red and one black tip jack. Centers 1 1/4". W12936—Your Cost 12c

## EBY Binding Posts Non-Removable Tops

Specially designed for use on metal chassis. Stud has hole. W13082—Ace Post Has 1/2" stud, 3/4" long. Your Cost Each 9c W13083—Ensign Post Has 3/4" stud, 5/8" long. Your Cost Each 12c W13084—Commander Post Has 1/2" stud, 3/4" long. Your Cost Each 20c

## EBY Twin Post Units

On laminated strips, marked "ANT" and "GND". W13062—Your Cost 15c Similar to above, but triple post marked "LANT", "SANT", and "GND". W13063—Your Cost 18c

## Screw Binding Post Terminal Strip

Two knurled head screws mounted on 2" Bakelite plate. Non-removable. Centers 1 1/4". No markings. W13006—Your Cost Each 6c

## Heavy Metal Binding Post

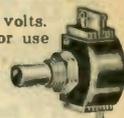
Nickel plated brass. Approximately 1" high. W12946—Your Cost Each 6c Per Dozen... 60c

## Binding Post Top

Made of molded Bakelite. Has brass insert with 3/8" thread. 3/4" high, 3/8" diameter. Knurled finger grip. In black only. W13081—Your Cost Each 2c

## H. & H. Rotary Panel Switches

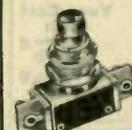
Rated 3 amps., 125 volts. Approved type. For use with knob. Cadmium plated solder lug terminals. Furnished with locknuts. Mounting sleeve 3/8" diam. Shaft extends 1" beyond the threaded sleeve.



Stock No.	Type	Sleeve Length	Your Cost
W12779	S.P.S.T.	3/8"	17c
W12780	S.P.S.T.	1"	22c
W12781	D.P.S.T.	3/8"	39c
W12782	D.P.S.T.	1"	44c
W12783	D.P.D.T.	3/8"	44c
W12784	D.P.D.T.	1"	49c

## H. & H. Two-Circuit Push-Button Switches

In normal position, with plunger out, one circuit is "on" and the other "off". When plunger is pressed in, circuits are reversed. Slow make, quick break momentary contacts. Silver plated lug terminals; laminated Bakelite insulation. Rated 75 watts at 125 volts a.c. Bushing 1/4" diameter and 3/8" long. In three standard types shown below.



Metal Plunger Used on Supreme instruments and other makes. W12774—Your Cost 31c 10 for... \$2.79

## Bakelite Button Type

With concave Bakelite button. W12775—Red W12776—Black Your Cost 40c 10 for... \$3.60

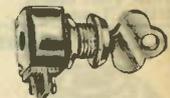


## Bakelite Tip

Supplied with a narrow Bakelite tip at the end of the plunger. W12777—Red W12778—Black Your Cost 32c 10 for... \$2.88

## Key Lock Switches

Designed for use in auto or portable receivers. Approved, rated 3 amps., 250 volts. W6221—S. P. S. T. Your Cost Each 42c W6222—D. P. S. T. Your Cost Each 49c



## EBY Model 34 Wave Band Switch

A compact wave band switch with silver plated, self-cleaning contacts. Positive indexing and low capacity. Shaft 5/8" long, 3/8" diameter. Bushing 3/8".

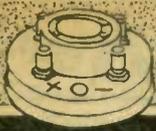


Stock No.	Type	Your Cost
W12785	S.P.S.T.	18c
W12786	S.P.D.T.	21c
W12787	D.P.S.T.	21c
W12788	D.P.D.T.	24c
W12789	3-P.S.T.	24c
W12790	3-P.D.T.	27c
W12791	4-P.S.T.	27c
W12792	4-P.D.T.	27c

## Bakelite Surface Switch

Bakelite cover will not tarnish and provides perfect insulation. W13315—Your Cost 14c Carton of 10 \$1.25





# Sockets



## CLIP-TITE RADIO TUBE SOCKETS

### BAKELITE AND STEATITE CONSTRUCTION



Bakelite



Steatite

Sturdily constructed sockets of novel design. Equipped with long contacts which grip the tube pins firmly. The socket proper mounts in a special steel adapter plate in which it is held in place by a locking ring. Slotted mounting holes permit replacing any socket having from 1 1/2 to 2" mounting centers. Bakelite sockets for standard radio work; Steatite sockets especially well suited for high frequency apparatus.

BAKELITE		Your Cost Each
Stock No.	Prongs	
W13057	Four	<b>7<sup>c</sup></b>
W13058	Five	
W13059	Six	
W13061	7, small	
W13060	7, large	
W13050	8, octal	9c

STEATITE		Your Cost Each
Stock No.	Prongs	
W13194	Four	<b>24<sup>c</sup></b>
W13195	Five	
W13196	Six	
W13197	7, small	
W13198	7, large	
W13199	8, octal	29 <sup>c</sup>

## SUB-PANEL WAFER SOCKETS FOR GLASS AND METAL TUBES



Sturdily made wafer tube sockets constructed of laminated Bakelite. Completely insulated top. Self-aligning, floating one-piece contacts, cadmium plated. Midget sockets have 1 1/2" mounting centers; standard size sockets have 1 1/4" mounting centers. Octal socket (midget) fits all metal and metal-glass tubes. These sockets are ideal for general replacement purposes or for the new set. Every serviceman and dealer should keep a stock—they are priced exceptionally low. Supplied without markings.

Standard Size		Your Cost Each
Stock No.	Prongs	
W13070	Four	<b>5<sup>c</sup></b>
W13078	Five	
W13071	Six	
W13069	7, small	
W13074	7, large	
10 For		45c

Midget Size		Your Cost Each	10 For
Stock No.	Prongs		
W13114	Four	<b>5<sup>c</sup></b>	<b>45<sup>c</sup></b>
W13115	Five		
W13121	Six		
W13122	7, small	<b>6<sup>c</sup></b>	<b>55<sup>c</sup></b>
W13125	7, large		
W13127	8, octal		

### No. 12 EBY Sockets



Molded Bakelite. For sub-panel or top of panel mounting. Sturdily constructed.

Stock No.	Prongs	Your Cost Each
W13072	4	<b>15<sup>c</sup></b>
W13073	5	
W13076	6	<b>22<sup>c</sup></b>
W13077	7 L & S	
W13079	8 Octal	25c

### Bakelite Combination Base or Panel Mount Sockets

Molded of black Bakelite. Phosphor bronze contacts. Top is grooved.



Standard Sockets		Your Cost Each	10 For
Stock No.	Prongs		
W13090	4	<b>14c</b>	<b>\$1.30</b>
W13091	5		
W13092	6	15c	1.40
W13093	7, small	<b>19c</b>	<b>\$1.80</b>
W13094	7, large		
W13080	8, octal	23c	2.10

Combination Sockets  
W13095—Comb. 4, 5, 6 prong.  
W13096—Comb. 5, 6, small 7 prong.  
Your Cost Each, Either Type **25<sup>c</sup>**

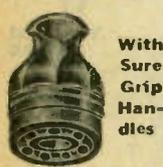
### NA-ALD BASE MOUNT Sockets



For bread-board mounting. Of molded Bakelite with binding post terminals. All connections plainly marked. 1 1/2" centers.

Stock No.	Prongs	Stock No.	Prongs	Your Cost Each, Any Type
W11692	4	W11695	7 small	<b>21<sup>c</sup></b>
W11693	5	W11696	7 large	
W11694	6			

### Bakelite Speaker Plugs

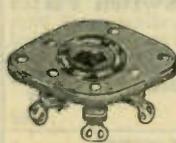


With Sure Grip Handles



Female		Male		Your Cost
Stock No.	Prongs	Stock No.	Prongs	
W11528	4	W11532		<b>18c</b>
W11529	5	W11533		
W11673	6	W11678		
W11674	7 L	W11679		
W11675	7 S	W11680		
W11676	8	W11672		

### ISOTEX Sockets



Low loss. Top and sides glazed. Re-reinforced springs. 2 1/4" long, 1 1/2" wide. Centers 1 1/8"

Stock No.	Prongs	Your Cost Each
W13064	4	<b>25<sup>c</sup></b>
W13065	5	
W13066	6	<b>27<sup>c</sup></b>
W13067	7 S	
W13068	8 octal	30c

### Mycalex H. F. Tube Sockets

For high frequency transmitters. All prongs are plated and rigidly riveted.



Stock No.	Prongs	Your Cost Each
W13116	4 Prong	<b>48<sup>c</sup></b>
W13117	5 Prong	
W13118	6 Prong	<b>48<sup>c</sup></b>
W13119	7 Prong, small	
W13120	7 Prong, large	

### Octal Base Speaker Plug

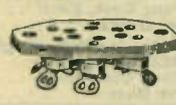
One piece construction. Molded locator pin simplifies plugging into any octal socket. Each conductor protected with molded insulation. W11751—Your Cost **9<sup>c</sup>**

### 3-Prong Battery Plugs

One-piece molded construction. Prevents shorts. Silver plated prongs. For socket type batteries. W11648—For "C" batt. W11649—For "B" batt. Your Cost Each **6<sup>c</sup>**

### HAMMARLUND Isolantite Sockets

Glazed top and sides, rust proof contacts. 2 1/4" long, 1 1/2" wide.



Stock No.	Prongs	Your Cost Each, Any Type
W8496	4	<b>35<sup>c</sup></b>
W8497	5	
W8498	6	
W8498	8 octal	

### NATIONAL Isolantite Sockets

These Isolantite sockets reduce losses to a minimum. Suitable for either standard sub-panel or baseboard mounting.



Stock No.	Prongs	Your Cost Each
W14425	4	<b>36<sup>c</sup></b>
W14426	5	
W14427	6	
W14428	Special 6-prong type for National coils.	

### Plug and Socket Cable Connectors

Molded connectors designed to fit the standard tube sockets. Removable caps.

Stock No.	Prongs	Your Cost Each
W11666	4	9c
W11667	5	12c
W11668	6	<b>15<sup>c</sup></b>
W11670	7 S	
W11669	7 L	
W11671	8 octal	

### Heavy Duty Plugs and Sockets

A series of heavy-duty multiple contact plugs and sockets made of molded Bakelite with heavily armored metal caps. Excellent for use with portable P.A. systems. Types A and B have metal cable clamps.



Plug—Type A		Socket—Type B	
Stock No.	Your Cost	Stock No.	Your Cost
W12400	37c	W12412	40c
W12401	45c	W12413	50c
W12402	54c	W12414	61c
W12403	62c	W12415	71c
W12404	70c	W12416	81c
W12405	79c	W12417	91c

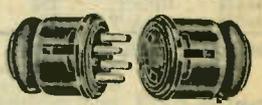
### Plug With Angle Bracket—Type C

Stock No.	Contacts	Your Cost
W12426	2	27c
W12427	4	31c
W12428	6	35c
W12429	8	39c
W12430	10	43c
W12431	12	48c

### Flush Socket—Type D

Stock No.	Contacts	Your Cost
W12406	2	30c
W12407	4	36c
W12408	6	42c
W12409	8	48c
W12410	10	54c
W12411	12	60c

### AMPHENOL Cable Connectors



Steel-clad connectors, male and female, for all types of work. Perfect insulation. Male end has long prongs that are firmly gripped by the spring contacts in the female end. Have rubber grommets in ends to protect cable. Finished in japanned black. 1 1/4" diameter, 1 1/2" long. Ideal for P.A., theatre, radio, etc., work.

Stock No.	Prongs	Your Cost Each	10 For
W11471	4	<b>15<sup>c</sup></b>	<b>\$1.40</b>
W11472	5		
W11473	6		
W11474	7 S		
W11475	7 S		

Stock No.	Prongs	Your Cost Each	10 For
W11476	4	<b>15<sup>c</sup></b>	<b>\$1.40</b>
W11477	5		
W11478	6		
W11479	7 S		
W11478	7 S		

### Locking Metal Sleeve Connectors

Designed to fit over the male and female connectors shown above. Cadmium plated steel, threaded so that they lock together. Diameter overall 1 1/2", length 2 1/2". W11479—Your Cost, Per Pair **15<sup>c</sup>**

### Rubber Capped Male and Female Plugs

Molded rubber. Standard socket arrangement of holes and prongs. Ideal for outdoor use. Handles 1" long.

Male		Female	
Stock No.	Your Cost	Stock No.	Your Cost
W11705	4	W11710	23c
W11706	5	W11711	25c
W11707	6	W11712	28c
W11708	7 S	W11713	28c

### Two-Piece Connectors

Moulded bakelite shells. Standard tube socket connections. Prices for two-piece connector. W11697—4 Circuit, Your Cost Each **15c**  
W11698—5 Circuit, Your Cost Each **15c**  
W11699—6 Circuit, 10 for **\$1.35**



### Nickel-Plated Brass Machine Screws

Stock No.	Length	Doz.	Gross
W14750	3c	30c	
W14751	4c	38c	
W14752	5c	50c	
W14753	5c	50c	
W14754	6c	65c	

8-32 Round Head Screws			
W14755	4c	40c	
W14756	5c	48c	

6-32 Flat Head Machine Screws			
W14760	3c	30c	
W14761	4c	38c	
W14762	5c	50c	
W14763	5c	50c	
W14764	6c	60c	

6-32 Oval Head Machine Screws			
W14770	3c	30c	
W14771	4c	42c	
W14772	5c	50c	
W14773	5c	50c	
W14774	6c	60c	

### Cadmium-Plated Steel Machine Screws & Nuts

6-32 Round Head Steel Screws			
Stock No.	Length	Per 100	Per 1000
W14922	11c		\$0.98
W14923	12c		1.10
W14924	13c		1.17
W14925	14c		1.26
W14926	15c		1.35
W14927	16c		1.44
W14928	17c		1.53
W14929	18c		1.62
W14930	19c		1.71
W14931	20c		1.80
W14932	21c		1.89
W14933	22c		1.98

8-32 Round Head Steel Screws			
W14928	14c	1.26	
W14929	16c	1.50	
W14930	17c	1.60	
W14931	20c	1.80	
W14932	1	22c	2.05
W14933	1	27c	2.43

Cadmium-Plated Steel Hex Nuts			
W14939	6-32x $\frac{1}{4}$ "	12c	1.08
W14940	8-32x $\frac{1}{2}$ "	16c	1.44

### Nickel-Plated Brass Round Head Wood Screws

Stock No.	Size	Length	Doz.	Gr.
W14780	4	1 1/2"	4c	40c
W14781	5	1 3/4"	5c	50c
W14782	5	1 3/4"	6c	60c
W14783	5	1 3/4"	8c	80c

### Hex Nuts, Knurled Nuts, & Washers, Nickel-Plated Brass

W14804	6-32x $\frac{1}{4}$ " hex. nuts.	5c
Envelope of 20; Net		
Per 100.		20c
W14805	8-32x $\frac{1}{4}$ " hex. nuts.	5c
Envelope of 20; Net		
Per 100.		20c
W14806	6-32x $\frac{1}{2}$ " hex. nuts.	5c
Envelope of 15; Net		
Per 100.		25c
W14807	8-32x $\frac{1}{2}$ " hex. nuts.	5c
Envelope of 15; Net		
Per 100.		25c
W14808	6-32x $\frac{3}{8}$ " knurled nuts.	5c
Envelope of 6; Net		
Per 100.		75c
W14809	No. 6 washers.	5c
Envelope of 25; Net		
Per 100.		20c
W14810	No. 8 washers.	5c
Envelope of 25; Net		
Per 100.		20c

### Screw Extractors

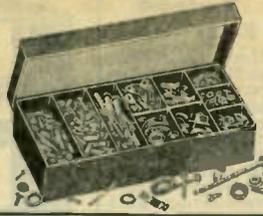
Used for removing broken screws, bolts and studs. A hole is drilled in broken screw (size of drill is indicated on extractor), then by turning extractor to left, screw is removed quickly and easily. Four sizes in kit. Shpg. wt. 2 lbs. **W15279—Your Cost 95c**

### Escutcheon Screws

Round head, bronze finish,  $\frac{3}{8}$ " long. Fits any type escutcheon. **W14934—No. 2 Size Per Gross 25c**

# RADIO HARDWARE

## "1000 PLUS" HARDWARE KIT



Contains over 1000 pieces of most frequently used hardware: 125 assorted 6-32, 100 8-32 and 25 10-32 machine screws; 100 6-32, 100 8-32 and 25 10-32 nuts; 100 assorted wood screws; 150 rivets, eyelets; 100 washers, grommets, etc.; 100 metal washers, lockwashers, lugs, etc. Shpg. wt. 4 lbs.

**W14820—Your Cost per Box 95c**

### Self-Tapping Screw Assortment

Forty of the most commonly used sizes in modern receivers. Uses no nuts, merely start hole and drive through. Used in many standard receivers. **W14687—Box of 40. Your Cost 29c**

### Assorted Hardware

**45c For a 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. Shpg. wt. 5 lbs. **W14834—Your Cost 70c**

Same as above, but contains 2 lbs. of hardware. Shpg. wt. 3 lbs. **W14844—Your Cost 45c**

### Assorted Brackets

Box of 28 of the most popular angles and brackets used in radio. Brass, nickel-plated. **W14838—Your Cost 24c**

### Right Angle Brackets

All are brass, nickel-plated; width is  $\frac{3}{8}$ ". Very sturdy. **Your Cost**

Stock No.	Size	1c.	For 10
W14895	$\frac{1}{2}$ x $\frac{1}{2}$	1c	8c
W14896	$\frac{3}{4}$ x $\frac{3}{4}$	1 1/2c	12c
W14897	1 x 1	2c	16c
W14898	1 1/2 x 1 1/2	2 1/2c	22c
W14899	1 1/2 x 1 1/2	3c	27c

### Rubber Grommet Kits

Available in two assortments—kit "A" contains 12 assorted grommets in 4 sizes— $\frac{1}{8}$ " to  $\frac{1}{2}$ ". Kit "B" contains 30 assorted grommets in 5 standard sizes— $\frac{1}{8}$ " to  $\frac{1}{2}$ ". **W14794—Assortment "A." Your Cost 9c**

**W14795—Assortment "B." Your Cost 26c**

### Rubber Grommets

Stock No.	Fits Hole	Inside Diam.	Per Doz.	Per 100
W14765	$\frac{1}{8}$ "	$\frac{1}{8}$ "	8c	52c
W14766	$\frac{1}{4}$ "	$\frac{1}{4}$ "	14c	59c
W14767	$\frac{3}{8}$ "	$\frac{3}{8}$ "	16c	64c
W14768	$\frac{1}{2}$ "	$\frac{1}{2}$ "	19c	69c
W14769	$\frac{3}{4}$ "	$\frac{3}{4}$ "	20c	72c

### Colored Grommets

Hard insulating composition; with knurled nut; in red or black. For instruments and where dressy appearance is desired.

Red	Black	Hole	Diam.	L.
W14688	W14689	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "

**Your Cost Each, Either Color 4 1/2c**

W14690	W14691	W14692	W14693	W14694	W14695
$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{1}{4}$ "	$\frac{1}{2}$ "	$\frac{1}{4}$ "	$\frac{1}{2}$ "

**Your Cost Each, Either Size 6c**

### 1/4" Brass Spacers

For raising components above chassis or away from panel. All pass, Nos. 4, 6 and 8 screws.

Stock No.	Height Inches	Your Cost For Ten
W9868	$\frac{1}{4}$ "	12c
W9869	$\frac{1}{2}$ "	15c
W9870	$\frac{3}{4}$ "	17c
W9871	1"	20c

### Insulating Pitch

**W14864—14-ounce can. Wt. 3 lbs. Your Cost 29c**

**W14865—1-gallon can. Wt. 12 lbs. Your Cost \$1.25**

### Wing Nuts

Brass, nickel-plated. Have numerous uses.

Stock No.	Thread	Each
W12926	6-32	
W12927	8-32	
W12928	10-32	
W12929	$\frac{1}{4}$ -20	

**Per 100 \$2.79**

### Switch Points and Stops

Brass, nickel-plated.

Stock No.	Type	Per Doz.
W14734	Points	
W14785	Stops	

**Either Type, Per Doz. 8c**

### Assorted Fibre Washers

Contains 100 plain and shoulder type to fit Nos. 6, 8 and 10 screws, as well as  $\frac{1}{8}$ " holes.

**W14832—Shpg. wt. 8 oz. Your Cost per Box 24c**

### Insulating Washers

Of fibre as in assortment above. Used for metal panel and chassis mounting of parts.

**Fibre Washers—Shoulder Type**

Stock No.	O. D.	I. D.	Per 10
W15020	1"	$\frac{3}{4}$ "	10c
W15021	$\frac{3}{4}$ "	$\frac{1}{2}$ "	10c
W15022	$\frac{1}{2}$ "	$\frac{1}{4}$ "	Per 100
W15023	$\frac{1}{2}$ "	$\frac{1}{4}$ "	90c

**Flat Bakelite Washers**

Stock No.	O. D.	I. D.	Per 10
W15030	$\frac{3}{4}$ "	$\frac{1}{2}$ "	8c
W15031	$\frac{1}{2}$ "	$\frac{1}{4}$ "	Per 100
W15032	$\frac{1}{2}$ "	$\frac{1}{4}$ "	60c

### RIVETING PUNCH

When used with anvil listed below will permit replacing broken rivets and making a factory-type repair.  $\frac{1}{2}$ " diameter, 5 1/2" long. **W15280—Your Cost 50c**

### Off-Set Riveting Anvil

Makes a complete unit to replace broken rivets when used with above punch. **W15281—Your Cost 70c**

**W15297—Rivets for above set. Package of 100. Your Cost 30c**

### Bakelite Assembled Terminal Strips

Screw and collar terminals mounted on  $\frac{1}{2}$ " Bakelite strips,  $\frac{3}{4}$ " wide. Nickel-plated hardware. With end holes drilled for mounting.

Stock No.	Ter- minals	Mtg. Centers	Your Cost
W13140	2	1 1/2"	8c
W13141	3	2"	11c
W13142	4	2 1/2"	15c
W13143	5	3 1/2"	19c
W13144	6	4"	22c

### BAKELITE MOUNTING STRIPS

For mounting parts which are to be insulated from chassis. Tinned.

Stock No.	Lugs	Each	10 For
W13133	2	3c	27c
W13134	3	3c	27c
W13135	4	5c	45c
W13137	6	6c	55c

### FAHNESTOCK Clips

Stock No.	Type	Length	Per Doz.
W14823	Single	$\frac{1}{2}$ "	10c
W14824	Single	1"	12c
W14825	Double	1 1/2"	27c
W14826	Double	1 3/4"	30c

### Ornamental Top Bronze Finished Machine Screws

Stock No.	Size	Length	Per Doz.
W14680	6-32	$\frac{1}{4}$ "	8c
W14681	6-32	$\frac{1}{2}$ "	9c
W14682	6-32	1"	10c

### Shakeproof Washers

**W14758—To pass No. 6 screw. W14759—To pass No. 8 screw. Either Type Envelopes of 25 8c**

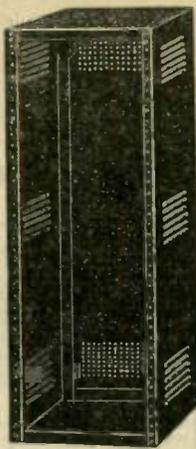
# RACKS · PANELS · CABINETS

## STANDARD TYPE RELAY RACKS



Constructed of  $\frac{1}{4}$ " steel, with spot welded corners. Finished in black crystalline lacquer. Racks are for use with standard 19" long panels, and are drilled for mounting holes every  $1\frac{1}{4}$ ". Base, 16" deep,  $19\frac{1}{4}$ " wide. Holes tapped for 10-32 thread. Substantially braced base to prevent wobble and to keep units in correct alignment. Ideal for use with all types of transmitters or for public address systems. These racks are the same as those used in our own transmitters, and are extremely popular in amateur circles.

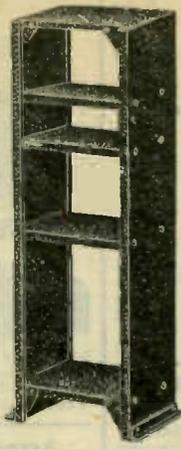
Stock Height Shpg. Your No. Wt. Lbs. Cost  
 W22150 72" 60 \$10.25  
 W22151 36" 30 8.25



## Enclosed Relay Racks

Heavy steel, finished in black crystalline lacquer. Holes drilled for standard 19" panels every  $1\frac{1}{4}$ ". 10-32 thread holes. Screen perforations in back and side louvres provide good ventilation. Both sizes measure  $20\frac{1}{2}$ " wide and 15" deep; but No. W22153 is 5 ft. high and No. W22154 is 3 ft. Shipped in knocked-down form, complete with all nuts, bolts, washers. Easy to assemble.

Stock Shpg. Your No. Wt. Lbs. Cost  
 W22153 120 \$22.50  
 W22154 75 17.75



## SECTIONAL P. A. RACKS

For any type of apparatus. Furnished with three shelves in addition to bottom shelf. Rack stands 5 feet high,  $19\frac{1}{4}$ " wide and  $12\frac{1}{4}$ " deep. Channel construction permits hiding unsightly wires. All corners reinforced with steel braces. Shipped "knocked-down" with all hardware. Black lacquer. Shpg. wt. 60 lbs.

W22152—  
 Your \$9.50  
 Cost  
 Additional steel shelves; Wt. 7 lbs.  
 W22159—  
 Your Cost . . . 90c

## BLACK STEEL CHASSIS OR SUB-BASES

Designed for use with the relay racks described above. Constructed of No. 16 gauge steel finished in black crystalline lacquer. Are furnished with bottom cover plates and bolts for mounting. These chassis are drilled to fit combination brackets and panels.

Stock No.	Dimens.	Shpg. Wt.	Your Cost	Stock No.	Dimens.	Shpg. Wt.	Your Cost
W22155	8x17x2"	14 lbs.	\$1.60	W22156	11x17x3"	20 lbs.	\$1.95
W22229	8x17x3"	15 lbs.	1.75	W22231	11x17x2"	19 lbs.	1.80
W22230	13x17x2"	21 lbs.	2.10	W22232	13x17x3"	22 lbs.	2.30

**Cadmium Plated Chassis.** Similar to the above, but steel cadmium plated. Size 17" long, 11" wide and  $2\frac{1}{4}$ " deep. Shpg. wt. 18 lbs.  
 W22157—  
 Your Cost . . . **\$2.45**

## BLACK CRYSTALLINE STEEL PANELS



These standard panels are 19" long, and will fit the relay racks described above. Constructed of  $\frac{1}{4}$ " steel with black crystalline lacquer finish. Available in twelve standard sizes to fill practically every requirement.

Will also fit cabinets shown at right.

Stock No.	Width	Shpg. Wt.	Your Cost	Stock No.	Width	Shpg. Wt.	Your Cost
W22169	$1\frac{1}{4}$ "	2	\$0.50	W22163	$12\frac{1}{4}$ "	12	\$1.30
W22170	$3\frac{1}{2}$ "	5	.58	W22164	14"	13	1.50
W22171	$5\frac{1}{4}$ "	7	.66	W22165	$15\frac{1}{4}$ "	14	1.75
W22160	7"	8	.70	W22166	$17\frac{1}{2}$ "	15	1.95
W22161	$8\frac{1}{2}$ "	9	.90	W22167	$19\frac{1}{4}$ "	16	2.06
W22162	$10\frac{1}{2}$ "	10	1.10	W22168	21"	17	2.30

## ALUMINUM RACK PANELS 19" LONG

For those desiring an easier working material. Standard panels of  $\frac{1}{4}$ " aluminum fit relay racks described above and cabinets at right. Available with black crystalline lacquer finish.

Stock No.	Width	Shpg. Wt.	Your Cost	Stock No.	Width	Shpg. Wt.	Your Cost
W22202	$5\frac{1}{4}$ "	2 lbs.	\$1.35	W22204	$8\frac{3}{4}$ "	3 lbs.	\$1.95
W22203	7"	2 lbs.	1.60	W22205	$11\frac{1}{4}$ "	3 lbs.	2.50

## STEEL BRACKETS

Used to re-enforce racks and panels. Of  $\frac{1}{4}$ " steel with black crystalline lacquer finish. Panels must be at least 7" high. Mounting holes drilled. Shpg. wt. 3 lbs.

W15271—For 8" base  
 Your Cost, per Pair . . . **59c**  
 W15272—For 11" base  
 Your Cost, per Pair . . . **89c**

## Meter Panels

Fit the standard racks. Of steel, with crystalline lacquer finish. All 19" long and  $5\frac{1}{4}$ " high. For 3 or 5 meters, 2" and 3" type. Shpg. wt. 7 lbs.

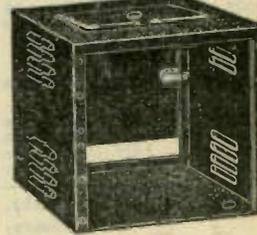
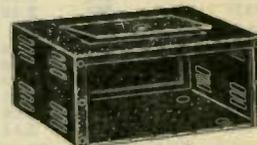
Stock No.	Holes	Meter Size	Your Cost
W22222	3	2"	\$0.98
W22223	5	2"	1.45
W22224	3	3"	.98
W22225	5	3"	1.45

## RADIO PANELS FOR ALL USES

Black hard rubber and Bakelite panels,  $\frac{1}{8}$ " thick—odd sizes cut at  $1\frac{1}{2}$ c per sq. in. Aluminum  $\frac{1}{8}$ " thick odd sizes, 95c per sq. ft. Electroloy  $\frac{1}{8}$ " thick—odd sizes, 1c per sq. in.

Size Ins.	Bakelite		Hard Rubber		Aluminum		Electroloy	
	Stock No.	Your Cost	Stock No.	Your Cost	Stock No.	Your Cost	Stock No.	Your Cost
7x10	W19600	\$0.90	W19630	\$0.54	W19660	\$0.44	W22310	\$0.35
7x12	W19601	1.15	W19631	.58	W19661	.54	W22311	.38
7x14	W19602	1.30	W19632	.68	W19662	.63	W22312	.47
7x18	W19603	1.60	W19633	.95	W19663	.85	W22313	.58
7x21	W19604	1.80	W19634	1.03	W19664	.95	W22314	.71
7x24	W19605	2.10	W19635	1.18	W19665	1.05	W22315	.79
7x30	W19608	2.57	W19638	1.75			W22317	.98

## Steel Cabinets for Rack Panels



Constructed of  $\frac{1}{4}$ " steel, black crystalline lacquer finish. Take standard 19" rack panels. Rigid spot-welded joints; top and rear latch doors, ventilation louvres. Excellent housing for receivers, transmitters, P. A. systems, etc., etc. Blank chassis listed on this page fit these cabinets.

W22134—Single panel cabinet. Top door,  $8\frac{3}{4}$ " high x 12" deep. Shpg. Wt. 20 lbs. Your Cost . . . \$4.50  
 W22003—Single panel cabinet. Top door, 10" high for oversized panel, 12" deep. Shpg. Wt. 22 lbs. Your Cost . . . \$5.45  
 W22133—Cabinet for two panels. Top and rear doors.  $17\frac{1}{2}$ " high x 13" deep. Shpg. Wt. 34 lbs. Your Cost . . . \$7.90  
 W22132—Cabinet for three panels. Door on rear panel.  $26\frac{1}{4}$ " high x 13" deep. Shpg. Wt. 42 lbs. Your Cost . . . \$8.25

## General Utility Steel Cabinets



Built of steel, finished in black crackle lacquer. Spot welded corners. Snug fit top and bottom held on with self-tapping screws. Excellent for housing small apparatus.

Stock No.	Dimension	Shpg. Wt.	Your Cost
W22174	$5\frac{1}{2}$ x6x5 $\frac{1}{2}$ "	3	\$0.69
W22175	5 x9x6"	5	.99
W22173	8 x10x7"	6	1.19
W22176	8 x10x10"	7	1.29
W22177	11x12x8"	9	1.69

## Circle Cutters



Cut holes in metal, wood, Bakelite, hard rubber, etc.  
 Nos. 1 and 2 cut holes from 1" to 4" diam. No. 5 cuts holes from 1" to 5" in diam. No. 1 has an extra beading cutter attached.  
 W14717—No. 1  
 W14713—No. 5—round shank  
 W14715—No. 5—square shank  
 Your Cost, Either Type . . . **\$1.88**  
 W14718—No. 2—Your Cost \$1.10  
 W14716—Extra blades. Each . . . 24c

## SHEET METAL PUNCH



Of finest tool steel; tempered for long life. Punches holes for sockets, electrolytics, etc. in metal chassis with blow of hammer. Shpg. wt. 2 lbs.  
 Stock No. Hole Your Cost Each  
 W15291  $\frac{3}{8}$ " \$1.67  
 W15292  $\frac{1}{2}$ "  
 W15293  $\frac{5}{8}$ "  
 W15294 1"  
 W15295  $1\frac{1}{4}$ "  
 W15296—Set of 5 punches . . . \$7.45

## BLANK CHASSIS



Template Blank Chassis  
 Tern-plate is lead-plated steel; Electroloy is a non-magnetic zinc alloy.  
 Stock Size—Inch. Shpg. Your Cost  
 No. L.W.H. Wt.  
 W22325 7x 9x2 3 lbs. \$0.40  
 W22326 7x11x2 3 lbs. .45  
 W22327 7x13x2 4 lbs. .50  
 W22328 10x12x3 5 lbs. .55  
 W22329 10x17x3 6 lbs. .75  
 W22330 10x23x3 7 lbs. .85  
 Electroloy Blank Chassis  
 W22331 7x 9x2 3 lbs. \$0.65  
 W22332 7x11x2 3 lbs. .78  
 W22333 7x13x2 4 lbs. .88  
 W22334 10x12x3 5 lbs. .96  
 W22335 10x17x3 6 lbs. 1.23  
 W22336 10x23x3 7 lbs. 1.45



# SET BUILDERS ACCESSORIES

## MALLORY Bias Cell



The ideal solution for the bias problem. Only  $\frac{1}{4}$ " high,  $\frac{3}{8}$ " in diameter. No current potential of 1 volt, plus or minus 10%. Lasts indefinitely. Does away with several

parts when used for biasing. Also handy for the experimenter. Can not be used with a load.

W6419—Cell only. **18c**  
Your Cost Each

## HOLDERS FOR ABOVE

These are handy, compact units which hold the cells in a series arrangement. The single is shown.

W6420—For one cell ..... 6c  
W6421—For 2 cells ..... 12c  
W6422—For 3 cells ..... 15c  
W6423—For 4 cells ..... 21c

## Goodell-Pratt Scriber

Body knurled hollow steel tubing fitted with chuck so that point can be removed and reversed for carrying tool in pocket.  
W15284—Your Cost **29c**

## COUNTERSINK



A handy tool for shaping holes in panels of wood, Bakelite, fibre, etc. Shpg. wt. 1 lb.  
W14950—Your Cost **12c**

## BAKELITE TUBING

In natural or black.  $\frac{1}{8}$ " thick wall. Cut to your length, any size.

Stock No.	Out. Diam.	Per Foot	Per Inch
W13150	1"	34c	3c
W13151	1 1/2"	45c	4c
W13152	2"	55c	5c
W13153	2 1/2"	63c	6c
W13154	3"	74c	7c
Natural Tan Bakelite, 1/8" Wall			
W13129	1 1/2"	25c	2 1/2c
W13130	2"	27c	2 1/2c
W13131	2 1/2"	32c	3c
W13132	3"	38c	3 1/2c

## Aluminum Corner Post

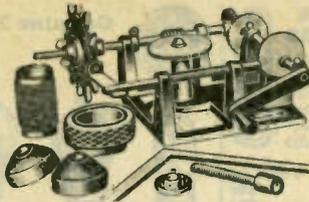


Six inches long, grooved for  $\frac{1}{8}$ " aluminum. Tapped at each end to fit  $\frac{1}{8}$ " machine screws. Shpg. wt. 1 lb.  
W14954—Your Cost Ea. **18c**

## Deluxe 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.

W14725—Your Cost **\$4.35**



## TUBE SHIELD JACKETS

Will form-fit all dome type (ST) tubes. Complete with bases for wafer sockets with mounting holes  $1\frac{1}{2}$ " to  $1\frac{3}{4}$ " apart. Bodies consist of two identical shells that hug tube shape exactly, thus saving space.

W13259—For ST14 bulbs with or without cap: 24A, 35, 2A5, O1A, 22, 26, 32, 34, etc. Comprises two halves with grounding clip.  
W13262—For short ST12 tubes without grid caps: 27, 37, 56, 76, 41, 84, 12Z3, 6Z4, etc.  
W13264—For short ST12 tubes with grid caps, such as the 36, 75, 77, 78, 79, 39/44, 38, 6A7, 6B7, 6C7, 6D7, 6E7, 6F7, etc.



W13263—For long ST12 tubes with grid caps, such as the 6C6, 6D6, 57, 58, etc.

Your Cost Each, Any Type **6c**  
Your Cost Per 100 **55.00**

## "ST" Type Tube Shields



For 56, 57, 58, etc., type tubes. Three pieces. Both long (covering tube) and short (cap projects) types. Barrel diameter  $1\frac{1}{8}$ ". Made of natural bright aluminum. Affords maximum ventilation. Shpg. wt. 1 lb.

W13265—3 1/2" high. **10c**  
Your Cost Each  
Lots of 10. Each **9c**  
W13266—3 1/4" high. **9c**  
Your Cost Each  
Lots of 10. Each **8c**

## Aluminum Coil Shields

Detachable base, permits quick removal of top. W12639—2 1/2 x 3" high. W12640—2 1/2 x 3 1/2" high. Your Cost, **10c** Either Type

## SHIELDS FOR USE WITH METAL TUBES



For use with screen grid metal tubes. Fits over grid cap and prevents radiation from this point. Aluminum sprayed black.

W13217—Your Cost **5c** Each  
Per Dozen **40c**

## NATIONAL Coil Shields

Available in 2 types. Type A is of one-piece aluminum, 3 3/4" high, 2 1/2" diameter with 2 1/4" mounting.

Type B has base drilled for wire connections. Shield fits on base by 2 set-screws; 3 3/4" high, 3" in diameter. Shpg. wt. each 1 lb.

W13527—Type A Your Cost Each **21c**  
W13256—Type B Your Cost Each **30c**

## "Easy-To-Remove" Aluminum Coil Shield

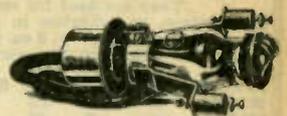
Can locks to base with a bayonet thread. 2 1/2" in diameter, 2 1/4" high including base. Holes in base for leads. Of bright aluminum. W12648—Your Cost **10c** Each  
For 10. **85c**

## Aluminum Coil Shield

Bright finish aluminum. One piece. Holes near bottom for bolts. W12649—2 1/4 x 2 1/4" high. W12650—2 1/4 x 4" high. Your Cost **9c** Either  
For 10. **80c**



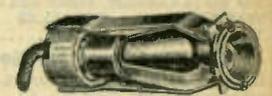
## Cathode-Ray Tuning Indicator



Easily installed in any receiver employing automatic volume control. The complete kit comprises a RCA 6E5 electron-ray tube, a socket and 24" cable, eye-type escutcheon, all necessary hardware and complete instructions.

W11482—Your Cost, Complete **\$1.80**

## Cathode-Ray Visual Tuning Indicator



Affords a visual indication of correct hairline tuning. Easy to install in any set using a.v.c. Assembly comprises everything needed for complete installation.

W11480—Less tube. **75c**  
Your Cost  
RCA 6E5 tube (6-volt) ..... 82c  
Type 2E5 tube (2 1/2-volt) ..... 78c  
Extra mounting bezel for tube. **10c**

## ELECTRICIAN'S TAPE

Both friction and rubber tape are of the highest quality, kept fresh by tinfoil wrapper, and packed in individual boxes. Rubber tape will moisture proof a splice.

FRICTION TAPE			
Stock No.	In Roll	Cost Each	10 Rolls
W14829	2 oz.	5c	45c
W14842	4 oz.	8c	75c
W14843	8 oz.	15c	\$1.40
RUBBER TAPE			
W15040	4 oz.	12c	\$1.10
W15041	8 oz.	25c	2.25

## Fibre Tubing for Coils

Finest quality fibre tubing for coil forms. Have holes for taps and connections.

W10230—2 1/2 x 1 1/4". Your Cost Each **1c**

## Q-Max Impregnants and Finishes

### No. 3 R.F. Lacquer

This compound is the most widely used r.f. lacquer in the radio industry. Being low in loss it may be applied as freely as desired.

W15298—1/2 pint can Your Cost **25c**  
W15299—1 pint can Your Cost **\$1.50**



### Crystalite Black

Here at last is a quick-drying black finishing lacquer that develops a fine crystal-like pattern without heating! No particular skill is needed in applying.

W15302—1/2 pint can Your Cost **25c**  
W15303—1 pint can Your Cost **\$1.25**

### Telephone Black

Q-Max "telephone black" is a semigloss lacquer having substantially the same degree of lustre as the finish on telephone instruments. It does not soil readily, and is self-leveling.

W15300—1/2 pint can Your Cost **25c**  
W15301—1 pint can Your Cost **\$1.25**

### Wrinkle Black

This product was developed for use in finishing metal details where a fine pattern wrinkled surface is required. Heavily bodied, Q-Max Wrinkle Black is lasting.

W15304—1/2 pint can Your Cost **25c**  
W15305—1 pint can Your Cost **\$1.25**

## NATIONAL Coil Dope

For use as a cement for holding windings in position. Does not effect low-loss features of coil form or alter circuit constants. Provides a tough, protective film. Contained in metal can. Shpg. wt. 1 lb.



W15237—Your Cost **90c**

## Color Coding Enamel

Forecolor coding coils, terminals, etc. Green, blue, red, yellow and a bottle of thinner. Two brushes are included. Have your own system of color coding. Adds greatly to appearance of your job.

W15258—Your Cost **30c**

## Liquid Victron

The famous Victron H.F. insulation in liquid form for coating r.f. coils. Dries quickly.

W15260—1-ounce can Your Cost **21c**  
W15308—8-ounce can ..... 76c  
W15275—1-pint can ..... \$1.47

## Crystalline Lacquer

For touching up and refinishing metal panels, chassis. Black. W15259—2-ounce can Your Cost **21c**  
W15309—8-ounce can ..... 65c  
W15274—1-pint can ..... \$1.18

## Phenolic Radio Cement

For speaker cones, Bakelite, metal, wood, hard-rubber, etc.

W15310—2-ounce can Your Cost **76c**  
W15311—8-ounce can ..... 21c  
W15312—1-pint can ..... \$1.47

Mail Your Orders to NEW YORK, CHICAGO or ATLANTA

# Voltage REGULATORS — RECTIFIERS and SPECIAL BULBS

## GENUINE MAZDA PILOT LITE BULBS

These are genuine GE bulbs of American manufacture. They are used for radio dial illumination, as indicators in test instruments, etc. Shpg. wt. 8 oz. per carton of ten. This list fills every radio need.

Stock No.	Type	Volts	Amp.	Each	For Ten
W12250	41	2.5	0.5	9c	54c
W12251	42	3.2	.35	12c	69c
W12252	46	6.3	.25	9c	53c
W12254	40*	6.3	.15	9c	53c

\*"Brown bead" type for a.c.-d.c. sets.

### Special Air-Cell Bulb

Tubular bulb, miniature base. Exceedingly low drain, 0.06 ampere, at 2 volts. W12274—Carton of 10, \$1.18  
Your Cost Each **20c**

### VICTOR-MAZDA Pilot Bulb

Intermediate base, frosted bulb. 110 volts. For use in Colonial, Victor and other receivers. W12253—Carton of 10, \$1.65  
Your Cost Each **17c**

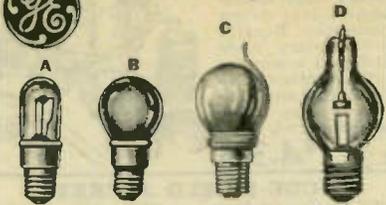
### Special Auto Radio Bulbs

Round bulb, miniature base. 6-8 volts at 0.15 ampere. Mazda type No. 50. W12273—Carton of 10, 59c  
Your Cost Each **10c**

### DIAL LIGHT COLORING

Kit of 4 colors, red, green, blue and amber, and bottle of solvent. Each in screw-top, wide-mouth bottle for easy dipping. Dries in 1 minute. Color is permanent. A money-saver. W15185—Your Cost Per Kit **29c**

## Genuine Tungar Bulbs



Used in battery chargers, "A" eliminators, etc. They can be used in place of Rectigon bulbs of equal rating. Tested.

Stock No.	Type	Rating	Your Cost Each
W21900	A	.6 ampere	<b>\$2.72</b>
W21901	B	2 amps. new	
W21902	C	2 amps. old	
W21903	D	6 amperes	
W21911	D	15 amperes	

### TUNGAR-TYPE BULBS

W21905—0.6 amp. bulb for trickle chargers. Shpg. wt. 1 lb. Your Cost Each **\$1.80**  
W21906—2 amp. bulb with tip. Your Cost Each **\$1.80**  
W21907—2 amp. bulb without tip **\$1.80**  
W21908—6 ampere bulb. Your Cost Each **\$3.95**

### RCA Rectifier Unit

Output 100 volts, d.c. at 100 ma. from 110 volts, a.c. input. Genuine RCA Part No. 5898. W19206—Your Cost Per Pair **\$6.00**  
Single Units, Each **\$3.00**

## NEON GLOW LAMPS

Used extensively in test instruments such as leakage testers, high resistance indicators, short testers, continuity testers, etc. Draw a negligible amount of current. Are extremely sensitive. Glow with a brilliant orange-red radiance. On d.c. only one electrode glows (the negative), but gives as much illumination as do both electrodes on a.c. All operate on 105-125 volts a.c. or d.c. except the 1/2 watt types which operate on a.c. only (this voltage is the minimum striking voltage). Minimum operating volts (approx.); on a.c.—60 volts; on d.c.—100 volts.

### STANDARD EDISON BASE

Stock No.	Type No.	Finish	Watts	Your Cost Each
W12265	G10	Clear	1/2	36c
W12266	G10	Clear	1	36c
W12267	S14	Clear	2	45c
W12262	S14	Red	2	49c
W12263	S14	Yellow	2	49c
W12276	S14	Clear	3	54c

### CANDELABRA BASE

W12264	T4 1/2	Clear	1/2	36c
W12277	G10	Clear	1/2	41c
W12278	G10	Clear	1	41c

### PORCELAIN RECEPTACLES

For Neon Glow Lamps  
W13331—Candelabra base. **7c**  
W13330—Miniature. **9c**  
Either Size, Each  
W13327—Standard base. **9c**  
Your Cost Each

## Genuine Kellogg Tubes Overhead Heater Type

The original overhead heater-type tubes. For use on alternating current. This is the same tube that is used in the old model Sonora and other receivers. All are brand new guaranteed. Type 401—Your Cost **\$2.33**  
Type 403—Your Cost **\$2.94**

### NEON TUBE LAMPS

For Tuning  
Used in Fada, Atwater-Kent, Clarion, etc. Double contact units for Fada late models and A-K; four-prong for Clarion Model 480. Also used for modernizing receivers not equipped with them. W12272—Double-contact neon tube. Your Cost Each **38c**  
W12275—Four-prong. **\$1.25**  
Your Cost Each

### Theatre Exciter Lamps

For sound-on-film. Each measures 3 1/4" long, 1" diameter; equipped with single-contact bayonet base. Factory tested. Type Volts Amps.  
105 10 5.0  
107 10 7.5  
854 8.5 4.0  
Your Cost **49c**  
Any Type

### LAFAYETTE Photo-Cell

Type 868, Caesium type. For use with p.e. equipment or sound-on-film. Anode, 90 volts max., 20 microamps. max. Dynamic sensitivity 40 microamps per lumen. Has standard 4-prong base. Your Cost **\$4.00**  
Each

## Line Cord Resistors

W5241—360 ohms. 2-tube sets.  
W5242—310 ohms. For 4-tube sets using a 6-volt rectifier.  
W5329—230 ohms. For 4-tube sets using a 12-volt rectifier.  
W5330—200 ohms. For 4-tube sets using a 25-volt rectifier.  
W5331—160 ohms. 5-tube sets.  
W5332—150 ohms. 6-tube sets.  
Your Cost Each **30c**  
Any Type

### 220-Volt To 110-Volt Line Cord Resistors

European Or Standard Plug  
For any set up to 7 tubes. American cord equipped with standard male plug and female receptacle; European type resistor cord has foreign plug and standard receptacle. W5243—Standard W5244—Foreign  
Your Cost Each **65c**  
Either Type

### Resistor Tubes

For Replacement  
Standard 4-prong base tubes for a.c.-d.c. sets using these tubes instead of resistor cords. Pilot lite column shows 2 1/2-v., bulbs (.15 amp.).  
Type Voltage Pilot Replace  
No. Drop Lights Type  
185R 54.9 1 50X3  
185R4 54.9 1  
185R8 54.9 2 50X3T  
165R 48.6  
165R4 48.6 1 50B2\*  
165R8 48.6 2 50A2\*  
\*Glass types only.  
Your Cost, Any Type **33c**

## LINE BALLASTS

Line voltage may fluctuate from 95 to 135 volts but these ballasts will maintain constant voltage into receiver or amplifier designed for their use. If desired replacement is not listed, give complete details with remittance and we will ship at once. Shipping weight 2 lbs.

Stock No.	Replacement For	Your Cost Each
W6805	Brunswick	<b>\$1.13</b>
W6806	Clarion	
W6808	Grebe	
W6816	Majestic 70	
W6817	Majestic 72	
W6818	Majestic 80	
W6819	Majestic 90	
W6805	Sonora	
W6823	Stewart-Warner 900	
W6824	Stewart-Warner 950	
W6825	Stewart-Warner R100	

### 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. Shipping weight 8 ozs. W16955—List \$1.25  
Your Cost **30c**

### Line Voltage Regulator

For a.c. sets. Rheostat for adjustment of line voltage to exactly 110 volts. Meter, constantly in line. Saves tubes, parts. Wt. 3 lbs. W11021—List \$7.00.  
Your Cost Each **\$4.12**

## AMPERITE Voltage Regulator Tubes

Keep input voltage to receiver or amplifier constant, resulting in uniform reception and minimizing possibility of overloading resistors and condensers. Excellent money-making item for servicemen—is easily installed on any a.c. receiver using socket listed below. Specify type desired when ordering from listing below.

General Purpose AMPERITES for 110 volt A.C. Receivers			Your Cost Each
W19100—			
No. of Tubes in Set	Use Amperite		Your Cost Each
4-5	5-A-5	<b>\$1.25</b>	
6-7	7-A-5		
8-9-10	9-A-5		
11-12	11-A-5		

### AMPERITE Socket

For use with any of the above. W19101—Your Cost Each **15c**

### Universal Line Reducer

Protects and prolongs life of tubes and parts. Works on a.c. or d.c. Action is automatic—needs no attention. Shpg. wt. 8 ounces. W12619—For sets up to 6 tubes. Your Cost, **49c**  
W12620—For more than 6 tubes. Your Cost, **49c**  
Either Size

### Line Voltage Reducer 220 Volts to 110 Volts

Reduces 220 volts to 110 volts, a.c. or d.c. Just plug into outlet. Handles up to 60 watts. W12621—List \$1.50.  
Your Cost **88c**





# SOLDERING IRONS and ACCESSORIES

## SOLDERING PENCIL



Compact, light-weight—you hold it like a pencil. Heats in one minute. Insulated handle, cork finger guard, 6 ft. approved cord and plug. Removable tip. Rated 20 watts. No stand necessary. For all light work. Shpg. wt. 2 lbs.  
**W1515**—110 volts, a.c. or d.c.  
**W1516**—6 volts, d.c.  
**Your Cost Each** ..... **72¢**

## MAGIC EMBOSsing AND ENGRAVING PENCIL

Will burn lettering, designs, etc. in wood, leather, rubber and other similar materials. Easily used. Heat adjusts itself. Absolutely no danger. Furnished with complete instructions, foil and book of designs. Shpg. wt. 2 lbs.  
**W1518**—110 V. Engraving Kit  
**Your Cost** ..... **95¢**  
**W1517**—110 V. Embossing Kit  
**Your Cost** ..... **78¢**



**IRON STAND**  
 Made of rust resisting metal. Curved to prevent rolling. Ruggedly built—will last as long as more expensive stands.  
**W15219**—Shpg. wt. 1 lb.  
**Your Cost** ..... **15¢**

## Soldering Iron Stand & Holder



Lined with circular, heat-radiating springs. Servicemen can pack their irons without waiting for them to cool. Also acts as stand for iron. Iron nests in holder. Shpg. wt. 3 lbs.  
**W15231**—Your Cost ..... **70¢**

**Snap-it-On Iron Holder**  
 Raises iron 2" from bench. Snaps on any iron. 10 for \$1.80.  
**W15276**—Your Cost ..... **20¢**

## GARDINER Rosin "Cored-Solder"

Quality alloy of tin and lead solder with pure rosin flux inside it. Makes non-corrosive joint.  
**W15307**—Small tin.  
**Your Cost** ..... **12¢**  
**W15306**—1 lb. spool. Shpg. wt. 1 1/2 lbs.  
**Your Cost** ..... **47¢**  
**W15313**—5 lb. spool  
**Your Cost** ..... **\$2.35**

## SOLDERALL

Mixture of paste and powdered solder. Will solder all metals but aluminum. 10 for 75c.  
**W14860**—Your Cost Each ..... **8¢**

## KESTER Dependable Radio Solder

Preferred by radio men everywhere. Will not spatter. Makes clean joints. Servicemen and other large users will find it more economical to buy their solder this way. Flux in core.

Rosin Core		Acid Core		Alum. Solder	
Stock No.	Your Cost	Stock No.	Your Cost	Stock No.	Your Cost
1 lb. Spool	W14857 \$0.15	W14878	\$0.15	W14876	\$0.17
	W14858 .56	W14877	.56	W14845	1.80
5 lb. Spool	W14859 2.65	W14879	2.65		

## Trutest "SPECIAL" SOLDERING IRON

Here is the soldering iron buy of the year. A sturdily constructed electric iron, complete with two screw-on tips, approved cord and plug, replaceable elements of quality Nichrome wire in porcelain tubes. Two sizes; the 60-watt iron is furnished with two 1/2" tips, 5-ft. cord and rubber plug. 100-watt size has one 3/8" tip and 6-ft. cord. Shpg. wt. 3 lbs.  
**W14892**—60-watt Iron  
**Your Cost** ..... **59¢**  
**W14893**—100-watt Iron. **Your Cost** ..... **95¢**



## ESICO HIGH QUALITY SOLDERING IRONS

Esico Irons are preferred by professional and amateur alike. "Constant Duty" irons have replaceable elements of nickel chrome wire. "Midget" and "Junior" models are wound with Grade A nichrome wire. All models have heat proof handles. Shpg. wt. 3 lbs.  
**MIDGET MODEL**  
**W14848**—65 Watt, 110 Volt  
**Your Cost** ..... **\$1.03**  
**JUNIOR MODEL**  
**W14854**—100 Watt, 110 Volt.  
**Your Cost** ..... **\$1.62**  
**CONSTANT DUTY MODELS**  
**W15190**—100 Watt, 110 Volt  
**Your Cost** ..... **\$3.24**  
**W15191**—130 Watt, 110 Volt  
**Your Cost** ..... **\$4.55**



## 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. Heats up in surprisingly short time. Handle is of black wood. Steel shank and brass ferrule. Consumes 55 watts. With 2 tips. Shpg. wt. 3 lbs.  
**W14849**—Your Cost ..... **75¢**

## JACKSON SOLDERING IRON

This is a full size soldering iron. 11" in length. Black enamel handle and nickel plated metal case. Removable tip 1/4" in diameter. 50 watt iron. Shpg. wt. 2 lbs.  
**W14850**—List \$1.25. **Your Cost** ..... **65¢**



## JACKSON Heavy Duty Irons

Extra heavy duty irons designed especially for industrial or shop use. Heating element and all parts are renewable. Tip removable. Metal parts nickel plated. Designed for constant service. Shpg. wt. 2 lbs.  
**W14874**—75 watt iron. List \$2.75  
**Your Cost** ..... **\$1.50**  
**W14853**—100 watt iron. List \$3.75  
**Your Cost** ..... **\$1.85**



## Trutest DeLuxe Irons

Such outstanding features as—gun-metal tube—ni-chrome element wound on steel core—mica insulation throughout—spring cord protector—rubber plug. Complete with wire iron holder that prevents accidental damage to top of work bench. All work on either a.c. or d.c. Shpg. wt. 3 lbs.  
**W15180**—75 Watt, 110 Volt  
**Your Cost** ..... **\$1.45**  
**W15197**—Same for 220 Volt ..... **\$1.65**  
**W15182**—100 Watt, 110 Volt  
**Your Cost** ..... **\$1.85**  
**W15198**—Same for 220 Volt ..... **\$2.20**  
**W15184**—150 Watt, 110 Volt  
**Your Cost** ..... **\$2.95**  
**W15199**—Same for 220 Volt ..... **\$3.25**



## NEW! SUPREME HANDY SOLDERING TOOL

A radically new and efficient soldering tool manufactured by the Supreme Instrument Corp. Has three different core heats controlled by cord switch. Tip may be extended 6 inches for work in tight places, and may be set at any desired angle. Replaceable element. Heats up rapidly. Shpg. wt. 3 lbs.  
**W14821**—Triple-heat, 75, 125 and 200 watts.  
**Your Cost** ..... **\$6.60**  
**W14822**—Single-heat, 125 watts.  
**Your Cost** ..... **\$5.88**



## "AMERICAN BEAUTY" IRON

America's most famous soldering iron. Made for those who want the very best. The very finest materials and workmanship throughout. Metal parts are nickel plated and highly polished. Improved heat-proof handles. Length 12 1/2". Full 100 watt rating. Complete with 1/4" tip and cord. Shipping weight 3 lbs.  
**W14855**—**Your Cost Each** ..... **\$5.85**  
 A smaller "American Beauty" with straight metal case for ease in soldering in corners and tight places. Consumes 50 watts; 1/4" tip. Shipping weight 2 lbs.  
**W14856**—Your Cost ..... **\$3.45**

## MARVEL SOLDERING IRON

Conservatively rated at 40 watts. Operates on 110 volts, a.c. or d.c. Nichrome wire element. Hardwood handle. Overall length 10 1/4", copper tip 2 3/8". With 4-ft. cord and plug. Suitable for all radio service and experimental work. Holds its heat well. Can be used in tight corners where a larger iron is likely to damage resistors, condensers, etc. Shpg. wt. 1 lb.  
**W14873**—**Your Cost** ..... **28¢**  
**Special Per Dozen** ..... **\$3.05**



## KESTER Paste Flux

An entirely new, different, and far more efficient soldering paste flux, designed for the serviceman, constructor, and for speeding-up production. Results in better soldering. Packed in handy sized tins. Contains 2 oz. of flux. Only small quantity necessary for joints and that little makes a clean, bright joint.  
**W15278**—**Your Cost** ..... **12¢**



## Aluminum Solder Kit

Kits contain special solder flux and solder for soldering on aluminum; wire brush, illustrated instructions. Shpg. wt. 1 lb.  
**W15200**—Small Kit  
**Your Cost** ..... **58¢**  
**W15201**—Medium Kit  
**Your Cost** ..... **\$1.10**  
**W15202**—Large Kit  
**Your Cost** ..... **\$3.15**



# Fixture Wire and Accessories

## SPECIAL VALUE!

### Cotton Twisted Pair



18 Gauge, 1/4" R.C. wire with a cotton covering offered at prices below the actual market. 2 colors—white or yellow and green mixture. Specify color.

W20902—Your Cost: 100 Ft. 250 Ft. 1000 Ft.  
**90¢ \$1.95 \$6.90**

### All Rubber Parallel Lamp Cord Approved Type



Developed to meet the demand for an abrasion and water-proof wire. The two conductors are sheathed in a coating of tough live rubber. A ridge between these conductors allows them to be easily separated without fear of ruining the insulation. In Black, Green, Ivory and Brown. Specify color desired. Shpg. wt., per 100 ft., 3 lbs.

W20920—18 Gauge—Your Cost Per Ft. 100 Ft. 500 Ft.  
**1 1/2¢ \$1.10 \$5.25**

### Heavy Rubber Cord



The thick belt of flexible rubber that covers the conductor is made of smooth oil-resisting, abrasion proof, high quality rubber. Especially suitable for outdoor work, in garages, for portable devices, or on any job where ability to withstand abuse is a prime factor. Shpg. wt. 7 lbs. per 100 ft.

Stock No.	Size	Per Ft.	Per 100
W20945	18—2-wire	3c	\$2.75
W20946	16—2-wire	4c	3.75
W20947	14—2-wire	6c	5.40
W20948	18—3-wire	4c	3.20

### Heavy Twisted Pair



Standard 1/4" rubber wall, 14 gauge. Finest wire obtainable for jobs that call for a wire of large current carrying capacity and ability to stand plenty of abuse. Shpg. wt. 5 lbs. per 100 ft.

W20890—Your Cost, Per Foot. 2¢  
 Per 100 Feet \$1.90

### Parallel Silk Cord

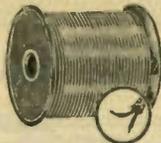


Consists of two conductors laid parallel and covered with braided silk. Has inner braid. Approved by Underwriters. The neatest cord for portable lamps, extension lights, etc. Available in popular colors. Shpg. wt. 3 lbs. per 100 ft.

18 Gauge 1/4" R.C.  
 W20897—Black W20899—Brown  
 W20898—Old Gold  
 W20900—Maroon  
 Your Cost, Per Foot. 1¢  
 100 ft. 96c 500 ft. \$4.75

18 Gauge 1/4" R.C.  
 W20891—Black W20893—Brown  
 W20892—Old Gold  
 W20894—Maroon  
 Your Cost, per Foot. 1 1/2¢  
 100 ft. \$1.25 500 ft. \$5.95

### Parallel Silk Lamp Cord



Popular type for connecting radio receivers, lamps, etc. Overall covering of silk braid.

18 Gauge—1/4" Wall  
 W20836—Maroon W20838—Brown  
 W20837—Old Gold  
 Your Cost, Per Foot. 1¢  
 100 ft. 75c 500 ft. \$3.25

20 Gauge—1/4" Wall  
 W20839—Maroon W20841—Brown  
 W20840—Old Gold  
 Your Cost, 25 Feet. 19¢  
 100 ft. 60c 500 ft. \$2.70

### BATTERY CABLE



A high grade, heavily insulated cable with each lead a different color for easy identification.

Stock No.	No. Wires	Per Ft.	Per 100 Ft.
W16089	3	2c	\$1.95
W16090	4	2 1/2c	2.45
W16091	5	3 1/2c	3.10
W16092	6	4c	3.50
W16093	7	5c	3.95
W16094	8	5 1/2c	4.95
W16095	9	6c	5.50
W16096	10	6c	5.50

### TELEPHONE WIRE



Service men will find this wire of great use in general work, especially when hooking up the very popular inter-communication phones in private homes. No. 19 Gauge.

2-Conductor  
 W20895—Shpg. wt. 2 lbs. 100 ft. 100 Ft. 500 Ft. 1000 Ft.  
 Your Cost \$1.25 \$5.90 \$9.90

3-Conductor  
 W20896—Shpg. wt. 3 lbs. 100 ft. 100 Ft. 500 Ft. 1000 Ft.  
 Your Cost \$1.95 \$8.95 \$14.90

### Single Fixture Wire



Silk covered single conductor fixture wire available in White, Maroon and Old Gold. Specify color desired.

18 Gauge—1/4" Wall  
 W20916—Your Cost: 100 Ft. 500 Ft. 1000 Ft.  
 60c \$2.75 \$4.95

18 Gauge—1/4" Wall  
 W20915—Your Cost: 100 Ft. 500 Ft. 1000 Ft.  
 50c \$1.95 \$3.75

20 Gauge—1/4" Wall  
 W20914—Your Cost: 100 Ft. 500 Ft. 1000 Ft.  
 40c \$1.80 \$3.50

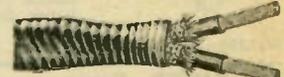
### Asbestos Heater Cord



Heavy asbestos covered wire with an overall braid of tightly woven rayon. Used on toasters, electric irons, heating pads, etc. Shpg. wt. 3 lbs. per 100 ft.

W20931—Your Cost: 100 Ft. 500 Ft.  
 2c 95c \$4.24

### 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.  
 W20855—1-Cond. 1c \$0.95  
 W20856—2-Cond. 2c 1.95  
 W20857—3-Cond. 3c 2.80

### Power Cord and Plug



Attractive, hi-quality 6-foot cord with sturdy plug. For replacement on sets, appliances, etc.  
 W13285—Your Cost. 14¢

### NICHROME WIRE



Three standard sizes furnished on one spool, to take care of all repair work. 10 ft. coiled, 100 ft. uncoiled and 60 ft. of ribbon. Shpg. wt. 3 lbs.  
 W13226—Your Cost. \$2.20

### NOTE

We carry a tremendous stock of wire at all times and are prepared to make large quantity shipments at special prices.

### Bakelite Handle Plug

Genuine Bakelite with handle grip. Prevents pulling out wires. Sturdy prongs.

W13281—Your Cost Each. 3¢  
 Carton of 25. 68c

### Without Handle

Same as the above, but without the handle grip.  
 W13304—Each. 2¢  
 Per Dozen. 20c Per 100. \$1.35

### Soft Rubber Handle Plug

Handle plug made of soft rubber. Cannot crack or break. Best type to use for portable tools, vacuum cleaners, etc.

W13301—Your Cost Each. 4¢  
 Carton of 10. 33c

### Trio Plug

Bakelite. Three outlets from 1 plug.  
 W13282—Your Cost Each. 5¢  
 Per Dozen. 50c

### Fused Trio Plug

Same as above, but fused. Prevents main fuse from blowing; protects appliances.  
 W13249—Your Cost Each. 20¢

### Fused Cord Plug

Same as the above fused trio plug, but attaches directly to the cord.  
 W13229—Your Cost Each. 16¢

### Bakelite Outlet

Made of brown Bakelite. Screws into the baseboard. Easy to use and install.  
 W13312—Your Cost Each. 8¢

### Current Tap

Straight socket combined with two cap outlets.  
 W13278—Your Cost Each. 9¢  
 Carton of 10. 78c

### Feed-Thru Switch

Bakelite. Compact and very sturdy.  
 W13275—Each. 14¢  
 Carton of 10. \$1.20

### Push Button

Pearl button. General purpose.  
 W12830—Each. 12¢  
 Per Dozen. \$1.35

### Bell Ringing Transformer

Primary 110 volts a.c. Secondary 6-8 volts. Wire leads on primary, posts on secondary.

W13245—39¢ Each

### Outlet Box Receptacles

Fit the standard outlet boxes. Approved by the Underwriters. Shpg. wt. 1 lb.

W13328—Single Your Cost Each. 7¢  
 W13329—Double Your Cost Each. 8¢

### Fitzall Flatiron Element

Fits over 90% of the standard irons, including G.E. Hot Point, Sunbeam, etc.  
 W13270—Your Cost Each. 22¢  
 Carton of 10. \$2.10

### Heater Elements

Best grade Resistance wire with standard base to fit all heaters.

W13304—Cone Shape. Your Cost Each. 22¢  
 Carton of 10. \$2.10

W13305—Straight Type. Your Cost Each. 27¢  
 Carton of 10. \$2.50

### Nickel Chrome Element

600 watt spiral wound elements. Exact size, no cutting necessary.  
 W13317—3/8" dia. 7¢  
 Your Cost Each. 12¢  
 W13318—1/2" dia. 12¢  
 Your Cost Each. 12¢

### Plug Fuses

Crystal mica window makes inspection easy. Not to be confused with the ordinary cheap type of plug that often comes apart when inserting. All ratings marked directly on top of fuse.

W13200—6 amp. Your Cost Each. 3¢  
 W13201—10 amp. 3¢  
 W13202—15 amp. 3¢  
 W13203—20 amp. 3¢  
 W13204—30 amp. 3¢  
 Carton of 5. 14c

### CARTRIDGE FUSES

STANDARD APPROVED TYPES

W13205—20 amp. Your Cost Each. 6¢  
 W13206—30 amp. 6¢  
 Your Cost Each. 50c  
 Carton of 10. 50c

# Hook-up and Magnet Wire

## CORNISH CORNISH HOOKUP WIRE

Manufactured by one of the most reputable wire manufacturers in the industry. Put up on metal spools. Finest quality, full length, exact gauge—note the low prices!  
**YOUR COST ANY SPOOL LISTED BELOW**  
 Your Cost For Any Six Spools Listed Below **\$2.25**

**Solid Push-Back Wire (Braidite)**

Stock No.	Gauge	Color	Lgth. Ft.
W16184	#22	Red	100
W16185	#22	Black	100
W16186	#22	Green	100
W16188	#18	Red	50
W16189	#18	Black	50
W16190	#18	Green	50

**Colored Rubber Wire Stranded**

Stock No.	Gauge	Wall	Color	Lgth. Ft.
W16070	#18	1/4	Red	400
W16071	#18	1/4	Black	100
W16072	#18	1/4	Green	100
W16074	#16	1/4	Red	50
W16075	#16	1/4	Black	50

**Stranded Push-Back (Braidite)**

Stock No.	Gauge	Color	Lgth. Ft.
W16192	#20	Red	85
W16193	#20	Black	85
W16194	#20	Green	85
W16196	#18	Red	50
W16197	#18	Black	50
W16198	#18	Green	50

**Cor-Lac Push-Back Wire (SPECIAL LACQUERED INNER BRAID)**

Stock No.	Gauge	Color	Lgth. Ft.
W16052	#20 Solid	Red	100
W16053	#20 Solid	Black	100
W16054	#20 Solid	Green	100
W16055	#18*	Red	75
W16056	#18*	Black	75
W16057	#18*	Green	75

\* Stranded.

**Silk-Covered Litz Wire**

Has lower skin resistance than any other wire. Ideal for i.f., r.f. coils, loop aerials, etc.

W16152—100-ft. coil	<b>12¢</b>
W16153—1000-ft. coil	<b>90¢</b>

Your Cost

**Lacquered Hookup Wire**

Rubber insulated with lacquered braid overall. Strands tinned. Easily soldered and worked.

W16344—100-ft. coil	<b>29¢</b>
W16345—250-ft. coil	<b>69¢</b>

Your Cost

## Push Back WIRE

**Solid Tinned Copper Core Type**

No stripping is necessary. Just push back the double cotton-covered moisture-proofed braid. No. 20 wire. Four colors for circuit identification. Weight 2 lbs. per 100 feet.



**Stranded Tinned Copper Core Type**

Very flexible wire of multi-strand tinned copper; equivalent to No. 20. Cotton braid pushes back easily. Available in 4 colors. Weight, 2 lbs. per 100 feet.

**25-Foot Coils**

W16350 Red	W16352-Black
W16351-Green	W16353-Yellow

Your Cost, Per Coil **10¢**

**25-Foot Coils**

W16354-Red	W16356-Black
W16355-Green	W16357-Yellow

Your Cost, Per Coil **11¢**

**50-Foot Coils**

W16358 Red	W16360-Black
W16359 Green	W16361-Yellow

Your Cost, Per Coil **18¢**

**50-Foot Coils**

W16362 Red	W16364-Black
W16363 Green	W16365-Yellow

Your Cost, Per Coil **21¢**

**100-Foot Coils**

W16366-Red	W16368-Black
W16367-Green	W16369-Yellow

Your Cost, Per Spool **33¢**

**100-Foot Coils**

W16370-Red	W16372-Black
W16371 Green	W16373-Yellow

Your Cost, Per Spool **40¢**

**1000-Foot Spool**

W16374-Red	W16376-Black
W16375-Green	W16377-Yellow

Your Cost, Per Spool **\$3.05**

**1000-Foot Spool**

W16378 Red	W16380-Black
W16379 Green	W16381-Yellow

Your Cost, Per Spool **\$3.30**

**No. 14 Tinned Solid Copper Push-Back Wire**

Designed for heavy-duty work in power amplifiers, transmitters, etc. Cotton wrapper with heavy lacquer insulating material and final layer of impregnated cotton braid. High breakdown voltage.

**25-Foot Coils**

W16341-Black	W16339-red
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Your Cost, Per Coil **24¢**

**100-Foot Coils**

W16348-Black	W16346-Red
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Your Cost, Per Coil **90¢**

## Magnet Wire

Finest grade obtainable. Ideal for r.f. coils, chokes, armatures, etc. On wood spools. Write for special prices on larger quantities or sizes not listed below. All continuous lengths.

**DOUBLE SILK COVERED**

Stock No.	Size B&S	Ft. Per Lb.	Your Cost 1/4 Lb.	Your Cost 1/2 Lb.	Your Cost 1 Lb.
W20962	18	199	\$0.23	\$0.45	\$0.45
W20963	20	314	.26	.47	.47
W20964	22	494	.28	.55	.55
W20965	24	778	.33	.62	.62
W20966	26	1220	.39	.72	.72
W20967	28	1910	.46	.81	.81
W20968	30	2960	.53	.97	.97
W20969	32	4570	.70	1.26	1.26
W20970	34	6980	.90	1.83	1.83
W20971	36	10500	1.23	2.69	2.69

**PLAIN ENAMELED**

Stock No.	Size B&S	Ft. Per Lb.	Your Cost 1/4 Lb.	Your Cost 1/2 Lb.	Your Cost 1 Lb.
W20950	16	125	15c	20c	20c
W20951	18	202	16c	20c	20c
W20952	20	319	16c	21c	21c
W20953	22	506	17c	24c	24c
W20954	24	804	19c	26c	26c
W20955	26	1280	20c	28c	28c
W20956	28	2030	21c	31c	31c
W20957	30	3220	23c	34c	34c
W20958	32	5100	25c	37c	37c
W20959	34	8080	30c	45c	45c
W20960	36	12800	38c	56c	56c
W20961	38	20300	48c	73c	73c

**DOUBLE COTTON**

Extremely popular with amateurs and experimenters. Highest quality.

Stock No.	Size B&S	Ft. Per Lb.	Your Cost 1/4 Lb.	Your Cost 1/2 Lb.	Your Cost 1 Lb.
W20973	16	122	\$0.18	\$0.23	\$0.23
W20974	18	192	.20	.26	.26
W20975	20	298	.22	.29	.29
W20976	22	464	.24	.30	.30
W20977	24	711	.26	.37	.37
W20978	26	1090	.31	.48	.48
W20979	28	1630	.35	.57	.57
W20980	30	2420	.41	.73	.73
W20981	32	3500	.50	.90	.90
W20982	34	4920	.62	1.14	1.14
W20983	36	6660	.79	1.40	1.40

**HANDY SIZE SPOOL ASSORTMENT**

For those desiring less than 1/4 lb. of magnet wire, these handy low-priced spools have been made available. All are wound on spools and marked. Number of feet on spool is listed for each type and size.

DOUBLE COTTON			DOUBLE SILK			ENAMELED		
Gauge	Stock No.	Ft. In Spool	Stock No.	Ft. In Spool	Stock No.	Ft. In Spool	Stock No.	Ft. In Spool
14	W16500	21	W16514	19	W16528	25		
16	W16501	33	W16515	25	W16529	40		
18	W16502	42	W16516	31	W16530	48		
20	W16503	60	W16517	42	W16531	85		
22	W16504	81	W16518	60	W16532	133		
24	W16505	110	W16519	83	W16533	200		
26	W16506	148	W16520	101	W16534	292		
28	W16507	168	W16521	119	W16535	420		
30	W16508	192	W16522	141	W16536	590		
32	W16509	216	W16523	163	W16537	805		
34	W16510	242	W16524	190	W16538	1150		
36	W16511	266	W16525	219	W16539	1560		
38	W16512	294	W16526	243	W16540	1980		
40	W16513	325	W16527	275	W16541	2430		

**Your Cost Each, Any Spool **15¢****

## RUBBER-COVERED HOOKUP WIRE

**Colored Rubber Wire**

Stranded and tinned copper wire covered with a live colored rubber compound. Very flexible; easy to strip. Solders instantly. Available in three standard colors.

**Heavy Duty Stranded**

**NO. 16 RUBBER COVERED**

W16280—black	W16281—red
--------------	------------

50 Ft. 100 Ft. 500 Ft.  
 Your Cost 30c 55c \$2.65

**25 Foot Coils**

W16272—Red	Your Cost Each
W16273—Black	<b>12¢</b>
W16274—Green	

**1000 Foot Spools**

W16108—Red	Your Cost Each
W16109—Black	<b>\$3.75</b>
W16110—Green	

**Stranded No. 14 Gauge**

W16121—black	W16120—red
--------------	------------

25 Ft. 50 Ft. 100 Ft.  
 Your Cost . 35c 65c \$1.20

**Stranded No. 12 Gauge**

W16122—black	W16123—red
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25 Ft. 50 Ft. 100 Ft.  
 Your Cost . 48c 90c \$1.75

## SERVICE WIRE KIT



Contains about 200 feet total of lengths from 4" to 24"—push-back, r-c hookup, shielded, twisted, lamp cord, heavy a.c. leads, spaghetti, etc. Shpg. wt. 5 lbs.  
 W16299—In box **25¢**  
 Your Cost

## Spaghetti and Bus Bar

Highest grade cambric tubing. Red, yellow, green and black.  
 W15960—Specify Color  
 Per 30-Inch Length **6¢**  
 Your Cost 10 Lengths . . . . . 54c

## Service Wire Bundles

Lengths range from 2" to 1 foot. Both ends tinned. Include, push-back, r-c hookup, lacquered cotton braid, etc. All standard.

W16049—1-lb. bundle	<b>25¢</b>
W16048—2-lb. bundle	<b>45¢</b>
W16047—3-lb. bundle	65c
W16046—5-lb. bundle	98c

## BELL WIRE

An excellent grade of No. 18.  
 W16338—1/2 lb. roll  
 Your Cost . . . . . 13c  
 W16051—25 ft. roll  
 Your Cost . . . . . 5¢

**WIRE STRIPPER**

Strips insulation from wire easily and cleanly. Saves time. Cutting edge of tempered steel that will retain its hardness.  
 W15044—Each . . . . . 9¢

# BELDEN RADIO PRODUCTS



## BELDEN Hook-Up Wire

No. 18 Stranded Tinned Copper, insulated with  $\frac{1}{4}$ " Belden color-rubber.

25-ft. coils available in green, blue, red, brown,

yellow or natural. Specify color. **W16290**—25-ft. coil. **Your Cost** **18¢**

### 1000-Foot Spools

1000-ft. spools available in brown or red. Specify color desired on order. Shpg. wt. 10 lbs. **W16291**—Your Cost **\$3.87**

## Belden Celanese Wrapped

### Push-Back Solid Wire



No. 20 solid tinned copper wire with push-back double wrap of Celanese colored braid, paraffined. Easily worked.

No stripping necessary. In green, blue, red, yellow or black. Specify color desired when ordering. **W16066**—25-ft. coil. **Your Cost** **21¢**

**W16067**—1000-ft. spool. **Your Cost** **\$4.68**

### Stranded Push-Back Wire

Similar to the above, but with No. 20 stranded wire. In green, blue, red, yellow or black. Specify color desired when ordering. **W16068**—25-ft. coil. **Your Cost** **21¢**

**W16069**—1000-ft. coil. **Your Cost** **\$5.31**

## BELDEN Lead-in Strips

With Rubber

Covering



Tough Colorrubber insulation over thin, flat strip. Clips riveted and soldered at both ends. 12" long. **W17099**—Your Cost **6¢**

**Per 100** **\$5.70**

## BELDEN Twisted Lead-In Wire



Doublet style twisted lead-in for low impedance coupling. Consists of two No. 20 (10x30 tinned) conductors with paper wrap and  $\frac{1}{4}$ " rubber wall. Color coded. Overall braid of black cotton, waxed and weather proof. Shpg. wt., 80 ft., 3 lbs. **W16172**—80 ft. coil. **Your Cost** **99¢**

**W16174**—500 ft. spool. **Your Cost** **\$6.24**

Similar to above, but with No. 19 solid conductors. For 5 and 10 meter x'mitters, etc. **W16175**—500 ft. spool. **Your Cost** **\$5.76**



## BELDEN All Rubber Lead-in Wire

Well known for its special rubber compound covering which strips quickly and easily.

Shpg. wt. per 100 ft., 3 lbs. **W16225**—No. 14 Seven-Strand. 50 ft. per Carton. **Your Cost** **\$0.51**

250 ft. per Spool. **Your Cost** **2.46**

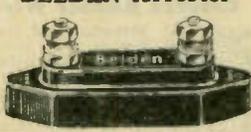
**W16226**—No. 16 Seven-Strand. 50 ft. per Carton. **Your Cost** **\$0.30**

250 ft. per Spool. **Your Cost** **1.29**

500 ft. per Spool. **Your Cost** **2.43**

**W16227**—No. 18 Seven-Strand. 500 ft. per Spool. **Your Cost** **\$2.01**

## BELDEN Arrester



A thoroughly reliable protector for outdoor or indoor use. Bakelite case. Resistor type. Listed as standard by National Board of Fire Underwriters. Furnished with \$100.00 guarantee. **W16750**—Your Cost **15¢**

## BELDEN Indoor Aerial and Litz Wire

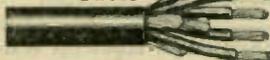
Specialty covered wire, ideal for indoor aerials and for winding radio loops. Shipping weight per spool, 3 lbs. **W16125**—Brown Rayon 190 ft. **Your Cost** **60¢**

**W16126**—Brown Cotton 60 ft. **Your Cost** **27¢**

**W16127**—Brown Cotton 1000 ft. **Your Cost** **\$3.24**

**W16128**—100 ft. Litz Wire 20-38 stranded Beldenmetal with two serviceings of green silk. **Your Cost, Per Spool** **51¢**

## Rubber Sheathed Multiple Conductor Cable



Specialty designed for portable amplifiers with one to three remote speakers. Conductors are No. 18 (41x34 bare), cotton served,  $\frac{1}{4}$ " rubber wall, color coded. They are cabled with fillers, wrap of cotton with rubber sheath overall.

**Stock No.** **Your Cost**

No. Con. O.D. Per ft. 250 ft.

**W20880**—3 .265" 3/4¢ 57.77

**W20881**—4 .300" 4/4¢ 9.63

**W20882**—5 .350" 6¢ 12.24

## Filament Lead Wire

No. 14 wire (41 strands of No. 30 wire). Stranded tinned copper. Double serve of Celanese, colored braid paraffined. Especially well suited for filament wiring. Furnished in red or black. Specify color. Wt. 3 lbs./100 ft. **W16158**—25-ft. coil. **Your Cost** **39¢**

**W16159**—500-ft. spool. **Your Cost** **\$5.76**

## Tinned Copper Shielding



The finest copper shielding available. Fine mesh closely woven; assures perfect shielding. Shpg. wt. per 100 ft., 4 lbs. **W16214**—Inside diam.  $\frac{1}{4}$ " 2 1/2¢

**Your Cost per Foot** **51.02**

**W16215**—Inside diam.  $\frac{3}{8}$ " 3 1/2¢

**Your Cost per Foot** **55.04**

**W16216**—Inside diam.  $\frac{1}{2}$ " 9 1/2¢

**Your Cost per Foot** **53.70**

## Shielded Ignition Wire



Ideal for use in auto radio installations. Consists of a standard 7 mm. lacquered braided wire covered by a tinned copper shield. Shpg. wt., 100 ft. 4 lbs. **W16221** Per Foot... **8 1/2¢**

**W16222**—100 ft. spool. **Your Cost, Special** **\$7.14**

## Beldenmetal Aerial Wire

Finest grade copper, heavily enameled. The 1000 ft. length is wound on a steel spool. Shpg. wt. per 100 ft., 4 lbs. **W16232**—7x20 Beldenmetal. Suited for short-wave aerial systems. 100 ft. **Your Cost** **\$0.96**

1000 ft. **Your Cost** **9.48**

**W16233**—7x22 Beldenmetal. 75 ft. **Your Cost** **\$0.39**

100 ft. **Your Cost** **.51**

150 ft. **Your Cost** **.75**

1000 ft. **Your Cost** **4.92**

**Solid Beldenmetal**

**W16233**—No. 10 100 ft. **Your Cost** **\$0.95**

1000 ft. **Your Cost** **9.36**

**W16230**—No. 12 100 ft. **Your Cost** **\$0.63**

1000 ft. **Your Cost** **5.94**

**W16231**—No. 14 100 ft. **Your Cost** **\$0.39**

**Tinned Aerial Wire**

An old standby. Very popular where good installations are wanted. 7x22. Shpg. wt. per 100 ft. 4 lbs. **W16228**—100 ft. per coil. **Your Cost** **45¢**

1000 ft. per spool. **Your Cost** **\$4.50**

**Test Prod Lead Wire**

Extra flexible No. 18 wire (41 strands of No. 34 tinned copper). Has  $\frac{1}{8}$ " wall of special rubber insulation with attractive waxed finish. In red or black. Specify color. **W16337**—Per 100-ft. **Your Cost** **\$1.08**

**BELDEN "TRUBLITE"**

For home, shop, garage, truck, etc. 15 feet of all-rubber lump cord terminated with large clips. **For a 6-volt source, With 6-volt, 25-watt Mazda bulb.** **W15161**—Shpg. wt. 3 lbs. **Your Cost** **\$1.85**

**Complete**



## BELDEN Shielded Lead-in and Ground Wire

Effective in reducing man-made static. Stranded core with a heavy braid of fine tinned copper wire. Easy strip rubber insulation. Average shpg. wt. 4 lbs. per 100 ft. Stock **Your Cost**

No. Gauge 50 ft. 250 ft.

**W16298**—Size 14 \$1.08 \$5.10

**W16210**—Size 16 .69 \$3.60

## Shielded Rubber Sheathed Mike Cable



Designed for greatest durability. Each conductor 26x34 tinned copper with cotton wrap, color coded rubber wall; conductors cabled and covered with cotton wrap, tinned copper shield, cotton wrap over shield and overall rubber sheath. Stock No. **Your Cost**

No. Con. O.D. Per ft. 100 ft.

**W20876**—2 .280" 5¢ \$4.02

**W20845**—3 .280" 5¢ 4.32

**W20877**—4 .345" 6¢ 5.46

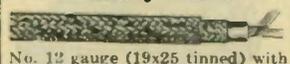
**W20878**—5 .390" 8¢ 6.60

**W20879**—6 .430" 9¢ 7.77

**W20846**—7 .430" 10¢ 8.49

# Shielded WIRE

## BELDEN Shielded Primary Wires



No. 12 gauge (19x25 tinned) with colored cellophane serve, .031" rubber wall, glazed cotton braid lacquered and an overall tinned copper shield. Wt. 4 lbs. per 100 ft. **W16223**—100 ft. for \$3.30. **Your Cost per Foot** **4¢**

No. 14 gauge. Same as above, but with .027" rubber wall. **W16218**—100 ft. for \$2.80. **Your Cost per Foot** **3 1/2¢**

No. 16 gauge. Same as above, but with .022" rubber wall. **W16219**—100 ft. for \$2.28. **Your Cost per Foot** **3¢**

## Crystal Mike Cable

13x36 tinned copper, two serves of Celanese, four braids of cotton waxed; tinned copper shield; overall rubber sheath. 250" diam. **W20844**—Per Foot **4¢**

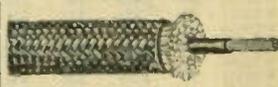
100 Ft. for **\$3.24**

## Two Conductor

Same as above, but for multi-cell crystal mikes. .350" diam. **W20854**—Per Foot **8¢**

100 Ft. for **\$6.33**

## Shielded Auto-Radio Lead-in Wire



Low capacity cable for auto-radio lead-ins. No. 18 stranded conductor (16x30) cotton wrapped with  $\frac{1}{8}$ " rubber wall. Cabled with jute fillers and shielding overall. **W20861**—500" diam. **Your Cost per Foot** **7¢**

100 Ft. for **\$5.73**

Similar to the above, but with four waxed cotton braids. Less jute. **W20883**—250" diam. **Your Cost per Foot** **3 1/2¢**

100 Ft. for **\$3.00**

Same as the above, but with rubber sheath overall. .325" diam. **W20884**—**Your Cost per Foot** **5¢**

100 Ft. for **\$4.00**

## BELDEN Shielded Hook-up Wire

No. 18 hook-up wire with closely woven tinned copper shielding. For use with screen grid tubes. Shpg. wt. 3 lbs. 100 ft. **W16294**—Your Cost **\$1.02**

We can supply Belden wire in large quantities at special prices. Write for information, giving complete details.



# AERIAL ACCESSORIES

## Arresters

**ONLY 7¢ EACH**



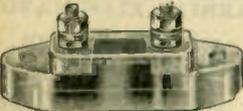
Housed in brown, glazed porcelain; approved. With brass screw terminals. 1 x 1-3/4 x 3-1/2" overall. **7¢**  
**W16753—Your Cost Each.....**  
**12 for 70c 100 for \$6.50**

### All-Bakelite Arrester



Molded Bakelite housing. Approved by Underwriters. Non-airgap type. **W16705—Shpg. wt. 1 lb. 7¢**  
**Your Cost Each.....**  
**100 FOR.....\$6.50**

### Brach Neon Arrester



Uses a NEON TUBE instead of air-gap or resistance. By far the most sensitive arrester made; slightest induction is shunted to ground. You can watch it work. Wt. 1 lb. **W16700—Your Cost Each.....59¢**  
**NEON ARRESTER FOR DOUBLET ANTENNAS**  
**W16701—Your Cost Each.....82¢**

### Arrester for Doublets

A new approved arrester for the doublet type of antenna. Is of the air-gap type carefully insulated from ground. Housed in heavy, glazed porcelain. **W16950—Wt. 1 lb. 18¢**  
**Your Cost Each.....**

### Shielded Electro-Static Arrester



A lightning arrester and static noise reducer in one! Contains condenser and choke coil which act as noise reducing filter, and a shield over ground. Porcelain housing with nickel plated hardware. **W16755—Your Cost Each.....43¢**

### Polarized Antenna and Ground Connector

Convenient for connecting aerial and ground from set to lead-ins. Consists of male and female plugs with metal tabs polarized so that the plug can not be inserted incorrectly. Eliminates dangling wires and improves installation. **W16157—Complete Your Cost Per Set.....24¢**

### Insulated Staples

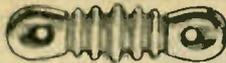
For holding inside lead-in and ground wires in place. Per 100 **W15950—Your Cost....10¢**  
**Per 1000.....95¢**



We carry the world's largest stock of antenna equipment and kits and can furnish you with aerial material for any type of installation for any band and any power.

## INSULATORS

### Pyrex Insulators



Used by the U. S. Army and Navy, commercial services and amateurs. The finest glass insulator made. **Stock Length Power Your No. Inches Rating Cost**  
**W16805 3 3/4 Med. 50.17**  
**W16806 7 3/4 1/2 Kw. .68**  
**W16807 12 1/2 1 1/2 Kw. 2.06**

### GLASS INSULATORS

Special tempered glass, unaffected by heat or cold. High tensile strength. Rigid. **W16850—3" long Your Cost Each.....3¢**  
**Lots of 100.....\$2.55**  
**W16851—4" long Your Cost Each.....4¢**  
**Lots of 100.....\$3.50**

### Porcelain Insulators

Strain insulators made of glazed porcelain. 1/4" holes. **W16802—2 1/2" long Your Cost Each.....2¢**  
**Per 100.....\$1.70**  
 High-quality, heavy, ridged porcelain insulators. 3/8" holes. **W16803—3 3/4" long Your Cost Each.....4¢**  
**Per 100.....\$3.25**



### Wall Insulator

For supporting wiring or apparatus. Glazed, ridged porcelain; 2 1/2" high. Plated nut and screw. **W16735—Shpg. wt. 8 oz. 7¢**  
**Your Cost Each.....**  
**Your Cost for 10.....63¢**

### Large Stand-Off

Extra-heavy glazed porcelain. Ribbed body for increased surface. 4" long. Hole for wire. **W16800—Net Each.....7¢**  
**Lots of 10.....65¢**

### PORCELAIN TUBES

Brings lead-in into building without cutting wire or causing leakage. Needs 3/8" hole; takes 3/8" wire. **W16860—5" long Your Cost Each.....3¢**  
**Your Cost Per 10.....23¢**

### NAIL-IT KNOBS

Heavy white porcelain. Leather washer under nail head. 1 1/2" high, 1 1/4" diameter. Slotted for 2 wires. **W16977—Your Cost Each.....2¢**  
**10 FOR.....16¢**  
**100 FOR.....\$1.50**



### Indoor Antenna Wire

Consists of 20 strands of flexible copper wire covered by a mercerized cotton braid. For indoor or a.e.-d.c. antenna use. May be strung around moldings, borders, etc., and is easily concealed. Good quality. **W16155—25-ft. hank Your Cost.....15¢**



## Accessories

### Aerial Lead-In Strips

Copper core with water-proof lacquer webbing. 12" long. Has new screw terminals which permit tighter connections. **W17100—100 FOR \$4.50 Your Cost Each.....5¢**

### With Fahnestock Terminals

**W17101—100 FOR \$2.80 Your Cost Each.....4¢**



### PIPE STRIPS

Broad copper clamp adjustable to fit any size pipe up to 2" in diameter. Has clip for attaching ground lead. **W17102—Your Cost Each.....3¢**  
**10 FOR.....25¢ 100 FOR.....\$2.25**



### Special Ground Clamp

Makes a vise-like grip on pipe. Sharp-pointed screw penetrates paint and rust and makes perfect contact with clean metal. Has nut on screw for ground wire. **W17105—Your Cost Each.....3¢**  
**10 FOR.....25¢**  
**100 FOR.....\$2.20**



### Plated Ground Rods

Used wherever a pipe ground is not available. Heavy steel yoke for driving head, 3/4" drawn steel, plated. Shpg. wt. 4 lbs. **Stock Length Your Cost No. Feet Each Per 10**  
**W17187 4 27¢ \$2.60**  
**W17188 6 38¢ 3.70**



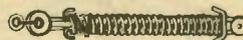
### Antenna Lead-In Clip

Heavy bronze with brass nut and screw. Solderless fastener for lead-in and aerial. **W16058—Your Cost Each.....5¢**



### Aerial Tension Spring

Automatically keeps proper tension in aerial and prevents sag. Consists of 2 hooks with porcelain rings interconnected with a powerful spring. Shpg. wt. 1 lb. **W16487—Your Cost Each.....29¢**



### Galvanized Guy Wire

Special grade of tough, annealed galvanized wire. Excellent for guying antenna masts. Will resist rust. **W16156—50-ft. roll Your Cost.....15¢**



### Screw-in-Knobs

For attaching lead-in or ground wires to posts or buildings. Wire passes through center of porcelain. With screw 3" long. **W16972—Net Each.....2 1/2¢**  
**12 for 27¢ 100 for \$1.90**  
**W16986—7" long. Net Each.....4¢**  
**12 for 42¢ 100 for \$2.75**



## Antenna Wire



Made of the finest copper obtainable. All rolls are guaranteed to be full length and standard gauge as specified. For any type aerial.

### Bare Stranded—75-Ft. Coils

Stock No.	Size	Per Coil	10 Coils	25 Coils
W16041	7/26	13c	\$1.20	\$2.75
W16042	7/24	17c	1.60	3.75
W16043	7/22	22c	2.09	5.00

### Bare Stranded—100-Ft. Coils

Stock No.	Size	Per Coil	10 Coils	25 Coils
W16113	7/26	17c	\$1.60	\$3.75
W16114	7/24	21c	2.00	4.75
W16115	7/22	29c	2.75	6.50

### Enameled Stranded—75-Ft. Coils

Stock No.	Size	Per Coil	10 Coils	25 Coils
W16044	7/24	24c	\$2.30	\$5.50
W16045	7/22	31c	2.90	7.00

### Enameled Stranded—100-Ft. Coils

Stock No.	Size	Per Coil	10 Coils	25 Coils
W16116	7/24	32c	\$3.10	\$7.25
W16117	7/22	39c	3.70	9.00

### Solid Enameled—100 Ft. Coils

Stock No.	Size	Per Coil	10 Coils	25 Coils
W16118	No. 14	31c	\$2.95	\$7.25
W16119	No. 12	45c	4.45	10.75
W16129	No. 10	75¢	Per Foot 1c	

### 1000-FOOT SPOOLS

Stock No.	Your Cost	Size	Stock No.	Your Cost
W16104	\$3.75	7/22	W16106	\$2.75
W16105	3.15	7/24	W16107	2.05

### Enameled Copper Weld Solid Antenna Wire

Tough steel core completely covered with high conductivity copper. Has tough enamel coating. Has much greater tensile strength. **W20885—No. 12 Gauge Your Cost, per 100 Feet.....88¢**  
**W20886—No. 14 Gauge Your Cost, per 100 Feet.....59¢**

### Lead-in Wire

**NO. 18 LEAD-IN, RUBBER-COVERED**  
 Solid tinned copper. 3/4" rubber easy-strip insulation. For lead-ins, ground leads or aeriels. Shpg. Wt. 2 Lbs. per 100 Ft. Specify length when ordering. **W16200—25 Ft. 50 Ft. 100 Ft. Single Coil 10c 18c 33c**  
**Lots of 10 90c \$1.70 \$3.10**



**W16217—1000-ft. coil. \$3.05 Your Cost.....**

### Best Grade No. 14 Lead-In Wire

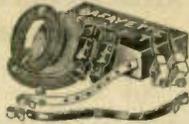
Solid tinned copper core. Heavy (3/4") rubber insulation with weatherproof outer braid. **A Code wire**  
**W16203—25 Ft. 50 Ft. 100 Ft. Single Coil.....23c 42c 80c**  
**Lot of 10, Ea. 21c 40c 75c**  
**Lot of 25, Ea. 19c 36c 70c**  
**Shpg. wt. lbs. 1 1/2**



# ALL-WAVE Antenna Accessories

## Lafayette Low Cost Aerial Kits

Contains 100 ft. 7-24 copper wire, 50 ft. No. 18 rubber-covered lead-in wire, 25 ft. ground wire, approved arrester, copper ground clamp, lead-in strip, two porcelain insulators and two nail-it knobs. Everything necessary for an efficient aerial. Shpg. wt. 6 lbs.  
**W16476—Your Cost..... 73¢**



**Standard Aerial Kit**  
 Contains 90 ft. 7/25 copper wire, 25 ft. lead-in, 25 ft. ground wire, two porcelain insulators, copper ground clamp, lead-in strip, two nail knobs. All the essentials for a dependable aerial system at an unusually low price. Shpg. wt. 2 lbs.  
**W16477—Your Cost..... 49¢**

**Economy Aerial Kit**  
 Contains 90 ft. 7/27 copper wire, 25 ft. rubber-covered lead-in, lead-in strip, ground clamp, two nail knobs and two porcelain insulators. The lowest price kit on the market made up of first quality materials.  
**W16478—Your Cost..... 37¢**

## TRANSMISSION CABLE



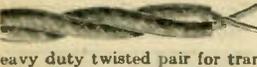
Highly efficient for noise reducing antennas of any type requiring this type of lead-in. Consists of twisted rubber-covered conductors covered by a weather-proof cotton outer braid. Shpg. wt. (100 ft.), 4 lbs.  
**W17152—100 ft. coil..... 80¢**  
**Your Cost..... \$3.45**  
**W17184—500 ft. coil..... \$3.45**  
**Your Cost..... \$3.45**

## "EO-1" TWISTED PAIR TRANSMISSION LINE



Consists of two No. 12 conductors covered by a fabric warp. Warp is covered by special rubber insulation then impregnated cotton braid. Shpg. wt. 2 lbs. per 25 ft.  
**W20887—1 to 50 ft..... 7¢**  
**Your Cost per Foot..... 6¢**  
**50 to 100 ft. Per Foot..... 6¢**  
**100 to 500 ft. Per Foot..... 6¢**

## R-C Transmission Cable



Heavy duty twisted pair for transmission line use. Each conductor is tinned No. 18 copper, stranded flexible wire with live 1/2" rubber insulation.  
**W20888—50-ft. coil..... 45¢**  
**Your Cost..... 88¢**  
**W20889—100-ft. coil..... 88¢**  
**Your Cost..... 88¢**

## SHIELDED TRANSMISSION LINE



A 10-strand wire covered with live rubber, a lacquered cotton braid and a woven, tinned shield. Used in Tobe, Lynch, etc., systems.  
**W16240—50 Ft. 100 Ft. 500 Ft.**  
**Your Cost 55c \$1.05 \$4.95**

## Truest Low Ohm H. F. WIRE FOR AERIALS AND TRANSDUCED LEADS



Designed to have low resistance at high frequencies. For aerial proper and transmission lines. Easily worked. Shpg. wt. per coil, 3 lbs.  
**W16264—Heavy bare, No. 7/20. Your Cost..... 69¢**  
**Per 100-Foot Coil..... 69¢**  
**W16265—Heavy enameled, No. 7/20. Your Cost..... 82¢**  
**Per 100-Foot Coil..... 82¢**  
**W16266—Light enameled, No. 7/25. Your Cost..... 28¢**  
**Per 100-Foot Coil..... 28¢**

## Airplane Insulator

A 1 1/2" strain insulator loaded in compression for greater tensile strength.  
**W17175—Your Cost Each..... 2¢**  
**Per Dozen..... 22¢**

## Transposition Blocks

Of ceramic, 2 1/4 x 2 1/4". Priced remarkably low. Shpg. wt. of 10, 1 lb.  
**W17089—10 for 35c Your Cost Each..... 4¢**

## Glazed Type Cross-Over Insulator

For use with doublet aerials. Glazed white porcelain, 3" long, 2 1/2" wide, 3/8" thick.  
**W17171—10 for 44c. Your Cost Each..... 5¢**

## 3-HOLE INSULATOR

Designed to U.S. Navy standards. Ceramic, 3" (long) x 1 1/2 x 1 1/2", glazed. All holes 1" apart.  
**W17011—Your Cost Each..... 6¢**

## CONICAL LEAD-IN

Two Vitrolex conical insulators, each 1" high. With threaded stud 3 1/2" long, and all nuts and washers; nicked hardware. Requires 3/4" hole for mounting. A shoulder, 1/2" high at the base of the insulators, makes them self-centering over the mounting hole.  
**W16797—Your Cost Each..... 35¢**

## FEEDER SPREADERS

White glazed overall; cross-section of all sizes is 3/4 x 1/4". With end grooves for line conductors and holes for tie-wires. Molded from high-quality porcelain. A popular antenna accessory among transmitting hams.  
**W17027—2" long..... 7¢**  
**Your Cost..... 7¢**  
**W17028—4" long..... 9¢**  
**Your Cost..... 9¢**  
**W17029—6" long..... 12¢**  
**Your Cost..... 12¢**

## ALL-WAVE ANTENNA COUPLERS

### ALL-WAVE COUPLER

Provides correct match for all bands. Used with doublet antenna and transmission line. With full instructions.  
**W17172—Your Cost..... 59¢**

### Universal Set Coupler

Permits use of ungrounded transmission line with any receiver on all bands. Easy to attach and mounts near set. Necessary if full efficiency is desired on all waves. With full instructions.  
**W17082—Your Cost Each..... 29¢**

### UNIVERSAL COUPLER

With B.C.-S.W. Change-Over Switch  
**FOR ALL BANDS**  
 A new and efficient universal set coupler correctly matches the impedance of the antenna to the input impedance of the receiver. Housed in an aluminum can, finished in red crackle. Shpg. wt. 1 lb.  
**W17073—Your Cost Each..... 44¢**

### Doublet Lead-In Strip

Consists of two strips covered by heavy cotton weather-proof braid. Bakelite strip riveted in place holds strips parallel. Fahnestock clips.  
**W16952—Your Cost Each..... 9¢**

### ANTENNA SPRING

Takes up slack in aerial. No-rust. Long lasting. Spring only.  
**W16980—Your Cost Each..... 6¢**

### Button Type Lead-in's

Have a thousand uses. Have a flash-over of 5,800 volts at 60 cycles. Ceramic, 5/8" diameter, 1 1/2" high, fits 3/8" hole and passes 6-32 screw. For 1/2", or heavier, panels. Used for lead-in or feed-through. Insure precision job. These are the famous "Butt-Ins".  
**W16798—Your Cost per Dozen..... 20¢**

### All-Direction Aerial

Scientifically designed to get more distance with greater volume. Installed in a few minutes—no poles to erect. Battery of heavy 9" wires flared out to point in all directions. More stations on short waves and standard broadcasts. With mounting hardware and 50 ft. of stranded lead-in. Two units make up a doublet.  
**W16475—Wt. 4 lbs. Your Cost Each..... \$1.62**

### PHILMORE AERIAL ELIMINATOR

Does away with need for an aerial. Easy to install; just plug into power receptacle and connect aerial and ground wires to marked posts.  
**W17084—Your Cost Each..... 33¢**

### NO-TENNA

Does away with an outdoor antenna. Reduces static; eliminates fire and lightning hazards. Easily installed.  
**W12696—Your Cost 59¢**  
**10 For \$5.50**

### AERIAL ELIMINATOR

Connects to any type of receiver and improves reception. Helps eliminate interfering stations.  
**W12678—Wt. 2 lbs. Your Cost Each..... 59¢**

### LYNCH FILTERADIO

A new line filter for elimination of noise entering through the power line. Used on any receiver for all waves. Maximum voltage, 250; maximum current, 10 amperes. For a.c., d.c., or generator sources. Has line balancer for maximum efficiency. In metal case with cord and plug.  
**W16279—Wt. 4 lbs. \$2.94**  
**Your Cost..... \$2.94**

### LYNCH HI-FI RECEIVER COUPLERS

Improve any noise reducing antenna by using this coupler. By adjusting knob signal may be regulated.  
**W17015—Wt. 2 lbs. Your Cost..... \$1.47**  
**W17016—Antenna coupler to match above vario-coupler. \$2.05**  
**Your Cost..... \$2.05**

### "QUICK-UP" AERIAL

Low resistance wire mounted on adhesive tape. Mounted and concealed anywhere without tacks.  
**W16134—Your Cost..... 35¢**

### Indoor Ribbon Aerial

Gold colored metallic braid woven into a strip of fabric about 3/4" wide. Held in place above molding or baseboard with thumb tacks. 65 feet to roll. Shpg. wt. 8 oz.  
**W16183—Your Cost per Roll..... 29¢**

### Antenna Turnbuckles

For tightening aerial guy wires. Constructed of cast brass; will not rust or corrode. Shpg. wt. 1 lb.

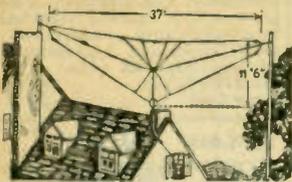
Stock No.	Extended Length	Take Up	Your Cost
W16715	3"	3/4"	15c
W16716	5"	1 1/4"	20c
W16717	6 3/4"	2 1/4"	32c



# ALL WAVE ANTENNA KITS



## "SPIDER WEB" All-Wave Antenna System



A trans-oceanic communications type antenna for the home. Consists of a series of doublet antennas and an improved transmission line to the receiver. Completely factory assembled—all connections made. Requires space only 38 feet across, with 12-foot vertical clearance. Range 140 to 23,000 kc. (13 to 2142 meters). Full instructions furnished with each kit. Shipping weight 7 lbs.

**W17135—RCA No. 9685—All-Wave Antenna System. \$5.37**  
**Your Cost**  
**High Frequency Kit.** Increases range to 70,000 kc. (4 meters). Shipping weight 2 lbs.  
**W17136—Your Cost \$90¢**

## RCA RK-40 "SINGLE DOUBLET" KIT



Designed to meet demands for an easily installed and low-priced all-wave antenna. Has a band coverage of 140 to 18000 kc. (17-2150 meters), and is highly efficient on all bands within this range. The system is factory assembled and soldered; merely tie to convenient supports, and the antenna is up. Consists of a special doublet 19 ft. and 49 ft., junction box, 75 ft. transmission line, entrance tube, receiver coupler and accessories.

With instructions. Shipping weight 4 lbs.  
**W17086—Your Cost \$3.30**  
**RK-40A Kit:** Completely assembled all-wave single doublet kit, identical with the above except that the receiver coupling transformer has been omitted. Shipping weight 3½ lbs.  
**W17088—Your Cost \$2.85**

## Lafayette ALL-WAVE ANTENNA KITS

### "Standard" Kit

Especially designed for all-wave reception. Contains 2-40 ft. rolls heavy enameled wire, 50 ft. transmission line, a receiver matching coupler, aerial spreader, 2 insulators, 6" porcelain screw eye, 2 nail-it-knobs, 2 lead-in strips, ground clamp and instructions. Shpg. wt. 5 lbs.



**W16474—Your Cost Each \$1.49**

### Lafayette De Luxe All-Wave Kit

A modern, efficient all-wave antenna that will improve reception over the entire broadcast and short wave bands. Contains the following equipment: 2—50 foot coils of 7x24 bare copper aerial wire; 1—50 foot coil of special weather-proofed twisted transmission line; 1—antenna crossover junction block; 2—3" glass insulators; 1—"Antennatrol" impedance matching unit; 2—porcelain nail-knobs; 1—porcelain lead-in tube; 1—doublet window lead-in strip (Fahnstock type). The kit is easy to assemble and is

complete in itself—nothing else to buy. Shpg. wt. 5 lbs. **\$2.25**  
**W16479—Your Cost**

### Lafayette "Economy" All-Wave Kit

Completely assembled, all connections made—easy to install. Contains the following: 2—25 foot coils of 7x24 bare copper wire; 1—50 foot coil of weather-proofed transmission line; 3—3" glass insulators; 2—7½" Bakelite screw-eyes; 1—"shur-grip" ground clamp. In attractive box. Shpg. wt. 5 lbs.

**W16480—Your Cost \$97¢**

## TACO No. 200 All-Wave Antenna



A completely assembled all-wave doublet antenna that is noise-free on all useable frequencies. Covers broadcast and short-wave bands. All connections factory made—takes little time to install. Kit includes: 2—30-foot coils of armored tinned antenna wire; 1—75-foot roll of transmission line; 2—crystal glass insulators; 2—stand-off insulators; 1—screw-eye stand-off; 1—antenna transformer with low-loss cross bar; 1—set transformer; complete instructions. Shipping weight 5 lbs.  
**W16468—Your Cost \$3.97**

**No. 500 Kit:** Same as above, but with different, and slightly less efficient antenna and set transformers. Shpg. wt. 4 lbs.  
**W16469—Your Cost \$2.64**



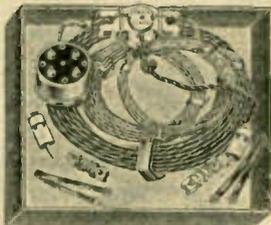
## "NOISE-MASTER" All-Wave Antenna

CORWICO designed, Amy, Aeeves & King licensed. "Man-made" static eliminated on both broadcast and short-wave bands. Peaked at best frequencies. **Factory assembled—easy to install.** Contents: 2—30-foot coils stranded copper antenna wire; 1—antenna transformer with 50 feet of twisted pair transmission line; 2—glass insulators; 3—6" stand-off insulators; 1—dual lead-in strip; 1—set transformer; 1—porcelain lead-in tube; instructions. Shpg. wt. 5 lbs.

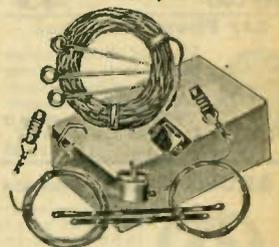
**W16470 List \$6.75 \$3.97**  
**Your Cost**

## BIRNBACH All-Wave "Ready" Aerial Kit

Newly perfected all-wave aerial completely wired and soldered at the factory. Uses new patented antenna transformer built into the ceramic doublet crossover insulator; fool-proof and weather-proof. Kit contains the following equipment: 1—antenna transformer; 1—receiver all-wave coupler; 1—50-foot roll of aerial wire; 1—20-foot roll of aerial wire; 50 feet of transmission line (twisted); all insulators, nail-knobs, lead-in strips, ground clamp, etc. Full instructions included. Shpg. wt. 5 lbs.  
**W16471—Your Cost \$2.49**



## TOBE Model 39 Filterizer Kit, All Wired



Completely assembled all-wave antenna, ready to erect. Comprises doublet antenna with 70-ft. span, terminating insulators, connection shield, 72-foot balanced transmission line, 2 supporting insulators, 6" porcelain entrance tube, ground clamp and receiver coupling unit. Shpg. wt. 5 lbs.  
**W16467—Your Cost \$2.64**

**Model 37 Kit**  
 Contents: 75 feet of aerial wire, antenna transformer, 2 lead-in strips, 72-foot transmission line, receiver transformer, 2 strain insulators, solderless connector and instructions. All-wave type. (Not assembled.) Shpg. wt. 5 lbs.  
**W16466—Your Cost \$3.24**

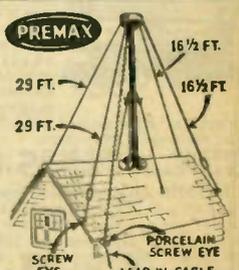


## LYNCH HI-FI All-Wave Antennas

Ready for quick and easy installation. Standard and Junior types. Standard has 50 feet of Giant Killer cable; Junior has 50 feet of high grade twisted pair. Other parts, found in both kits, are: 1—Lynch Hi-Fi Coupling System; 1—41 ft. doublet of 7x22 copper antenna wire; 2—commercial type insulators; 1—3" screw eye; 2—nail-it-knobs; 1—4" porcelain lead-in tube; instructions.  
**W17017—Junior All-Wave Kit. Shpg. wt. 4 lbs. \$3.97**  
**Your Cost**  
**W17018—Standard All Wave Kit. Shpg. wt. 5 lbs. \$5.00**  
**Your Cost**

## PREMAX "Pyramid" Assembled All-Wave Double-Doublet Aerial

Requires less space, takes less time to install and costs less than others of similar quality. No unsightly stretches of wire—only a single steel mast. Excellent noise reduction properties and responds to signals from any direction. Complete kit includes: 1—7-foot two-section adjustable steel mast finished in green enamel; 2—29-ft. and 2—16½-ft. coils of stranded copper antenna wire; 1—50-foot coil of twisted pair transmission line; 1—special porcelain crossover junction box; all necessary insulators, nail-it-knobs, lead-in tube, screw-eyes, etc. All factory assembled. Shipping weight 10 lbs.  
**W22023—Your Cost \$3.50**



Full instructions included. **\$3.50**

Mail Your Orders to NEW YORK, CHICAGO or ATLANTA



### Glass-Enclosed Crystal Detector



Dust-proof. An easily adjusted crystal unit equipped with a super-sensitive mineral and a cats whisker of unique design that will maintain most efficient contact with a sensitive point.  
**W13916—Your Cost . . . . . 22¢**

### Mounted Galena Crystal

Galena (lead sulphide) has been used for years because of its extreme sensitivity. These units have been carefully selected and tested.  
**W13900—Your Cost . . . . . 5¢**



### Super-Sensitive Crystal

Gets more stations and gets them louder. Each crystal is meter-tested after selection on actual reception. Of highest quality galena.  
**W13901—Meter tested. Your Cost . . . . . 12¢**

### Stand With Crystal

Ball and socket swivel arm for contacting any point on crystal. Attractively mounted. Furnished with crystal. Extra-sensitive; tested for sensitivity.  
**W13917—Complete. Your Cost . . . . . 12¢**

### Fixed Crystal Detector

Supersensitive point found by meters and fixed permanently. In Bakelite case with screw connections. Will stand high-voltage.  
**W13913—Meter-tested. Your Cost . . . . . 43¢**

### Ear Phone Cushions

Made of sponge rubber to protect ears from pressure of headphones.  
**W13940—For all fones. Your Cost Per Pair . . . . . 22¢**  
 10 Pairs . . . . . \$1.95

### BRUSH Crystal Phones

A piezo-electric set that meets laboratory requirements. 60-10,000 cycles. Extremely sensitive to the weakest signals. Weight complete with band and cord is only 6 ounces. Has extremely high-impedance.  
**W13926—Type A. Your Cost . . . . . \$5.29**

### TRIMM Featherweight Phones—Wt. Only 4 Oz.

One of the finest sets ever designed. Weight only 4 oz., with band and cord. Bakelite shell and cap, forged cobalt steel magnet, adjustable spring-steel headband, impedance 24,000 ohms.  
**W13919—List \$10.00. Your Cost Per Pair . . . . . \$5.88**

### TRIMM Dependable Headset

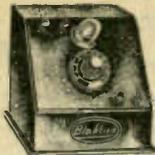
Bakelite shells and caps, chrome steel magnets; ruggedly constructed for amateur and DX fan.  
**W13914—2000-ohm. Your Cost Per Pair . . . . . \$1.77**

### TRIMM Professional Headset

**W13915—4000-ohm. Your Cost Per Pair . . . . . \$2.20**

# RADIO SETS for the beginner

## Philmore Crystal Radio Receivers



### The "Blackbird"—Cabinet Model

Here is a real receiver. Housed in a crystalline finished metal cabinet, it uses a super-sensitive crystal mounted under a dust-proof glass cover. Needs no tubes, batteries or power. Has 4 posts for phones, aerial and ground—connect them up and the stations roll in loud and clear. Complete with crystal. Shpg. wt. 3 lbs.  
**W13887—Your Cost . . . . . \$1.62**

### The "Selective"—Cabinet Model

The circuit of this metal-cabinet-housed crystal receiver incorporates a tapped coil and a variable tuning condenser—a real tuned receiver! Equipped with a super-sensitive glass-covered crystal which brings in many stations with exceptional volume and clarity. Two headsets can be plugged in for two listeners. Shpg. wt. 3 lbs.  
**W13886—Complete with crystal. Your Cost . . . . . \$2.35**

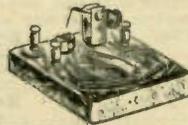


### The "Supertone" With Slide Tuning

The glass-enclosed supersensitive crystal supplied with this receiver will furnish loud, clear signals indefinitely. Single-turn tuning is accomplished with a sliding arm which offers coverage of the broadcast band. Needs only phones and aerial to complete installation. Shipping weight 2 lbs.  
**W13888—List Price \$1.50. Your Cost . . . . . 69¢**

### "Little Wonder" Crystal Set

Uses a supersensitive crystal and tunes over the broadcast band. The lowest priced radio receiver made. Just connect phones and aerial and many stations are heard with good volume. Shpg. wt. 1 lb.  
 List Price \$1.00.  
**W13889—Your Cost . . . . . 52¢**



# HEADPHONES

## "EMPIRE" DX TYPE HEADPHONES

Made especially for DX fans. Have featherweight aluminum shells and a one-piece adjustable headband of spring steel. Each unit has a powerful bi-polar magnet and a BAKE-LITE CAP. Their extra sensitivity reaches out for greater DX. Shpg. wt. per set, 2 lbs.  
**2000-Ohm Headset W13892—Complete. Your Cost . . . . . 97¢**  
**W13893—3000 ohms \$1.25**  
**Your Cost . . . . .**  
**W13894—Cap for above. Each 12¢**  
**W13895—Diaphragm. Each 5¢**



### "EMPIRE" Single-Unit Headsets

Similar to above, but one phone. Clock-steel band permanently attached; with 4 1/2 ft. cord.  
**W13896—1000-ohm single set. 66¢**  
**Your Cost . . . . .**  
**W13897—1500-ohm single set. 79¢**  
**Your Cost . . . . .**

### BRANDES Headphones

The genuine Brandes phones. Polished aluminum shells, Bakelite earcaps. 2000 ohms resistance. Adjustable, web-covered flexible steel headband. Shpg. wt. 2 lbs.  
**W13925—Complete. \$1.59**  
**Your Cost . . . . .**  
**W13936—Bakelite Cap . . . . . 18¢**  
**W13937—Diaphragm . . . . . 5¢**



### FROST DX Specials

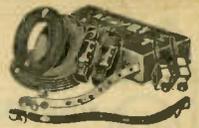
Used by amateurs for years. Extremely sensitive. Polished aluminum shells; Bakelite caps; adjustable webbed band. Impedance 20000 ohms. 5-ft. cord.  
**W13931—Your Cost \$2.50**  
**FROST Standard Headsets**  
**W13932—Per Pair \$1.48**  
**2000-Ohm Set**  
**W13933—Per Pair \$1.65**  
**3000-Ohm Set**  
**W13981—Bakelite Cap . . . . . 18¢**  
**W13982—Diaphragm . . . . . 8¢**

### SPECIAL TWIN CODE SET

Each unit has adjustable key, code buzzer and blinker light. Two units are furnished for 2-way communication. With 50 ft. of wire, full instruction. Less batteries. Shpg. wt. 4 lbs.  
**W14000—Your Cost Per Set . . . . . \$1.91**

### Junior Aerial Kit

Put up especially for crystal receivers, midget sets and small vacuum tube receiver. Just the thing for the beginner and the junior radio experimenter. Contains 90 ft. of copper wire, 25 ft. rubber-covered lead-in, a lead-in strip, ground clamp, 2 nail-it knobs and 2 porcelain insulators. Shpg. wt. 4 lbs.  
**W16478—In box . . . . . 37¢**  
**Your Cost . . . . .**



### Lo-Loss Crystal Receiving Set

Comprises tuning inductor, super-sensitive crystal mounted on ceramic, low-loss base and phone and aerial-ground terminals all mounted on attractive base. Adjustable slider tuning covers broadcast band. No batteries or power. Connect phones and aerial and tune in. Shpt. wt. 1 lb.  
**W12637—Pre-Treated. Your Cost . . . . . 58¢**



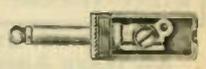
### Cat Whiskers

Finest wire—correct tension—holds that sensitive spot.  
**W13921—Envelope of 3. Your Cost . . . . . 8¢**



### Double Phone Plugs

Will take one or 2 phone or speaker cords or a combination of both. Colored Amerloy cap in red, or black. Metal parts, brass nickel-plated. Has tie loop to prevent cord from being torn from plug by sudden yank on phone or speaker cord.  
**W14974—Black. W14971—Red. Your Cost Each, Either Type . . . . . 19¢**



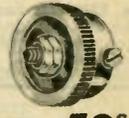
### REAL PHONES—Twin Set

The new 2-way telephones that operate on dry cells. Signal buzzer concealed in base. Set comprises a pair of handsets with cradles and 35 ft. of twisted wire—only batteries to be added. Communicates over 1000 feet. Shpg. wt. 7 lbs.  
**W1373—Your Cost Per Set . . . . . \$4.12**



### SKINDERVIKEN Micro-Phone Button

Measures overall 3/4" diameter and 1/8" thick. Screw terminals—needs no soldering. Carbon granule type.  
**W13485—Your Cost . . . . . 59¢**



### Phone & Speaker Cords Cotton Braid Insulation

Stock No.	Type	Feet	Your Cost
W13955	Double*	5	19¢
W13956	Double†	5	
W13957	Single†	5	

### Extension Cords—Tinsel Center

Stock No.	Feet	Your Cost
W13945†	10	18¢
W13946†	20	21¢
W13947†	30	33¢

\* Spade tips one end; straight tips other. † Pin tips both ends.



# EVEREADY RADIO BATTERIES for Every Purpose

## STANDARD 45 V. "B"



These batteries have combination plug-in and clip terminals for convenient connection to battery receivers and equipment. Type 770 Heavy Duty is  $8\frac{1}{2} \times 7\frac{1}{4}$ " type 772 regular duty is similar to 770, measures  $8\frac{3}{8} \times 7\frac{1}{4}$ ".  
**W20100—Type 772**  
 Ea. 85c **83c**  
 Less 2%  
 Lots of 6. Ea. 77c  
 Less 2% **75c**

## LAYERBILT 45 V. "B"

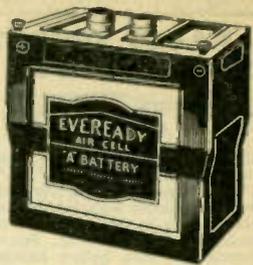
The longest lasting, most-hours-per-dollar "B" battery made. Ideal for all purposes. Equipped with combination plug-in and clip terminals for convenience. Type 486 heavy duty is  $8\frac{1}{2} \times 7\frac{1}{4}$ "; type 485, a medium Layerbilt for lighter duty, is  $8\frac{3}{8} \times 7\frac{1}{4}$ ".  
**W20102—Type 486** **W20103—Type 485**  
 Ea. \$1.73 **Ea. \$1.30**  
 Less **\$1.70** **Less \$1.27**  
 2% **2%**  
 Lots of 6. Ea. \$1.57 **Lots of 6. Ea. \$1.18**  
 Less 2% **Less 2% \$1.16**



## AIR CELL "A's"

### For "Air Cell" Receivers

The only really practical solution of the rural radio problem; ideal for boats and summer places. Now at NEW LOWER PRICES. Air depolarized—constant voltage—no recharging—1000 HOURS OR MORE LIFE. Shipped dry and hermetically sealed; no shelf depreciation—keeps indefinitely with seals unbroken. Maximum permissible current drain, 660 milliamperes, (0.66 ampere). Insulated screw terminals.



**Type A600**—For current drains as specified above. In leak-proof case,  $10\frac{1}{2} \times 6\frac{1}{2}$ ". Shpg. wt. 24 lbs.  
**W20126—Your Cost** \$4.17. **Less 2%**

**\$4.09**

## HEAVY-DUTY "AIR CELL" BATTERY

**Type SA-850** For Air-Cell receivers which consume excessive "A" current (more than 660 milliamperes), use the special Heavy-Drain Air Cell Battery, type SA-850. Good for current drains up to 750 milliamperes, (0.75 amperes). Shpg. wt. 28 lbs.  
**W20127—Your Cost** \$5.25. **Less 2%**

**\$5.14**

## Portable 45-V "B" Battery

For portable equipment where compactness and light weight are important. Insulated terminals prevent short-circuits. Tapped at 22½ volts. Size  $4\frac{1}{2} \times 2\frac{1}{2} \times 6\frac{3}{4}$ ". Shpg. wt. 2 lbs. ea. In durable cases.  
**W20104—Each** \$1.05  
 Less **\$1.03**  
 2%  
 Lots of 5. Each **95c**



Lots of Five. Each, **Less 2% 93c**

## Portable Type 763-22½ Volts

A small size 22½-volt battery for "C" bias circuits and low drain plate requirements. With screw terminals. Fine for portable test equipment.  $3\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{3}{4}$ ". Shpg. wt. 1 lb.  
**W20105—Your Cost** Each 58c  
 Less 2% **57c**  
 Lots of 6. Each **53c**  
 Lots of Five. Each, **Less 2% 52c**

## Standard Size 22½ V. "C" Battery

**Type 758**—Equipped with plug-in and clip terminals. Designed to reduce voltage in step with "B" battery decline. Shpg. wt. 2 lbs.



**W20106—Your Cost** Each 66c  
 Less 2% **65c**  
 Lots of 6. Each **60c**  
 Lots of Five. Each, **Less 2% 59c**

## Portable Size—22½ V. "C"

**Type 778**—Used as "C" or "B" battery. 8 Fahnestock clips.  $4\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{3}{4}$ ". Ideal for portable equipment because of its compactness. Shpg. wt. 2 lbs.  
**W20107—Your Cost** Each 66c  
 Less 2% **65c**  
 Lots of 6. Each **60c**  
 Lots of Five. Each, **Less 2% 59c**

## Type 771 4½ V. "C" Battery

Very useful in ohmmeters as well as for "C" bias supply. Plug-in and clip terminals. Use same size cells as type 768. Size  $4\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{2}$ ". Contains three cells in series. Furnished following potentials: plus, minus 3, minus 4½ volts. Shpg. wt. 1 lb.  
**W20108—Your Cost** Each **23c**  
 In lots of five **Your Cost** Each **21c**

**Type 761T 4½ V. "C" Battery**  
 Similar to above in application, except that four screw terminals are provided. Potentials: minus 1½, minus 3, minus 4½ volts.  
**W20109—Your Cost** Each **23c**  
 In lots of five **Your Cost** Each **21c**



## 4½-V. "C" Battery Screw Terminals



**Type 781**—Measures  $2\frac{1}{2} \times 4\frac{1}{2} \times 2\frac{1}{2}$ ". Finds use in sets as "C" bias, in analyzers, ohmmeters, etc. Shpg. wt. 1 lb.  
**W20110—Each** 31c **30c**  
 Less 2%  
 Lots of 5. Each **28c**  
 Lots of Five, Each, **Less 2% 27c**

## Test Batteries

**Type 703**— $4\frac{1}{2}$  v. Fine for flashlights, test sets, ohmmeters, etc. Contains 3 cells connected in series in a single wrapper. Size  $2\frac{3}{4} \times 2\frac{1}{2} \times 6\frac{3}{4}$ ". Shpg. wt. 1 lb.



**W20111—Your Cost** 20c  
**Type 750** Terminal voltage, 3 volts. Contains two cells in series. Size  $2\frac{3}{4} \times 1\frac{1}{2} \times 6\frac{3}{4}$ ". Shpg. wt. 1 lb.  
**W20112—Your Cost** Each **10c**  
**Type 751**—Furnishes potential of  $4\frac{1}{2}$  volts. Contains three medium size cells connected in series. Size  $2\frac{3}{4} \times 2\frac{1}{2} \times 6\frac{3}{4}$ ". Shpg. wt. 1 lb.  
**W20113—Your Cost** Each **20c**

## Type 773 7½-V. "C" Battery With Screw Terminals

Tapped at 1½, 3, 4½, 6 and 7½ volts. Measures  $2\frac{3}{4} \times 4\frac{1}{2} \times 3\frac{1}{2}$ ". Supplies an unusually flexible source of "C" bias or polarizing potential. Shpg. wt. 2 lbs.  
**W20114—49c**  
 Less 2% **48c**  
 Lots of 5. Each **44c**  
 In Lots of Five, Each, **Less 2% 43c**



## Compact Portable Batteries

A series of extremely small batteries designed especially for lightweight equipment where portability is of prime importance. All are equipped with brass knurled nuts. Sturdily constructed.



**Type X-200**—3-volt "A" battery of high capacity.  $3\frac{1}{2} \times 1\frac{1}{2} \times 5\frac{1}{2}$ ". Shpg. wt. 2 lbs.  
**W20115—Your Cost** Each 57c **56c**  
 Less 2%  
**Type X-201**—15-volt "B" battery; measures  $3\frac{1}{2} \times 2\frac{1}{2} \times 4\frac{1}{2}$ ". Wt. 2 lbs.  
**W20116—Each** \$1.05 **\$1.03**  
 Less 2%  
**Type X-202**—3-volt "A" battery;  $2\frac{3}{4} \times 1\frac{1}{2} \times 2\frac{1}{2}$ ". Shpg. wt. 1 lb.  
**W20117—Your Cost** Each **25c**  
**Type X-203**—45-volt "B" battery; measures  $2\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{3}{4}$ ". Wt. 1 lb.  
**W20118—Each** \$1.60 **\$1.57**  
 Less 2%  
**Type X-204**—7½-volt "C" (tapped at  $4\frac{1}{2}$  v.).  $2\frac{3}{4} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ". Wt. 1 lb.  
**W20119—Each** 44c **43c**  
 Less 2%

## 3-V. Dry "A" Type X-124

A dry "A" pack designed for 2-volt radio receivers. Will supply approximately 400 hours of service when used 3 hours per day on a set drawing ½ ampere. Insulated terminals. Size  $10\frac{1}{2} \times 10\frac{1}{2} \times 6\frac{3}{4}$ ". Ideal for farm, camp, boat, etc. Furnishes enough energy for ample periods. Shpg. wt. 42 lbs.  
**W20120—Your Cost** \$5.25 **\$5.14**  
 Less 2%



## 3-Volt Dry "A" Battery Type X-125

A dry "A" battery similar in construction to the type X-124 described above, but smaller. Has the same characteristic of declining voltage with age as found in other dry batteries, thus necessitating the use of a tapped resistor. Measures  $11\frac{1}{4} \times 4\frac{1}{2} \times 6\frac{1}{4}$ ". Shpg. wt. 16 lbs.  
**W20121—Your Cost** \$2.27 **\$2.22**  
 Less 2%



Lots of 25. Each, **Less 2% 27c**

## 1½-V. Dry "A" Cell Type 711

Equipped with non-breakable metal top—an exclusive Eveready feature. Can be connected in different series—parallel combinations to obtain any desired voltage and current capacity. Different connections are printed on the jackets of Type 711 cells. Exceptionally long life.  $2\frac{3}{4}$ " diameter and 6" high. Shpg. wt. 2 lbs. each.  
**W20122—Each** 31c **30c**  
 Less 2%  
 Lots of 25. Your Cost Each 28c

## No. 6 Columbia "Ignition"

Similar to the Type 711 dry cell described above, but designed to give considerably larger output for short intervals, as needed in interrupted types of service such as ignition, doorbells, alarm systems, etc. Shpg. wt. 2 lbs.  
**W20133—Your Cost** Each **25c** **24c**  
 Less 2%  
 Lots of 25. Your Cost Each 23c **22c**  
 Lots of 25. Each, **Less 2%**

## Flashlight Cells

**Type 950**—May be connected in series parallel for a multitude of uses. Extra long-life cells and have the unique metal-top construction of the Eveready line. Although primarily a flashlight unit, this cell is used for dozens of other purposes; ideal for portable instruments, laboratory, experimental work and electric toys. Size  $1\frac{1}{2}$ " diameter,  $2\frac{3}{8}$ " high. Potential,  $1\frac{1}{2}$  volts.  
**W20124—Your Cost** **6½c**  
**"Baby" Size Flashlight Cells**  
**Type 935**—Baby size dry cells for low current needs. Same quality construction as featured in above units. Measures 1" in diameter,  $1\frac{1}{2}$ " high. Same potential as above cell. Its small size adapts it for innumerable uses.  
**W20125—Your Cost** Each **6½c**



**We Will Not Knowingly Be Undersold**





# TOOLS and HARDWARE for

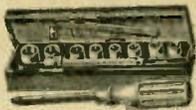
## RADIO SOCKET WRENCH SETS

### Handy All Steel Set



Will stand the hardest usage. Five interchangeable sockets:  $\frac{1}{4}$ ",  $\frac{3}{16}$ ",  $\frac{1}{2}$ ",  $\frac{5}{8}$ " and screw driver bit. Cadmium plated. Knurled handle. Sockets easy to remove, yet will not loosen while working. Spare wrenches fit into hollow handle when not in use. Easy to grip. Shpg. wt. 1 lb.  
**W14749—Your Cost..... 43¢**

### ELEVEN-PIECE KIT

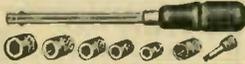


Consists of 11 pieces in green steel box.  $6\frac{1}{2}$ " wood handle, 4" ell,  $3\frac{3}{4}$ " extension adapter,  $\frac{1}{4}$ ",  $\frac{3}{16}$ ",  $\frac{1}{2}$ ",  $\frac{5}{8}$ " hex sockets,  $\frac{3}{8}$ " round knurled socket, and  $\frac{1}{4}$ " and  $\frac{3}{8}$ " square sockets.  
**W15130—Your Cost..... 74¢**

## INDESTRO Sturdy Socket Wrench Set

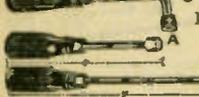
A sturdy wrench set finished in bright cadmium with black wood handle. With  $\frac{1}{4}$ ",  $\frac{3}{16}$ ",  $\frac{1}{2}$ ",  $\frac{5}{8}$ " and hex sockets,

### Easy Grip Wooden Handle Strong Construction



round knurled nut socket, and screw driver socket. Shpg. wt. 1 lb.  
**W15111—Your Cost..... 38¢**

## SPIN TYPE Socket Wrenches—Straight and Handy Offset Types



Firm grip, ribbed wooden handles. Cadmium plated shanks. Have deep holes in ends of shanks that will take long screws up to No. 10. Straight types, 6" and 9" long. Offset type is 6" long. These spin-tites take standard hexagon nuts.

Size	6" Straight	9" Straight	6" Offset
$\frac{1}{4}$ " nuts	W15203	W15209	W15206
$\frac{3}{16}$ " nuts	W15051	W15107	W15207
$\frac{1}{2}$ " nuts	W15052	W15109	W15208
$\frac{5}{8}$ " nuts	W15053	W15108	W15212
$\frac{1}{2}$ " nuts	W15054	W15110	W15213
$\frac{3}{4}$ " nuts	W15204	W15210	W15214

Type	Your Cost
A	12¢
B	12¢
C	12¢

Type	Your Cost
A	52¢
B	62¢
C	62¢

## Socket Wrench Set



Made of cadmium plated steel. Contains one each of the following sockets:  $\frac{1}{4}$ ",  $\frac{3}{16}$ ",  $\frac{1}{2}$ ",  $\frac{5}{8}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{3}{4}$ ".  
**W15189—Your Cost..... 25¢**

## Handy Hole Reamer For Radio Chassis



The handiest tool for reaming holes in radio panels, wood, light metals, etc. Length of blade 4". Will ream holes from  $\frac{1}{8}$ " to  $\frac{3}{8}$ ". Wt. 8 oz.  
**W15065—Your Cost Each..... 17¢**

## STEEL FILE CASE



For shop notes, receipts, bills, private papers, etc. Finger-tip file and security box keeps them safe and handy. Is  $12\frac{1}{2}$ " long,  $5\frac{1}{2}$ " wide,  $10\frac{1}{2}$ " deep. Holds 1000 sheets. With alphabetical index. Finished in black ripple—green inside.  
**W15160—Your Cost..... \$1.39**

## Trutest Wrench Set and Screw Driver



Consists of a screw driver with a 3" straight and a 5" ell shaped extension. A coupling and the following sockets:  $\frac{1}{4}$ ",  $\frac{3}{16}$ ",  $\frac{1}{2}$ ",  $\frac{5}{8}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ " and one internal knurled socket to fit any 12 pt. or round nut— $\frac{3}{4}$ " to  $\frac{1}{2}$ ". Shpg. wt. 4 lbs.  
**W15159—Your Cost..... 85¢**

## Open End Wrench Sets



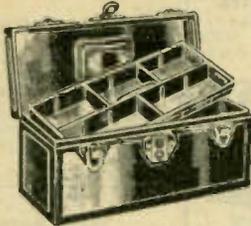
For garage, shop, home and radio service bench. Stay together where they can be found when needed. Six drop forged, open end wrenches:  $\frac{3}{16}$ ",  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{5}{8}$ ". Cadmium plated. Holder with spring catch.  
**W15143—Your Cost..... 69¢**

## CENTER PUNCH



Exceptionally tough, swaged Carbon Steel. Heads and points polished. Knurled grip.  
**W14999—Your Cost Each 10¢**

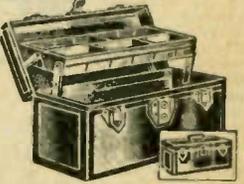
## UTILCO Steel Tool Boxes A Box For Every Use The "Utility"



Ideal for auto mechanics, radioservice-men. Will hold many everyday tools. Loose tray with movable partitions. Heavy steel, beautifully finished. Nickel-plated hardware. Split-proof lock. Size 14x6 $\frac{1}{2}$ x6". Shpg. wt. 6 lbs.  
**W14870—Your Cost..... 76¢**

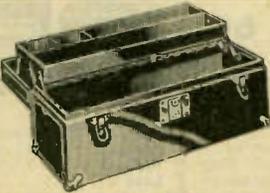
## The "Craftsman"

Cantilever tray pulls into position when box is opened. Contents easily accessible. Made of cold rolled steel with welded flush seams. Finished in hard baked, olive green enamel. Full grip handle. Has embossed rule on cover. Lock and key. Matched hardware. Size 14x6 $\frac{1}{2}$ x6". Shpg. wt. 7 lbs.  
**W14871—Your Cost, Each..... 89¢**



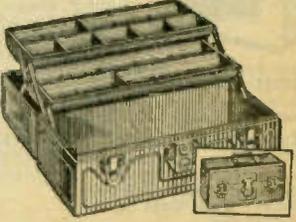
## The "Super Chest"

Designed for rough, hard usage, and heavy tools. Made of 22 gauge cold rolled steel. Olive green color. Two keys to be used in two locks. Handle contains a steel core covered with leather. Corners are re-enforced. Dimensions, 19x7x7". Shpg. wt. 10 lbs.  
**W15152—Your Cost..... \$2.55**



## The "DeLuxe"

TWO DOUBLE trays with cantilever action. Particularly suited for use as a tackle box or any outdoor use. Handy rule on cover. Full grip handle. Removable tray partitions. Carefully waterproofed. Lock and catches very sturdy. Size: 13 $\frac{1}{2}$ x6 $\frac{1}{2}$ x6". Shpg. wt. 4 lbs.  
**W15153—Your Cost..... 98¢**



## 6 Foot Folding Rule

Made of boxwood with yellow finish. Self-locking metal bindings. Subdivided into quarters, eighths and sixteenths. Shpg. wt. 8 oz.  
**W14975—Your Cost Each..... 15¢**

## Angle Wrenches

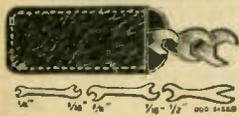
Adjustable angle wrenches of high quality drop-forged steel. Get into tight places. Adjusting screw will not jam. Cadmium plated.  
**W15141—6" size—Your Cost..... 45¢**  
**W15142—8" size—Your Cost..... 54¢**

## Tap and Die Sets



Up to  $\frac{3}{8}$ " Tap  
**W14714—Your Cost..... 19¢**

## Pocket Wrench Set



Handy pocket wrench set comprising three double open-end ones;  $\frac{1}{4}$ ",  $\frac{3}{16}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{5}{8}$ " and one for odd sizes. Made of good grade tool steel. Shipped in a convenient genuine leather case. Shpg. wt. 8 ozs.  
**W15081—Your Cost..... 15¢**

## EXPANSIVE BITS



Made on Clark pattern. Complete with two cutters for drilling various size holes. Weight 1 lb.  
**W15116— $\frac{5}{8}$ " to 1 $\frac{1}{4}$ "—Your Cost..... 95¢**  
**W15117— $\frac{1}{2}$ " to 8"—Your Cost..... \$1.05**

## Tap and Die Sets



Invaluable for home and shop. Has most commonly used sizes for all purposes. In wooden box containing three dies cutting  $\frac{1}{4}$ ",  $\frac{3}{8}$ " and  $\frac{1}{2}$ ", with plug and hand taps to match. Contains tap wrench and die holder. Finely tempered steel; will stand up under severe strain. U.S.S. or S.A.E. thread. Shpg. wt. 3 lbs.  
**W15229—S.A.E. Thread—Your Cost..... 98¢**  
**W15230—U.S.S. Thread—Your Cost, Either Type..... 98¢**

## Wire Stripper

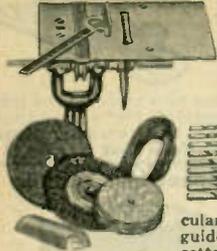


Strips insulation from wire easily and cleanly. Saves time. Cutting edge of tempered steel. Wt. 1 lb.  
**W15044—Your Cost, Each..... 9¢**

# MECHANICS *and* SERVICEMEN



## 17 PIECE POLISHING HEAD OUTFIT



Not a toy!—but a real complete workshop outfit capable of performing good work. Will drill, grind, polish buff wire-scratch, saw and other handy work.  $\frac{1}{8}$  h.p. motor recommended. Comprises  $\frac{1}{4}$ " drill chuck,  $4$ " circular saw, saw table and guide,  $4$ " wire brush,  $3$ " cotton buffer,  $\frac{1}{2} \times 4$ " emery wheel, 9 twist drills  $\frac{1}{16}$ " to  $\frac{3}{16}$ ", belt, pulley. Complete as shown. Shpg. wt. 8 lbs. **W14746—Your Cost \$3.25**

## MOTOR-DRIVEN DRILL PRESS

Here is the ideal, low-priced drill press for the small shop. It is a light-duty, precision-type drill suitable for wet or dry drilling, and is designed as a real power tool capable of performing profitable work! Maximum distance from end of chuck to top of base,  $7\frac{1}{4}$ "; spindle travel,  $14\frac{1}{2}$ ". Equipped with  $\frac{3}{4}$ " drill chuck and  $3\frac{1}{4}$ " adjustable swinging table. Overall height,  $20\frac{1}{2}$ "; width,  $3\frac{1}{2}$ "; depth,  $9\frac{1}{2}$ ". For  $\frac{1}{2}$ " V-belt. Spindle speed depends on motor-speed with 800 r.p.m. recommended for average work. However, the speed at which it is worked may depend upon the user. Shpg. wt. 6 lbs. **W15133—Less bits \$2.25**  
Your Cost



## 5"x18" METAL TURNING LATHE

Single casting 20" bed, overall 25"; 18" between centers, 6" swing. Compound rest; transverse feed  $2\frac{1}{2}$ "; longitudinal feed 2". 4" face plate accurately turned and machined.  $\frac{1}{2}$ " V-type 2-step cone pulley; takes standard A-type  $\frac{1}{2}$ " V belts or  $\frac{3}{4}$ " belt. Oilite bronze bearings; hollow spindle; takes all No. 0 Morse taper accessories; screw-feed tail stock; carefully milled bottom fits ways perfectly. Tool post. No shop should be without this lathe. Shipping weight 20 lbs. **W14740—No. 330 lathe. \$7.35**  
Your Cost



## RCA-VICTOR Cabinet Refinishing Kit



Contains all the necessary equipment for repairing scratched, dented, or otherwise marred furniture. All items packed in a durable leatherette case measuring  $9\frac{1}{2} \times 4\frac{1}{2} \times 2\frac{1}{2}$ ". Contains the following: 1 can Refco Oil for cleaning; 1 can of Valvoline for rubbing; 1 assortment of sandpaper; 1 assortment of stick shellac; 2 packages of Aniline Stain powders; 1 touch-up brush; 1 spatula; 1 rubbing block; 1 instruction sheet. An essential for every serviceman. Shpg. wt. 5 lbs. **W15328—Your Cost \$2.90**



## Handy Scratch Remover

For removing mars and scratches from furniture. Will last indefinitely. In durable container. **W15520—Your Cost Ea. 23c**

## Auger Bits



Made of high quality steel. Cut fast and clean without bindings. Cardboard box. Double cutters, deep spur. Six bits to a set. Drill sizes:  $\frac{1}{8}$ ",  $\frac{1}{4}$ ",  $\frac{3}{8}$ ", and  $\frac{1}{2}$ ". Shpg. wt. 3 lbs. **W14743—Your Cost 98c**

## G. M. Co. Geared Chuck



7 to 1 geared chuck to use drills up to  $\frac{1}{2}$ " in your small electric drill. Gearing increases power. Shpg. wt. 4 lbs. **W14698—\$4.25**  
Your Cost

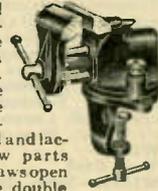
## Motor Chuck-Arbors

Fit shaft of any small motor in place of pulley. Equipped with flange and locking nut to hold grinding wheels, saws, etc.  $\frac{1}{2}$ " three-jaw chuck. Shpg. wt. 2 lbs.

Stock No.	Unit No.	Motor Shaft	Your Cost
W15095	495	$\frac{1}{8}$ "	52c
W15096	490	$\frac{1}{4}$ "	68c
W15097	490-A	$\frac{3}{8}$ "	89c
W15098	490-B	$\frac{1}{2}$ "	

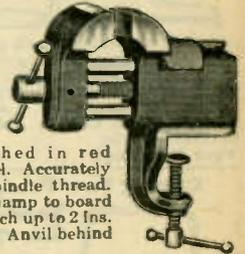
## Handy Swivel Vice

Different swivel positions obtained by the action of a spring plunger. Gray iron, fine grain. Jaws are accurately machined, polished and lacquered. Screw parts nickel-plated. Jaws open  $2\frac{1}{2}$ ", and have double steel guide rods. Fitted with adjustable clamp. Base finished in Black Japan, and body with Baked Enamel. Shpg. wt. 7 lbs. **W15135—Your Cost \$1.25**

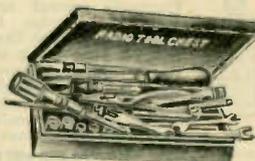


## Sturdy Bench Vice

Finished in red enamel. Accurately cut spindle thread. Will clamp to board or bench up to 2 ins. thick. Anvil behind jaw. **W14727—Jaws, 2 1/2" wide. Shpg. wt. 7 lbs. List \$2.00 Your Cost 92c**



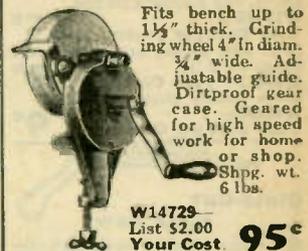
## 14-Piece Radio Tool Set



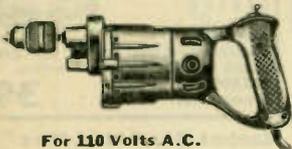
Contains 14 practical tools for radio servicing—3" screwdriver, 6" screwdriver, scriber, reamer countersink, pliers, center-punch, socket wrench set for hex and knurled nuts, and 3 wrenches for hex nuts. Shpg. wt. 2 lbs. **W14908—Your Cost \$2.25**

## Bench Grinder

Fits bench up to  $1\frac{1}{2}$ " thick. Grinding wheel 4" in diam.  $\frac{3}{4}$ " wide. Adjustable guide. Dirtproof gear case. Geared for high speed work for home or shop. Shpg. wt. 6 lbs. **W14729—List \$2.00 Your Cost 95c**



## G. M. Co. Electric Hand Drill



A sturdy  $\frac{1}{2}$ -in. hand drill with GENERAL ELECTRIC A.C.-D.C. MOTOR and BALL THRUST BEARING in spindle. Special anti-friction bearing on armature shaft. Genuine Almond 3-jaw geared chuck. Has toggle switch on top of pistol grip, easily operated with thumb. Complete with 9 feet of heavy rubber-covered cable and plug. Shpg. wt. 10 lbs. **W14726—List \$25.00. Your Cost, Each \$14.85**

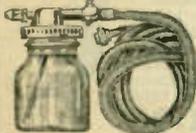
## Power Sprayer

Operates from the spark plug of any automobile. Will spray lacquer, paint, varnish, shellac, insecticide, in fact any other finely mixed freely flowing fluid. Complete with sprayer, pint jar container, spark plug air check valve, compression tank, a set of adapters for all sizes of spark plugs, and 12 ft. air hose. Shpg. wt. 11 lbs. **W14704—List \$7.50 Your Cost Complete \$2.95**



## Handy Sprayer

Air pressure supplied by any automobile tube. Complete with glass jar, 6 ft. of hose, and adjustable spray tip. Will spray approximately four jars from one tire tube containing 35 lbs. pressure. Shpg. wt. 6 lbs. **W14705—Your Cost 69c**



## NEW! SELF-POWERED Syncro Jig Saw

New principle in jig saws. Contains its own power unit. Cuts wood, Bakelite, etc., up to 1" thick. Ideal for fret work, marquetry, model making, etc. Will work thin metals. No rotating parts—never needs oiling. Speed, 7200 strokes per minute; saws clean, smooth edges no sanding necessary. Perfectly safe. Ample turning space—saw blade to rear arm is  $13\frac{1}{2}$ ". Has 10" square iron table plate, with integral cast legs which are heavy rubber tipped. Operates on 110 volts, 60 cycles a.c. With 8-ft. approved rubber-covered cable and plug. Overall height,  $9\frac{1}{2}$ ", length  $19\frac{1}{2}$ ". Furnished with 6 saw blades. Shpg. wt. 21 lbs. **W15194—Complete with instructions. \$8.95**  
Your Cost  
SYNCRIO JUNIOR, as above but with 6" table, 8" throat. For lighter work. Shpg. wt. 14 lbs. **W15195—Your Cost \$3.95**



## 10-Inch Motor-Driven Jig Saw

Sturdily constructed cast iron frame eliminates all vibration. Grooved table 8" diam. Jig saw has a 10" throat. Takes a 5" plain-end saw blade. Saw guide is adjustable. Enclosed top spring. Two-speed V-pulley for  $\frac{3}{8}$ " belt. Recommended speed, 700 r.p.m. for average work. Will cut stock up to  $1\frac{1}{2}$ " thick. Shpg. wt. 6 lbs. Motor and blades not supplied. **W14979—Your Cost \$1.39**  
**W14980—Six 5" blades Your Cost, per set 18c**

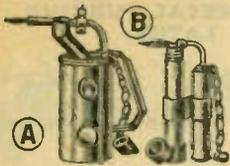


To Speed Handling of YOUR Order -- Use Our Order Blank





# QUALITY TOOLS and



## LENK Automatic Alcohol Blowtorches

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 1/4 x3". Shpg. wt. 4 lbs.  
**W14866**—List \$5.00  
**Your Cost**..... **\$2.94**

**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 x2 3/8 x1 1/4". Shpg. wt. 2 lbs.  
**W14866**—List \$1.50  
**Your Cost**..... **90**

## UNIVERSAL Hack Saw



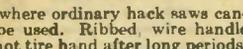
Although adaptable for all general purposes—is especially good for work in tight places. Thin quick cutting blade and tension adjusting handle. Shpg. wt. 3 lbs.  
**W15186**—Your Cost..... **25c**  
**W15187**—Blades  
**Your Cost Each**..... **5c**

## Coping Saw Frame



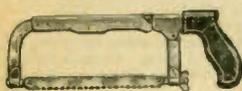
Easily adjusted to face blade any desired direction. Has easy-grip, polished wood handle. With one blade. Shpg. wt. 3 lbs.  
**W15091**—Your Cost..... **29c**  
**Steel Coping Saw Blades** for above, and standard frames.  
**W15092**  
**Your Cost per Dozen**..... **15c**  
Steel wire coping saw with blade. Shpg. wt. 2 lbs.  
**W15113**—Your Cost..... **9c**  
Extra blades. Shpg. wt. 2 lbs.  
**W15139**  
**Your Cost per Dozen**..... **9c**

## Close-Cut Hack Saw



Fits where ordinary hack saws cannot be used. Ribbed, wire handle will not tire hand after long periods. Frame contains a special design wave set, 10" blade. Shpg. wt. 2 lbs.  
**W15093**—Complete  
**Your Cost**..... **55c**  
Extra Blades for above.  
**W15094**  
**Your Cost for Three**..... **30c**

## Rubber Pistol Grip Hack Saw Frame



Pistol grip handle made of moulded rubber. Frame adjustable to various size blades and of very heavy construction. Complete with 8" blade. Shpg. wt. 2 3/4 lbs.  
**W15137**  
**Your Cost**..... **44c**

## Hack Saw Blades

High grade steel. Strictly first quality. Very flexible. Fast cutting and long lived. Fully guaranteed. Will fit above and standard tools.

Stock	Size	Per Doz.	Your Cost
W14965	8"		39c
W14966	10"		45c
W14967	12"		54c

## Steel Letter and Figure Die Set



Complete alphabet of steel punches with which steel tools and any other softer materials may be permanently marked for identification. Also contains a complete set of numerals. Radio servicemen can use it for stamping serial numbers on repair jobs or on custom-built sets. Shpg. wt. 9 lbs.  
**W14977**—Complete set with holder  
**Your Cost**..... **\$1.49**

## Handy Steel Calipers



Opens To 3"  
Measures inside and outside diameters up to 3 inches, calibrated in 1/8 and 1/2 part of an inch. Has knurled locknut. Indispensable to the careful constructor.  
**W14891**  
**Your Cost**..... **10c**

## Block Plane

Low Cost



A 7" plane with hardened and tempered steel blade 1 3/8" wide. Adjustable cutter. Shpg. wt. 3 lbs.  
**W14730**—Your Cost..... **49c**

## Compact Level Guide



Guaranteed accurate. Non-freezing liquid. Nickel plated. Length 2 3/8". Shpg. wt. 8 oz.  
**W14981**—Your Cost..... **10c**

## GOODELL PRATT Automatic Drill



Drills are contained within cap of tool. Special cap lock ejects size drill desired. Four jawed chuck security grips drill. Rotary motion is imparted to drill Bakelite handle. With 8 drills 1/4", 3/8", 1/2", 5/8", 3/4", 1" dia.  
**W15283**—Wt. 2 lbs.  
**Your Cost**..... **\$1.25**

## LENK Torch Gasoline Type



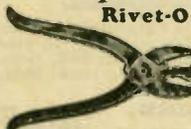
For service men and mechanics. Has flame control, shut-off valve, and many other features. Height 7 1/2", base dia. 3". Polished brass finish. Capacity 3/4 pint. Shpg. wt. 4 lbs.  
**W14885**  
**Your Cost**..... **\$1.03**  
**W14886**—Same, but for alcohol.  
**Your Cost**..... **\$1.18**

## Special Carbon Twist Drills



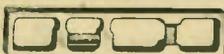
Assortment of nine drills: sizes 1/8" to 3/8". Good steel; fast cutting. Correctly ground and will hold their edge. In wood box so that they can be kept track of, rather than be scattered over the work bench. Contains those popular sizes necessary for radio work. Handy for the serviceman's tool kit. Shpg. wt. 2 lbs.  
**W14709**  
**Your Cost**..... **25c**

## Special Rivet-O-Punch Tool



Makes Solderless Lugs, Etc.  
Punches holes—fastens rivets, in leather, fibre, paper or canvas. Can be used to make solderless lugs, etc. Complete with box of brass eyelets. Shipping Weight 1 lb.  
**W15046**—List \$2.00  
**Your Cost**..... **59c**

## Aluminum Pocket Level



Small and lightweight. Very handy for serviceman and mechanic. Has two indicators, for vertical and horizontal adjustments. Measures only 5 3/4" long and 1 1/4" high. Attractive and accurate.  
**W15285**—Your Cost..... **30c**

## Volume Control Wrench



One of the handiest tools ever devised for the radio serviceman. Used to tighten or loosen the shank nut on all standard volume controls. Will get under many knobs without removing them. Shpg. wt. 1 lb.  
**W6387**—Yaxley No. 178.  
**Your Cost**..... **10c**

## Tinner's Snips



Finest grade drop-forged shears. 10" long with polished blades and red enameled handles. Shpg. wt. 2 lbs.  
**W15118**  
**Your Cost**..... **45c**

## Sturdy Hand Drill

A quality tool that every serviceman or mechanic needs. Constructed of high grade materials that insure long, unflinching service. Geared high to drill quickly. Drill chuck takes drills from 1/8" to 1 1/2". Made of hard steel and with perfect meshing gears. Easy grip handle. An excellent value. Shpg. wt. 2 lbs.  
**W14747**  
**Your Cost**..... **35c**



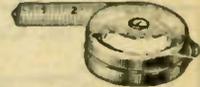
## G. M. Co. Hand Drills

Finely machined hand drills with 1/8" hardened chock jaws. Accurately meshed gears. Polished hollow handle for storing drills. A much needed tool on the radio work bench. Easy-grip handle-top threads on to body. No lost rills with this tool! High speed gears. Shipping weight 2 lbs.  
**W14723**—With side knob—List \$2.00  
**Your Cost**..... **79c**  
**W14724**—Without side knob—List \$1.50  
**Your Cost**..... **69c**



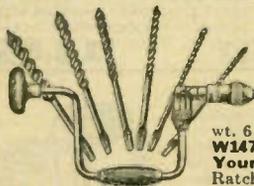
## 6-Ft. Steel Tape Rule

Polished nickel plated case, 2" diameter. Flexible steel concave 3/4" tape graduated in 1/16", 1/8", 1/4" and inches.  
**W14968**  
**Your Cost**..... **39c**



## Ratchet Brace and Bits

Steel brace has 10" sweep. Round knurled alligator jaw chuck with spring. Ring ratchet adjustment. Set of 6 Irwin auger bits, sizes: 1/8", 3/16", 1/4", 5/16", 3/8", and 1/2". Ratchet brace with set of bits. Shpg. wt. 6 lbs.  
**W14735**  
**Your Cost**..... **\$1.98**  
Ratchet brace only. Shpg. wt 4 lbs.  
**W14736**—Your Cost..... **\$1.10**



## High Speed Breast Drill

Excellent for radio service man, constructor or for the home workshop. Very sturdily constructed. Chuck holds up to 1/2" drill. Three spring controlled, case-hardened steel jaws within chuck insure against bit slipping. Properly meshed two-speed gears and mahogany handle. Designed for heavy work and to minimize fatigue generally encountered in ordinary type drills. Entire weight of body can be thrown on drill. Entire drill finished in polished nickel and red and black enamel. Shpg. wt. 6 lbs.  
**W14993**—Your Cost..... **\$1.98**



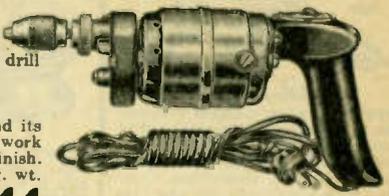
# HARDWARE for Every Purpose



## A NEW ELECTRIC SPEED DRILL \$7.44 OPERATES ON ALTERNATING OR DIRECT CURRENT

Here is the most amazing value in the tool field available today. A real speed electric drill with pistol grip, 110-volt universal motor, long rubber-covered cable and plug and numerous other outstanding features all at a price that you would ordinarily pay for a good hand-drill.

It operates on low wattage making it very economical to use. It has the highest grade mica insulated commutator—insuring long motor life. Ample ventilation permits the motor to run cool—another long-life feature. A knurled collar permits easy removal and insertion of drill bits without fuss or loss of time.

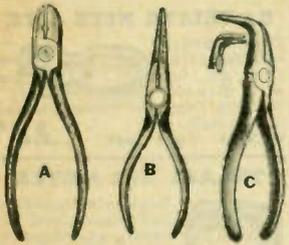


FOR ONLY COMPLETE \$7.44

**Drills Through 1/4" Steel**  
Its outside diameter of only 2 1/4 inches permits drilling 1/4 of an inch from corners. A semi-recessed switch which is mounted in the handle, and recessed brush holders prevent damage to these vulnerable items when laying the drill on the bench. Phosphor-bronze thrust bearings insure long life.

**Takes Up to 1/4" Drills**  
An ample pistol grip is of cast aluminum, and its lightness like the rest of the unit, permits long work with no fatigue. Aluminum and red paint finish. W14731—Speed electric drill, less bits. Shpg. wt. 7 lbs. **Your Cost, Special \$7.44**

### KLEIN'S PLIERS



**A—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. W15223—Your Cost **\$2.30**

**B—Long Nose Side Cutting Plier.** Hardened and tempered to insure positive grip at the tip. Sharp, carefully fitted cutting knives. Shpg. wt. 3 lbs. W15224—Your Cost **\$2.20**

**C—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. W15224—Your Cost **\$2.30**

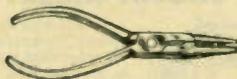
### SPECIAL VALUE TOOLS

#### Diagonal Cutting Pliers



A very popular plier with all servicemen. 5 1/2" long. Shpg. wt. 3 lbs. W15127—Your Cost **32¢** Each

#### Long Nose Pliers



5 1/2" polished forged steel. Side cutting telephone type. Shpg. wt. 3 lbs. W15241—Your Cost **32¢**

### HAMMER-SCREW DRIVERS



One of the handiest tools in any kit. A fine brass handle screw driver inserts in hammer handle. 7 1/4" long. Shpg. wt. 2 lbs. W15163—Your Cost **19¢**



A tiny claw hammer with a steel screwdriver inserted in the shank, forming a handle. Fine for portable tool kits. 4 3/4" long. W15164—Wt. 2 lbs. Your Cost **14¢**

#### 4-in-1 Screw Driver



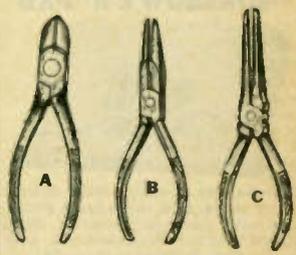
Four sturdy tools of diminishing size for all jobs. Each nests within its larger companion. 6 1/4" long. Shpg. wt. 1 lb. W15162—Your Cost Each **19¢**

#### 3-in-1 Screw Driver



Nesting type. Smallest nests in handle of next larger and the two together in the largest. Steel blades with brass handles. 4 3/4" long. Shpg. wt. 1 lb. W15220—Your Cost Each **10¢**

### 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.

**Diagonal Cutting**  
A—Cutting jaws of this plier come together perfectly. "They cut the insulation as well as the wire." W14944—5 1/2" long. 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. W14945—6" long. Your Cost **95¢**

**Needle Nose Pliers**  
C—Furnished with an extra long finely tempered nose, for reaching into difficult places. Length, 6" W15076—Your Cost **98¢**

### Nickel Radio Pliers



A handy all-around plier, neatly made. Has knurled handles for positive grip and is equipped with long, slotted fulcrum. Shpg. wt. 3 lbs. 6" long. W15132—Your Cost **32¢**

### Nickel Thin Nose Pliers



A special nickel plier with long nose. Fine for getting into tight places. Has toothed pipe jaw and ridged flat jaw. With knurled grips. Sturdy construction. 6 1/2" long. Shpg. wt. 3 lbs. W15129—Your Cost **33¢**

### Lineman's Pliers



A sturdy heavy tool. Sharp cutters with strong handles. 6 1/2" long. Ridged jaws and knurled grips. Shpg. wt. 3 lbs. W15128—Your Cost **37¢**

### GOODELL-PRATT Right Angle Ratchet Screw Driver



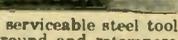
Enclosed ratchet mechanism. Removable bit 1/4" wide, 1/2" long. Tool is 4" long. Simplifies work done in cramped quarters where limitation of space prevents the use of any other type of tool. So constructed that it will operate with 1/2" swing. Will stand up under rough service. Shpg. wt. 1 lb. W15232—Your Cost **49¢**

### Thin Bent Nose Pliers



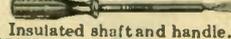
For hard-to-get-at places. Drop forged steel heavily nickel plated. Handle is knurled for steady gripping. Shpg. wt. 3 lbs. W15131—Your Cost **25¢**

### COLD CHISEL



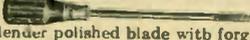
A fine serviceable steel tool. Can be reground and retempered. W15179—1/2" chisel. Shpg. wt. 2 lbs. Each **7¢**

### Insulated Screw Drivers



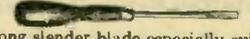
Insulated shaft and handle. W15225—4 1/2". Each **14c**  
W15226—6 1/2". Each **20c**  
W15227—8 1/2". Each **25c**  
W15228—Set of 3. Your Cost **54c**

### ELECTRICIAN'S SCREW DRIVER



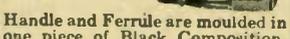
Slender polished blade with forged point. Length of blade 6". Shpg. wt. 1 lb. W15059—Your Cost **10¢** Per Dozen **\$1.00**

### GOODELL-PRATT Radio Screw Driver



Long slender blade especially suitable for radio work. Small end so as to fit set screws in radio knobs. 3" blade. Shpg. wt. 8 ozs. W14948—Your Cost Each **23¢**

### Shockless Screw Driver



Handle and Ferrule are moulded in one piece of Black Composition. 6" long. Shpg. wt. 1 lb. W15060—Your Cost **12¢** Per Dozen **\$1.20**

### GOODELL-PRATT Small Screw Drivers



Two useful small screw drivers. Good for small screws, such as found in radio knobs, etc. One has a 1 1/2" blade, and the other is 2 1/2" long. W15282—Your Cost, **9¢** Per Pair.

### SCREW "GRIP" SCREW DRIVER



Save time and temper with this driver. Gets into tight places holding the screw and releases it after it is driven. Many chassis need this tool for servicing. Has gripper which stays at any point on shank. Tempered tool steel blade. Shpg. wt. 1 lb.

Stock No.	Blade Length	Your Cost
W14721	4x 1/2"	35c
W14722	10x 1/2"	45c

### POCKET RATCHET SCREW DRIVER



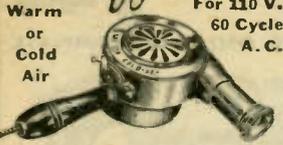
Insulated handle. 6" long. Shpg. wt. 1 lb. W15233—Your Cost **19¢**

**We Will Not Knowingly Be Undersold**



# Modern HOUSEHOLD APPLIANCES

## The Coffurette



For 110 V. 60 Cycle A.C.  
Warm or Cold Air

**HAIR DRYER**  
Dries hair in a few minutes with current of warm or cool air selected by conveniently placed toggle switch. Motor weighs only 30 ounces. Polished aluminum trimmings. Complete with approved cord and plug and "on-off" toggle switch. Shpg. wt. 4 lbs.  
**W18144—Your Cost \$4.25**

### "SUNSHOWER" PAD



Live rubber envelope with downy fabric cover. Has three heats available with thermostat control. Furnished with approved cord, plug and cord switch. Perfectly safe and irreplaceable. Wt. 3 lbs. 110 volts, 60 cycles a.c.  
**W18373—Your Cost \$1.75**

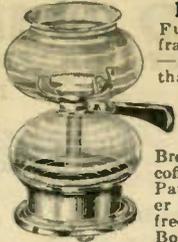
### SINGLE HEAT PAD

A low-priced, high quality one heat pad. With thermostatic control and downy fabric cover. Wt. 2 lbs. 110 volts, 60 cycles a.c.  
**W18389—Your Cost Each 89¢**

### TAYLOR "Humidiguide"

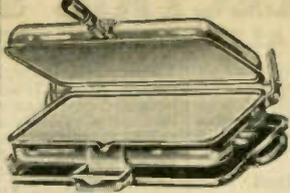
An accurate hygrometer-thermometer that shows at a glance the moisture and the temperature in the room. An invaluable aid to health. In modern satin black case 6x4x1 1/4". Dial is grained aluminum with thermometer to match. Each in attractive box. Shpg. wt. 3 1/2 lbs.  
**W18385—Your Cost Each \$2.63**

### VISI-VAC COFFEE MAKER



Full-flavored fragrant coffee—never less than perfect—assured by using a Visi-Vac coffee maker. Brews 50% more coffee per pound. Patented strainer keeps brew free of grounds. Bowls of heat-proof glass in design. Handsome, insulated black handle. Available in two sizes. Shpg. wt. 7 lbs.  
**W18375—6 cups \$2.49**  
**W18376—8 cups \$2.75**  
Your Cost Each

### NEW GRILLETTE SANDWICH TOASTER



Will toast 2 sandwiches at a time, fry eggs, grill bacon, etc. Grill surface 10x5 1/2". Provided with a grease cup so that no drippings can stain tableware. All nickel-plate finish with black base and "cool-grip" handle. Guaranteed. For 110 volts, a.c., or d.c. Shpg. wt. 5 lbs.  
**W18351—Less cord. 98¢**  
Your Cost Each

### ELECTROMIX SUITABLE FOR ALL DRINKS



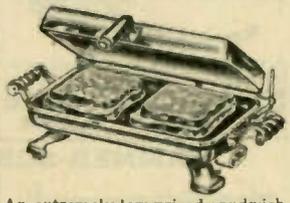
A most inexpensive but exceedingly useful device. Designed as a combination mixer and whipper in one unit. Can be used anywhere because of its portability. Detachable stainless beater cleans instantly and easily. The glass container is of modern design and holds more than one pint. Motor operates on 110 volts, 60 cycles a.c., only. Equipped with an ample-grip handle through which passes the approved cord and plug. Shipping weight 6 lbs.  
**W18124—\$1.10**  
Your Cost

### GILBERT MIXER



A small home size, sturdy, practical machine that mixes malted milk or any other type of drink perfectly. Includes a glass mixing cup, finished in white enamel and handsome lines. Equipped with the famous Gilbert Universal motor. A toggle switch is conveniently located for "on-off" operation on 110 volts, either a.c. or d.c. With approved rubber cord and plug. Shpg. wt. 8 lbs.  
**W18350—\$4.45**  
Your Cost

### GRILLETTE MODEL 6 SANDWICH TOASTER



An extremely low-priced sandwich toaster. Entire assembly is nickel-plated with polished grids. Quick heating elements. Can be used for heating hamburgers, "weenies," etc. Black insulated composition handles. Has prongs for standard female plug. Shpg. wt. 5 lbs.  
**W1737—Grillette No. 6 sandwich toaster, less cord and plug. \$1.19**  
Your Cost Each

### BAKELITE NITE LITE



Plugs into any receptacle, 110 volts, a.c., or d.c. Black Bakelite. Complete with switch and Mazda bulb.  
**W13239—Your Cost 24¢**

### TELAIR AIR METER



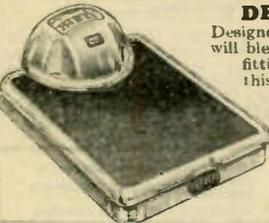
Registers humidity and temperature. Accurate and dependable. In Bakelite case 3 1/2 x 4 1/4 x 2". Wt. 2 lbs.  
**W18032—\$1.32**  
Your Cost

### WINDOW FAN



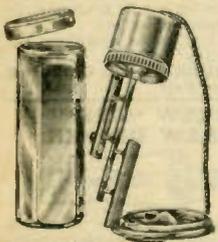
A sturdily constructed 8" electric fan mounted in a handsomely finished metal frame. Two special louvers across opening can be adjusted to prevent entrance of rain. Four airplane blades protected by wire guard. Entire assembly mounts like a screen or can be permanently secured into place. Adjustable from 24 to 32". With 6-ft. cord and plug. For 110 volts, a.c. only. Wt. 10 lbs.  
**W18159—\$2.75**  
Your Cost

### DETECTO "ACE" SCALES



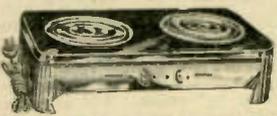
Designed especially for the smart bathroom and will blend pleasantly with any color-scheme or fittings. Created in the modern manner, this scale is almost a necessity in the up-to-date home. Arranged so that the floating rack brings the dial to a quick stop. Registers accurately up to 300 pounds. Ivory enamel finish with washable black mat. Shpg. wt. 10 lbs.  
**W17745—\$2.65**  
Your Cost Complete

### H-B ICELESS FREEZER



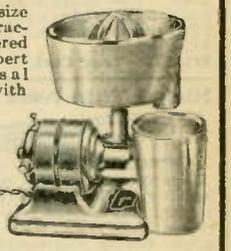
Made by the famous Hamilton-Beach manufacturers of appliances. Makes old fashioned ice-creams, sherbets, frozen-ices, etc., in any mechanical refrigerator. This new motor-driven freezer stirs the mixture as it freezes. Just place it in the ice-cube compartment, plug in and a delicious dessert will result. Coat aluminum, easy to clean; wooden paddles; capacity 1 1/2 quarts. For 110 volts, 50/60 cycle a.c., only.  
**W18372—Shpg. wt. 9 lbs. \$7.50**  
Your Cost Complete

### MARION HOT PLATE Double Hot Plate



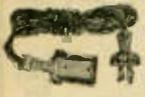
The twin hot plate illustrated above is equipped with two 6-inch electric heater units employing the finest resistance wire, and controlled by two heavy toggle switches. Each switch controls one of the two burners, so that either can be used independently of the other. Ideal for use in the summer bungalow, for heating baby's bottles, etc. The entire unit is constructed of heavy-gauge metal with attractively finished green enameled top and polished black enameled body. With approved cord and plug. Shpg. wt. 9 lbs.  
**W18370—Twin plates \$1.89**  
Your Cost Complete

### Famous SUNKIST Juice Extractor



A family-size juice extractor powered by a Gilbert Universal motor with convenient toggle switch. Operates on 110 volts, a.c., or d.c. Assembly consists of a cast metal base with fork for glass insertion, a serving size orange colored glass with aluminum strainer, deep glass juice extracting bowl and beetwear reaming bulb. It makes serving of the morning orange juice a simple and rapid procedure; easy to keep clean. Finished in ivory and chromium plate to grace the modern kitchen. Size 7x7 1/4". Furnished with approved cord and plug. Shpg. wt. 3 lbs.  
**W18168—Complete \$4.95**  
Your Cost Each

### HEATER CORD SET



Rayon-covered 6-ft. heater cord with Bakelite plug and cap.  
**W13325—Your Cost 15¢**

### Armored Cord Set

Similar to the above, but with armored heater plug.  
**W13326—Your Cost 20¢**  
Armored heater plug only. Use with irons, toasters, etc.  
**W13291—Your Cost 8¢**

### Trio Tap Extension Cord



Approved type extension cord with Bakelite handle plug at one end and three-way tap at the other. Useful in work shop and in the home. Shpg. wt. 10 lbs.  
**W13293—6 feet \$20¢**  
**W13294—15 feet \$32¢**  
Your Cost

### SINGLE HOT PLATE

Similar to the above, but with one heater unit. Shpg. wt. 6 lbs.  
**W18371—\$1.15**  
Your Cost Complete

# Modern HOUSEHOLD APPLIANCES

## G. E. Tidy Cleaner



Model AV-20

An all around servant for the busy housewife. Midget cleaner weighs only 4 1/2 lbs., but does a remarkable number of cleaning jobs. With attachment, reaches from floor to ceiling. Fixed sweep action brush loosens surface filth. With glass deodorizer and insect repeller and 2 cans of dichloride crystals. Sealed-in motor requires no oiling. For 105-125 volts, a.c. or d.c. With 15-ft. cord and plug. Written 1-year guarantee. Complete with accessories and instructions. Shpg. wt. 9 lbs. W17780—Your Cost.....**\$12.95**

## G.E. VACUUM CLEANER Model AV-1

Revolving Brush  
18-Ft. Approved Cord.



G.E.'s latest and finest. It incorporates every feature you have found lacking in other cleaners—and then some. Rubber wheels will not mar your floors. G.E. trouble-free motor is sealed in—needs no oiling and operates on either a.c. or d.c. Just plug it into any 110 volt socket. Has seven bladed fan that creates a powerful suction—gets all the dirt. Tufted horsehair revolving brush. New type dust bag. Bodily motor case and cap of lightweight aluminum. Rubber bumpers on front and sides.

Furnished with 18-foot rubber covered cord and unbreakable plug. Size: 42" high, 14" wide, 12" deep. Guaranteed for 1-year. Finish: polished aluminum with blue dust-bag. Shpg. wt. 20 lbs. W17782—Your Cost.....**\$21.95**

## Toastmaster De Luxe Hospitality Tray

With Four Individual "Lap Trays"



A new deluxe combination that is unequalled for beauty and at the same time is completely practical. Built around the newly designed, fully automatic Toastmaster 2-slice toaster. It pops up finished toast to any desired degree of brownness desired—it needs no watching. Bright chrome plate metal parts with modernistic etched design. Base, handles and other molded parts are dark brown Bakelite. Permanently attached cord and plug. With the toaster there is the large walnut serving tray; four individual "lap trays"; two graceful little appetizer dishes, in the new china vogue. Toastmaster knife and cutting board. Overall dimensions, with toaster: height 7 1/4", width 16", length 26 1/4". Shpg. wt. 17 1/4 lbs.

W18120—DeLuxe Toastmaster Hospitality Tray with toaster, dishes, 4-individual trays and serving tray. Your Cost.....**\$17.60**

### STANDARD HOSPITALITY TRAY

Similar to the above, but with glass relish dishes and without the four individual serving trays. Shpg. wt. 12 lbs.

W18117—Your Cost.....**\$14.75**

Two-Slice Toastmaster Toaster only. Shpg. wt. 7 lbs. W18108—Your Cost.....**\$11.95**

### FOLDING WALNUT SERVING STAND

Fits both standard and deluxe models. Solid walnut, folding type. Simplifies serving. Shpg. wt. 11 lbs.

W18116—Your Cost.....**\$3.75**

### Toastmaster "Junior" Toaster

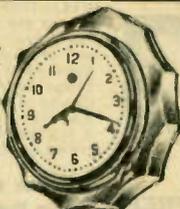
Makes perfect Toastmaster toast, but unlike the fully automatic Toastmaster, it requires watching. Just drop in bread, press down lever, and the current comes on automatically. When toast is done as you like it, a finger touch of the lever will pop it up for inspection or use. If not finished, just lower toast for a few more seconds. Current automatically shut off when toast is popped up. Shpg. wt. 6 lbs. W18107—Your Cost.....**\$5.60**



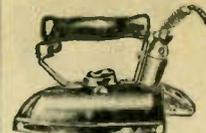
## G.E. "New Hostess Clock"

A new wall-type kitchen clock that fulfills the two major requirements for kitchen duty: accurate time-keeping and beauty of appearance. Has a 7 1/2" dial and is 2" deep. Case is of Beetleware and is available in ivory or green. Nicalral (similar to chrome) trimmings. Full sweep second hand; ivory dial. Sealed-in synchronous motor operates on 110 volts, 60 cycles a.c. only. With approved cord and plug set. Shpg. wt. 3 lbs.

W18080—Green | Your Cost.....**\$3.95**  
W18081—Ivory | Each.....



## G.E. A-C-Matic Iron



Your Cost \$3.90 110-V. A.C. Only

Fully automatic 6 lb. iron, with complete range of ironing heats. Provides even ironing temperature for all types of material. Features: button saving nooks, heel stand, thumb rest and the famous Calrod long life element. Finished in chrome-plate. For 125 volts a.c. only. Consumption, 660 watts.

W18110—Your Cost.....**\$3.90**

## Genuine ROLLS Razor

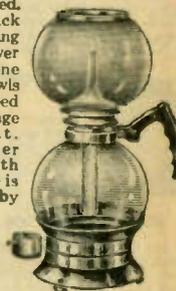


Uses the finest Sheffield tool steel and is hollow ground, just like the barber's straight razor. Self-contained hone and stop; a few strokes on the mechanical stroker, than a stropping and the blade is perfect. Safe in action—lasts a lifetime. Contained in a nickle-plated compact case, ideal for home or travel. Shpg. wt. 2 lbs.

W18150—No. 2 Rolls \$6.65  
Your Cost.....

## G. E. "Mohawk" Electric Coffee Maker

Modernly styled. Has cool black Calmod pouring handle on lower bowl. Genuine Pyrex glass bowls are guaranteed against breakage due to heat. China drainer assembly with lifting handle is held in place by a corrosion proof Monel metal spring—the only metal used. Beetleware coffee measure and extra strainer cloth furnished. Chrome finished metal parts. With 6-foot cord and plug. Shpg. wt. 5 lbs.



W18170—6 cup  
W18171—8 cup  
Your Cost Each.....**\$3.75**

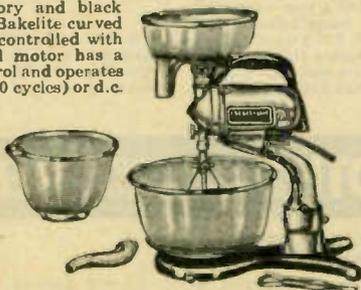
## HAMILTON-BEACH Electric Mixer

Finished in baked-on ivory and black enamel. Equipped with a Bakelite curved handle and can easily be controlled with one hand. The powerful motor has a tapped field for speed control and operates on 110/125 volts a.c. (25-60 cycles) or d.c. All motors include built-in radio interference filter. Speed control is near handle for easy one-hand control. Comes with chromium plated double beater for all mixing; single agitator for drink mixing. Rubber feet. Opaque glass bowls in ivory finish; large bowl holds 3 qts., small bowl holds 1 qt. Bowls revolve automatically on base. Complete with instructions. With approved cord and plug set. Shpg. wt. 12 lbs.

W18275—Your Cost—Less Juice extractor.....**\$14.45**

W18137—Juice extractor only (illustrated above). Each.....\$1.95

Additional accessories are available. Write for free circular.



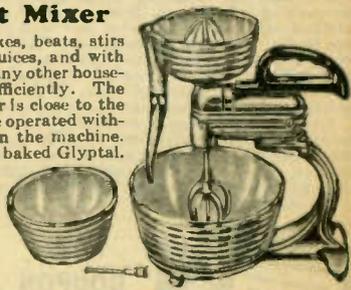
## G. E. Hotpoint Mixer

This new G.E. portable mixer, beats, stirs and whips foods, extracts juices, and with its attachments, performs many other household duties quickly and efficiently. The switch for the 3-speed motor is close to the pistol grip handle and can be operated without removing the hand from the machine. Finished in bright silver and baked Glyptal. Standard equipment consists of mixing unit with base, double beater, two opal white bowls, juice extractor and oil dripper. Operates on 115-125 volts a.c. or d.c. Equipped with approved rubber cord and plug. Shpg. wt. 18 lbs.

W18342—Your Cost.....**\$15.95**

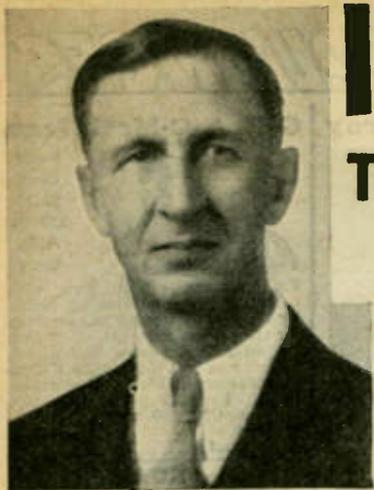
Additional Accessories for the Above.					
No.	Description	Each	No.	Description	Each
W17727	Reduction Unit.	\$3.35	W17731*	Shredder.....	\$2.95
W17728*	Food Chopper.....	1.30	W17732	Drink Mixer.....	1.69
W17729	Knife Sharpener.....	.55	W17718*	Ice Crusher.....	1.49
W17730	Grater.....	.55	W17719	Pea Sheller.....	1.49

\*Means accessory requires the use of speed reduction unit.



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Do you want to make more money? The world-wide use of Radio has made many opportunities for you to have a spare time or full time Radio service business of your own. Three out of every four homes in the United States have Radio sets which regularly require repairs, servicing, new tubes, etc. Many sets are old and will soon be replaced by new models. I will train you at home in your spare time to sell, install, service, all types of Radio sets—to start your own Radio business and build it up on money you make in your spare time while learning. Mail coupon for my 64-page book. It's Free—it shows what I have done for others.

#### Many Make \$5, \$10, \$15 a Week Extra In Spare Time While Learning

Practically every neighborhood needs a good spare time serviceman. The day you enroll I start sending you Extra Money Job Sheets. They show you how to do Radio repair jobs that you can cash in on quickly. Throughout your training I send you plans and ideas that have made good spare time money—from \$200 to \$500 a year—for hundreds of fellows. My Training is famous as "the Course that pays for itself."

#### There's a Real Future in Radio for Well Trained Men

Radio already gives jobs to more than 300,000 people. In 1935 over \$300,000,000 worth of sets, tubes and parts were sold—an increase of 20% over 1934! Over 1,100,000 auto Radios were sold in 1935, 25% more than in 1934! 22,000,000 homes are today equipped with Radios, and every year millions of these sets go out of date and are replaced with newer models. Millions more need servicing, new tubes, repairs, etc. Broadcasting stations pay their employees (exclusive of artists) more than \$23,000,000 a year. And Radio is a new industry, still growing fast! A few hundred \$30, \$50, \$75-a-week jobs have grown to thousands in less than 20 years.

#### Get Ready Now for Your Own Radio Business and for Jobs Like These

Radio broadcasting stations employ engineers, operators, station managers and pay up to \$5,000 a year. Spare time Radio set servicing pays as much as \$200 to \$500 a year—full time jobs with Radio jobbers, manufacturers and dealers, as much as \$30, \$50, \$75 a week. Many Radio Experts own and operate their own full time or part time Radio sales and service businesses. Radio manufacturers and jobbers em-

ploy testers, inspectors, foremen, engineers, servicemen, paying up to \$6,000 a year. Radio operators on ships get good pay and see the world besides. Automobile, police, aviation, commercial Radio, and loud speaker systems are newer fields offering good opportunities now and for the future. Television promises to open many good jobs soon. Men I have trained are holding good jobs in these branches of Radio. Read their statements in my 64-page book. Mail the coupon.

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The average Parcel Post rate on foreign shipments is 14c per pound. Insurance rate averages 1 1/4% 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.

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Cost for 9 oz. to 1 lb.	8c	8c	9c	10c	11c	12c	14c	15c
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When value of parcel is up to	\$5.00	Charge is 5c
When value of parcel is between	5.00 & \$25.00	Charge is 10c
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When value of parcel is between	50.00 & 100.00	Charge is 25c

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When value of parcel is between	25 & 50,	extra charge is 22c
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Send for a FREE copy of our new Public Address Catalog, No. 64W. It contains everything you could possibly need for any type of installation from a kitchen call system to a monster theatre job. Accessories which include everything from a U-tack to a theatre projection lamp, racks and panels, carrying cases, dozens of microphones, speakers and speaker systems, generators for mobile systems, recording systems and many other items too numerous to outline. Furthermore, this catalog is made up to make MORE PROFITS for you—ALL PRICES ARE LIST. A second cover, easily removed, contains YOUR costs. What remains is a handsomely covered catalog which you will be proud to show your customers and which contains everything they may desire to purchase. Clinch every P.A. prospect with this catalog!

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You will want a copy of our new, 1937 Amateur and Short-Wave Equipment Catalog, No. 66W. It is FREE for the asking. Contains EVERY product of ALL nationally known manufacturers of short-wave equipment. It lists transmitters from a breadboard one-tube rig for the young ham to a sky-high 250-watt rig, receivers for every purpose and every pocket, and every accessory which could possibly enter into the construction of a piece of short-wave receiving or transmitting equipment. Whether you are a ham or a short-wave broadcast fan, you need this catalog.

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# Lafayette 9 TUBE AC-DC SUPERHET

## 3 BANDS

Take Your Choice:

**Domestic Model**  
16-51; 50-174 AND  
166-555 METERS

or

**European Model**  
16-51; 166-555 AND  
870-2060 METERS

The large band spread dial, with easily read second hand, makes tuning for domestic and foreign stations, amateurs, airplane, police, etc., simple and enjoyable. The sensitive superheterodyne circuit, using 2-6R7G, 1-6A8G, 2-25A6G, 2-25Z6G, 1-6R7G and improved 6G5 "tuning eye" indicator, provides volume and distance-getting ability far beyond average requirements.

### COLORED DIAL SCALE

A cleverly colored dial scale indicates positively the wave range in use. Two combinations of wave bands are available, as listed above, for domestic or European use.

Other features of importance are: full 8-inch dynamic speaker, automatic volume control, tone control, noise minimizing control, overload-proof diode detector, and r.f. pre-selector on all bands. The "tuning eye" is part of the dial and winks at you as you watch the tuning pointers go round and round. All controls are conveniently located.



MODEL C-48  
\$ **42**<sup>50</sup>

ONE glance at this beautiful "laydown" mantel cabinet, with its novel speaker grille extending around the left side, will convince the most hard-boiled buyer that the Lafayette Model C-48 is indeed a new "high" in radio value. The hand-rubbed walnut cabinet and the multi-colored oval dial present a rich and attractive appearance, and the music that issues from the loud speaker quickly proves that the set is a musical instrument as well as a desirable piece of furniture for the living room, library, den or office. Working equally well on either a.c. or d.c., its owner need never worry about the kind of electricity he finds in a new house or apartment as he moves about town.

**Model C-48**—Domestic model Lafayette 9 tube a.c.-d.c. 3 band superhet, for 110-120 volts, complete with tubes. Dimensions: 20" wide by 9 3/4" deep by 11" high. Shpg. wt. 37 lbs. Code GREBO. List Price \$85.00. Your Cost..... **\$42.50**

**Model C-47**—European model Lafayette 9 tube a.c.-d.c. superhet, same as C-48 except for long-wave band listed **\$42.50** above. Code GELMA. Your Cost.....

Both above for 220 volt operation **\$1.50 additional**

**Model C-46**—European model Lafayette 8 tube superhet, for 115-230 volts, 50-60 cycles A.C. ONLY. Same as Model C-47 except for power supply requirements. Code GOMAT. **\$42.50** Your Cost.....

# Lafayette 7 TUBE AC-DC SUPERHET

## 5 BANDS

Complete Coverage:

13 TO 30 METERS

30 TO 75 METERS

75 TO 200 METERS

200 TO 545 METERS

850 TO 2220 METERS

THE entire world of broadcasting—short-wave, medium wave, long wave—pours from the 8" dynamic speaker of the Lafayette 7 tube ALL-WAVE superheterodyne, which has the complete tuning coverage listed above. Reduction drive dial in new modernistic rectangular frame, all metal tubes, automatic volume control, tone control, three-gang condenser, finely finished cabinet, phonograph jack, superb quality of reproduction, plenty of reserve power—all these features combine to make the Model A-23 an example of outstanding Lafayette quality for 1937.

Operates on alternating current of any frequency and on direct current, 110 to 120 volts, without any adjustments. Just plug it in!

**Model A-23**—Lafayette 7 tube a.c.-d.c. 5 band superheterodyne, for 110-120 volts. In mantel cabinet illustrated, with tubes. Dimensions: 21 1/8" wide by 11-13/16" high by 8 3/4" deep. Shpg. wt. 25 lbs. Code WITMA. List Price \$63.00. Your Cost..... **\$31.50**



MODEL A-23  
\$ **31**<sup>50</sup>

With ALL-METAL TUBES

Tubes used in the Model A-23: 6A8 oscillator-first detector; 2-6R7 i.f. amplifiers; 6Q7 2nd detector; 25A6 power output; 25Z6 rectifier; L42C ballast tube. All are metal tubes of newest, most advanced type.

Pg.152

For 220 or 250-volt operation, add \$1.00  
Be sure to specify voltage when ordering.

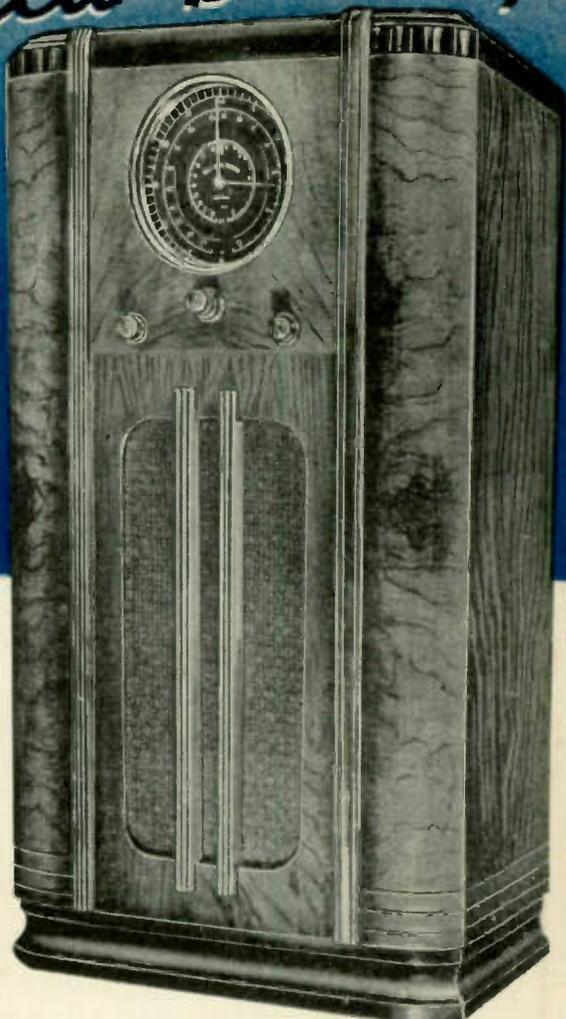
"Blue Ribbon" Products approved by Wholesale Radio Service Co., Inc.

# IMPROVED PERFORMANCE

# New Beauty

# Lafayette

# 10 Tube SUPERHET



An Approved "Blue Ribbon" Product

AT AN UNUSUAL PRICE

\$49<sup>95</sup>

MODEL MB-6

### Note These Features:

- CATHODE RAY TUNING EYE
- 3 SEPARATE TUNING BANDS
- 12" ELECTRO-DYNAMIC SPEAKER
- 10-WATTS POWER OUTPUT
- MICROMETER BAND SPREAD
- "TELL-TIME" TUNING . . .
- and many others!

THE necessity of remembering dial settings in terms of complicated kilocycles, megacycles or meter readings has been eliminated by a novel feature called "Tell-Time" tuning. Now even a child can correctly retune to any station that has been previously logged. Two tuning indicator hands correspond to the hands of a clock, and the clock numbers, from 1 to 12, are etched on the outer rim of the glass dial.

Thus, when a station is brought in, it is only necessary that the setting be noted in terms of time; i.e. "half-past one," "ten to six," etc. When that station is again desired, merely set the tuning hands at the "right time," and the station is heard. It's most simple, accurate, rapid. No technical knowledge required.

### COMPLETE SHORT-WAVE AND BROADCAST COVERAGE

Three separate tuning bands are used to cover the entire s.w. and broadcast range of frequencies. These are: from 171 to 550 meters (540-1750 kc.), bringing in the American broadcast programs, many police and amateur calls; from 50 to 171 meters (1750-6000 kc.), bringing in the popular amateur stations, from 16.7 to 50 meters (6000-18000 kc.), bringing in the European broadcast programs and many amateur stations. Band changing is accomplished by means of a control knob on the front panel of the receiver; knob has color coded band markings.

### LATEST TYPE ALL-METAL TUBES USED IN CIRCUIT

The powerful 10-tube superhet circuit uses

all-metal tubes (except the cathode ray eye) as follows: 1-6K7 r.f. amplifier, 1-6L7 converter, 1-6C5 oscillator, 1-6K7 i.f. amplifier, 1-6Q7 detector and a.v.c., 1-6F6 driver, 2-6F6 p.p. output tubes, 1-5W4 rectifier, 1-6Q5 cathode ray tuning eye.

### BEAUTIFUL CONSOLE CABINET

The modern, attractively styled cabinet is constructed of the finest hardwood veneers and finished in a high polish. All corners are rounded, all trimmings (knobs, escutcheon plate, side pilasters, etc.) blend in the finished design.

**Model MB-6**—Lafayette 10-Tube 3-Band A.C. Superhet in console cabinet and complete with all tubes. Size: 40<sup>1</sup>/<sub>4</sub>" high, 22<sup>3</sup>/<sub>4</sub>" wide, 12" deep. For 110 volts, 50-60 cycles a.c. Shpg. wt. 72 lbs. Code. CERUS. List Price \$99.90

YOUR COST **\$49.95**

**Model MB-5**—Lafayette 10-Tube 3-Band A.C. Superhet chassis only, less cabinet. Complete with all tubes. Size: 16" long, 12" deep and 12" high. Shpg. wt. 37 lbs. Code. COLBO. List Price \$71.90

YOUR COST **\$34.95**

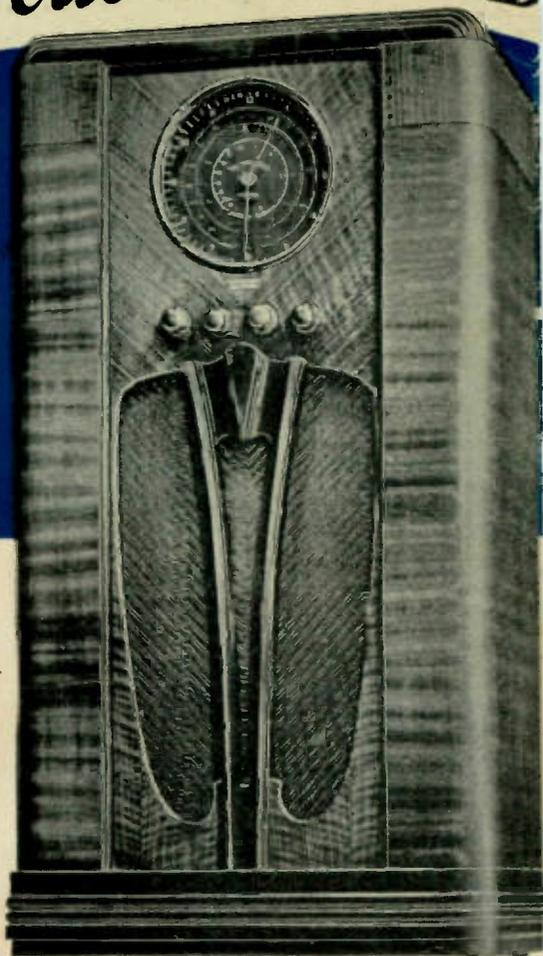
For 220-Volt Operation Add \$3.00

# BUILT TO THE Lafayette STANDARD

## 8 Tube SUPERHET

- "Tell-Time" Tuning
  - Cathode Ray Eye
  - All Metal Tubes
- \$39<sup>95</sup>**

MODEL MB-4



**B**UILT to the Lafayette standard, this receiver incorporates a multitude of ultra modern features: giant 8-inch etched glass dial; micrometer band spread tuning hand; chrome finished chassis; coverage of the entire short-wave and broadcast bands. All this—at a price that demands your attention!

### FULL SHORT-WAVE & BROADCAST COVERAGE

The receiver covers the entire range of short-wave and broadcast frequencies from 16.7 to 550 meters in three bands: from 171 to 550 meters (540-1750 kc.), bringing in the standard American broadcasts and also many police and amateur calls; from 50 to 171 meters (1750-6000 kc.), for amateur stations; from 16.7 to 50 meters (6000 to 18000 kc.), for standard European broadcast stations.

### USES LATEST TYPE ALL-METAL TUBES

With the exception of the 6G5 cathode ray eye tube, all tubes are of the latest all-metal types (not to be confused with the metal-glass tubes). Tube types and uses are: 1-6A8 converter, 1-6K7 i.f. amplifier, 1-6A7 audio and a.v.c., 1-6C5 inverter, 2-6F6's in the p.p. output stage, 1-6G5 cathode ray tuning eye, 1-5W4 rectifier.

### NEW... UNIQUE... "TELL-TIME" TUNING

"Tell-Time" tuning enables even a child to retune correctly to any station that has once been logged. The main tuning indicator and the band spread pointer correspond to the hands of a clock, and the clock numbers from 1 to 12 are etched on the outside edge of the glass dial. Thus, whenever a station is brought in, you note the position of the hands as being at "half past five," or "ten to seven," etc., and when you want that station again you just reset the hands at the original settings.

### CATHODE RAY TUNING EYE MOUNTED IN DIAL

The type 6G5 cathode eye, mounted inside the dial escutcheon, is plainly visible through the glass dial. Hairline tuning is now a certainty—just turn the tuning knob until the shadow on the

"eye" is the narrowest possible and the station is tuned for peak performance.

Other circuit features: three-gang cushion mounted condenser, edge-lighted dial, chromium plated chassis, band-change switch on front panel, full-range tone control, band indicator.

### BEAUTIFUL MODERN STYLE CONSOLE CABINET

The modern console cabinet does justice to the superlative qualities of the receiver it houses. Mahogany veneers are used for the side pilasters, with a new type highlighted finish. Overall size: 38 1/4" high, 21" wide and 12" deep. Model MB-4—Lafayette 8-Tube A.C. 3-Band Superhet complete with all tubes and operating instructions. For use on 110 volts, 50-60 cycles a.c. Shpg. wt. 64 lbs. Code CLEVA. List Price \$79.90.

**YOUR COST** ..... **\$39.95**  
 Model MB-3—Lafayette 8-Tube 3-Band Superhet chassis only, less cabinet. Complete with tubes and 8" speaker, 16" wide, 12" high, 11 1/4" deep. For 110 volts, 50-60 cycles a.c. Shpg. wt. 36 lbs. Code CALTE. **\$27.50**  
 List Price \$55.00. **YOUR COST** .....  
 For 220-Volt Operation Add \$2.00

## WHOLESALE RADIO SERVICE CO. inc.

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