

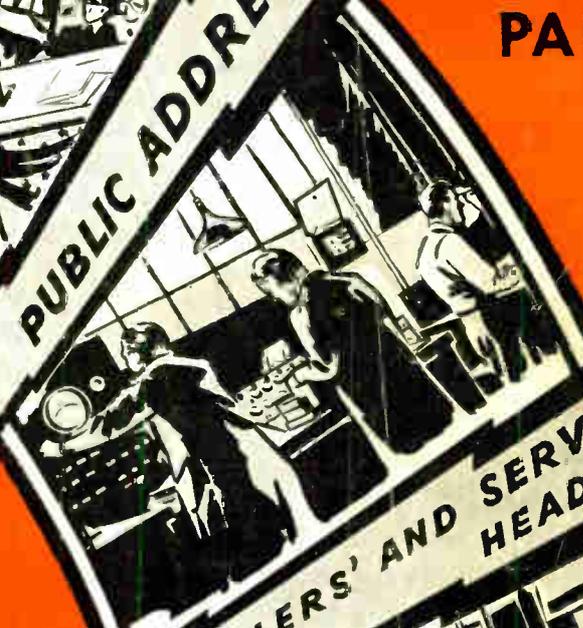
# LAFAYETTE Radio

LATEST DEVELOPMENTS



PUBLIC ADDRESS

REPLACEMENT  
PARTS



DEALERS' AND SERVICE MENS'  
HEADQUARTERS

SPRING  
1933

Catalog  
No. 54



Truest PARTS

The HOME of  
WHOLESALE RADIO  
SERVICE CO. Inc.

# WHOLESALE RADIO SERVICE CO. INC.

CORNER GRAND ST.  
100 SIXTH AVE. ONE BLOCK ABOVE CANAL NEW YORK, N.Y.



# 30 DAYS FREE TRIAL!

## Enjoy a Lafayette in your own home for 30 days... FREE!

Under the remarkable Lafayette 30-Day Free Trial Plan, all hazard is eliminated from radio-set buying. No longer do you have to gamble uncertainly on a receiver from its picture and description in a catalog, or from a demonstration staged under conditions altogether different from those in your own home. Order any Lafayette receiver in this catalog, try it in your own home for thirty days, and then decide for yourself, after long thought, whether it is entirely satisfactory in all respects.

If it is not, return it to us in its original condition and you will receive a full refund (less transportation charges, of course) without arguments or questions of any kind.

Could anything be fairer or more honest?

### WHAT THIS MEANS TO YOU

Think of what this unprecedented offer means to you! You will never regret the purchase of a receiver you pick under these conditions—you will never have to apologize to yourself, to your family or to your friends for a radio set that is unsuited to your own particular location.

You will have plenty of time to test the sensitivity, selectivity, tone quality and volume of the Lafayette you choose. Try it during daylight and during darkness, in good weather and bad weather. Keep a log of the stations you pick up, and watch how astoundingly the set reaches out after the distant ones!

You will rediscover the first thrills of radio as you go touring the air lanes. If you stay up late and keep a sharp ear for station announcements, you will be able, under favorable conditions, to bring in both coasts, Canada and Mexico.

See how strong and well made it is, and how smoothly it operates for every member of your household.

Look inside the cabinet and examine the chassis, for after all the chassis IS the radio set. Notice the sturdy, clean-cut construction, the completeness of the shielding, the accessibility of all parts.

Call in your neighbors and ask them to compare your Lafayette with their own sets. After you have gathered all their reports and compared them with yours, then make a final decision.

### AN EXCLUSIVE LAFAYETTE OFFER

Only Lafayette dares make this offer so openly and fearlessly! It is the fairest offer ever made by a radio set manufacturer, an offer with a foundation in the rigidly maintained quality of Lafayette products.

### GUARANTEE CERTIFICATE

Every purchaser of a Lafayette radio receiver receives a 30-Day Free Trial Certificate, a reproduction of which appears at the left. It is absolutely fair and open, the exact conditions being stated.

### LAFAYETTE INTEGRITY

The Lafayette record of 11 years of steady growth and unblemished reputation is behind this 30-Day Free Trial Offer. We could not make it if it were not for our supreme confidence in our merchandise.

### Guarantee

We guarantee Lafayette to be satisfactory in every detail—that it will give you the service you have a right to expect—that it represents full value for the price you pay.

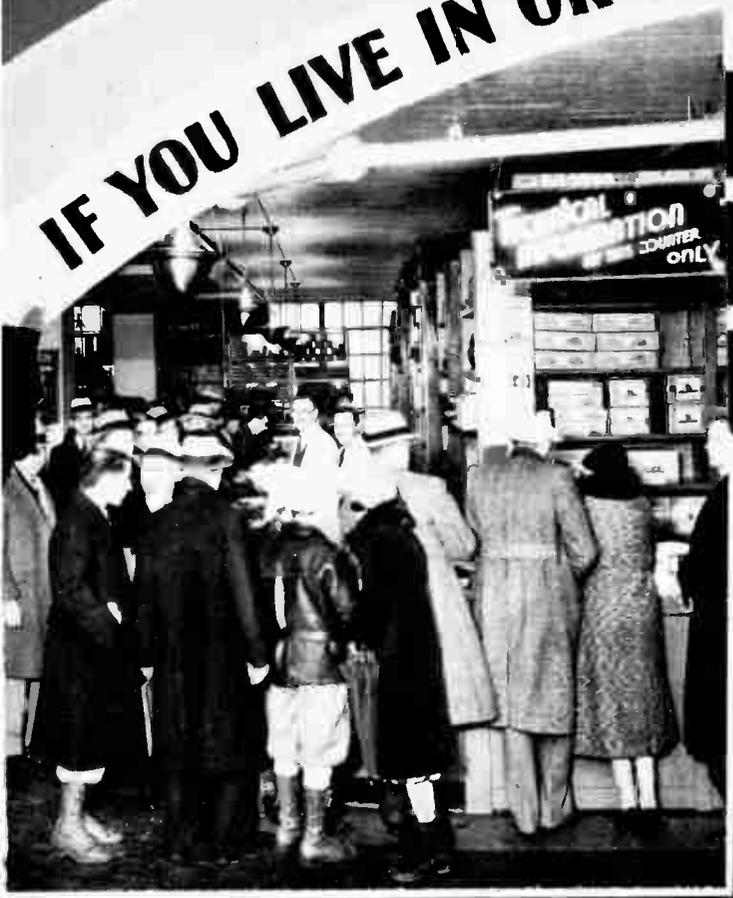
Every buyer of a Lafayette Radio Set, purchased from Wholesale Radio Service Company, is entitled to 30 days' free trial, in accordance with the terms of our regular 30 day Free Trial Offer. If you are not absolutely satisfied with your Lafayette Receiver, return it to us on or before the 30th day and your money will be refunded in full, less transportation charges.

WHOLESALE RADIO SERVICE CO., Inc.

**IF YOU LIVE IN OR VISIT NEW YORK**

*use our*

# MODERN COUNTER SERVICE



You will see at once that this is no ordinary radio establishment. Go into our private theatre, the soundproof booths and the set demonstration rooms, and hear as well as see every imaginable kind of radio set and public address amplifier in actual operation. No one buys blindly at Wholesale Radio!

The genuinely congenial atmosphere of our showroom makes 100 Sixth Avenue the headquarters for dealers, service men and amateurs. Come up and get acquainted with the "gang," discuss your problems with our engineers and salesmen, and in general make yourself at home.

If you need some supplies in a particular hurry, our special telephone order department is always ready to serve you. Call any of these numbers: **WALKER 5-8883, 8884, 8885, 8386, 8887 or 8889.** Trained and experienced salesmen will receive your order and will see that it is filled without delay.

You will receive prompt, courteous attention from a staff of expert radio technicians. Your wants will be filled at our unequalled low prices from our enormous stock.

## *Our New York Salesroom is* **RADIO HEADQUARTERS!**

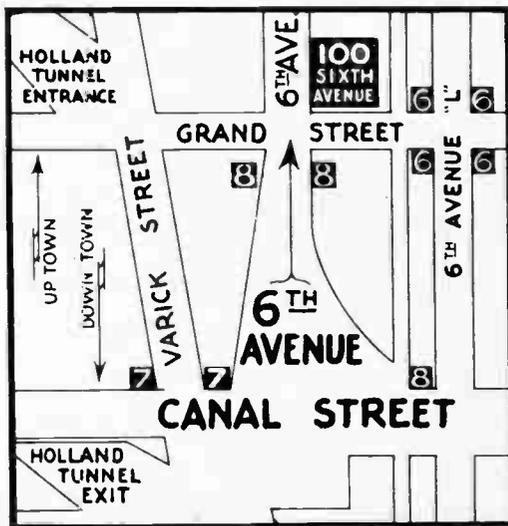
### CONSULT OUR NEW SERVICE DEPARTMENT

For the convenience and assistance of our customers we maintain a large and well equipped service department on the fifth floor. At very low charges, we repair all makes of sets, amplifiers, etc., in the shortest possible time. If you want expert, reliable attention, bring your service problems to us.

### HOW TO REACH 100 SIXTH AVENUE

No matter where you live in the metropolitan district, you can get to Wholesale Radio easily and quickly by auto, bus, elevated or subway. With the aid of the map on the right, you can't possibly get lost. 100 Sixth Avenue is at the corner of Grand Street, one short block north of Canal Street and the Holland Tunnel exit. Look for our signs on the building. Plenty of parking space on Sixth Avenue and the side streets.

The Grand Street station of the 6th Avenue "L" (numbers 6 on the map) is a short block to the east. The northerly exits of the Canal Street station of the new 8th Avenue subway (numbers 8 on the map) are directly across the street. The Canal Street station of the 7th Avenue subway (numbers 7 on the map) is one street away. There are always numerous policemen on duty in the vicinity. Don't hesitate to ask them for help in getting your bearings, as they all know Wholesale Radio and 100 Sixth Avenue.





# WE WILL

**F**OR 12 years Wholesale Radio Service Company has pursued a policy of giving its customers the finest values obtainable in the radio field. It has been, and is, our belief that every customer is entitled to the lowest current prices on all merchandise sold by us. Therefore we have always given our customers the benefit of all price reductions made by other mail order radio concerns, manufacturers or ourselves.

We intend to continue this policy. Should you see any item in our catalog listed in a mail order competitor's catalog at a lower price for the identical merchandise, write and tell us about it giving name of competitor and his catalog page number, *and we will ship the item to you at the same price.*

Should the prices on any of our merchandise be reduced after this catalog has been printed, when your order is filled, *you will receive a refund in full for the difference.*

**FOR YOUR PROTECTION** we publicly announce that **WHOLESALE RADIO SERVICE**  
PAGE 2

# NOT BE UNDERSOLD!

## *The* **TRUE MEANING** *of* **WHOLESALE RADIO'S** **FAMOUS POLICY!**

In other words, you can never buy from anybody cheaper than you can buy from Wholesale Radio Service. *We will not be undersold!*

Remember, there are no hidden strings to this offer! Wholesale Radio Service will sell you anything in radio at the lowest possible price.

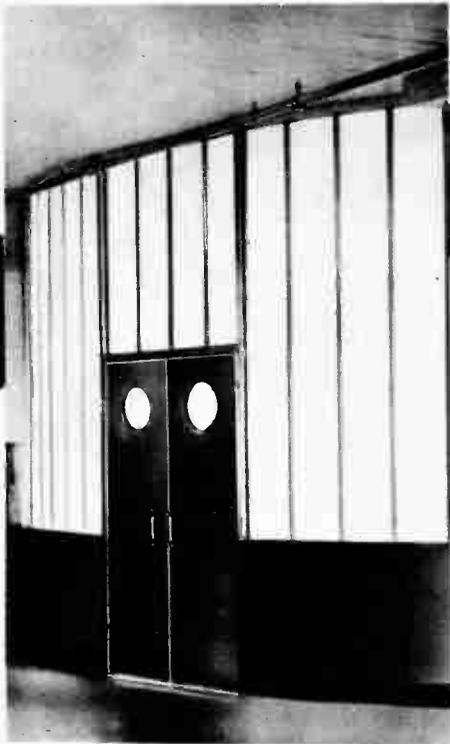
If a competitor cuts prices after seeing this catalog, we will meet his price reduction. *And despite the competition of illegitimate racketeers who are unloading obsolete, junk merchandise on the public, we will continue to sell brand new guaranteed merchandise at the lowest prices in the radio industry.*

IT IS OUR PROMISE AND GUARANTEE — backed by the resources of the largest institution of its kind in the country — *that we will sell only honest, legitimate merchandise at the lowest prices for which the same merchandise can be purchased elsewhere. It pays to buy from Wholesale Radio Service Co!*

**COMPANY, INC., is NOT and never has been associated with any other radio concern.**

# Scenes of DEPARTMENTS

# at WHOLESALE



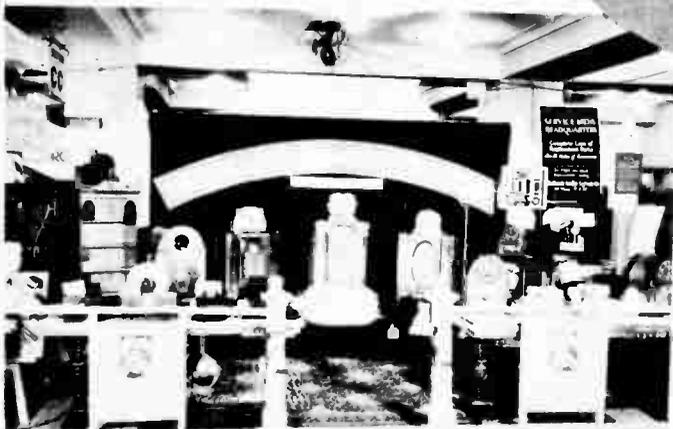
Outside view of the theatre entrance. Slender, graceful glass panels lend beauty and distinction to the auditorium. Sound proof, of course!



General business office, showing excellent daylight working conditions. Rapid service assured thru our direct private wire to Western Union and Postal Telegraph.



Our Export Department, where orders are shipped to every civilized country in the world. Skilled packers with export experience are employed.



This is a photo of Wholesale's booth at the Radio Show. Our booth is always an interesting one and the headquarters for visiting dealers and servicemen.

# RADIO SERVICE CO.

*assuring you*

## **SPEEDY EFFICIENT SERVICE!**



One section of our Huge Stock Room. Scientific, orderly shelf arrangement assures you of perfect, clean merchandise and efficient service.

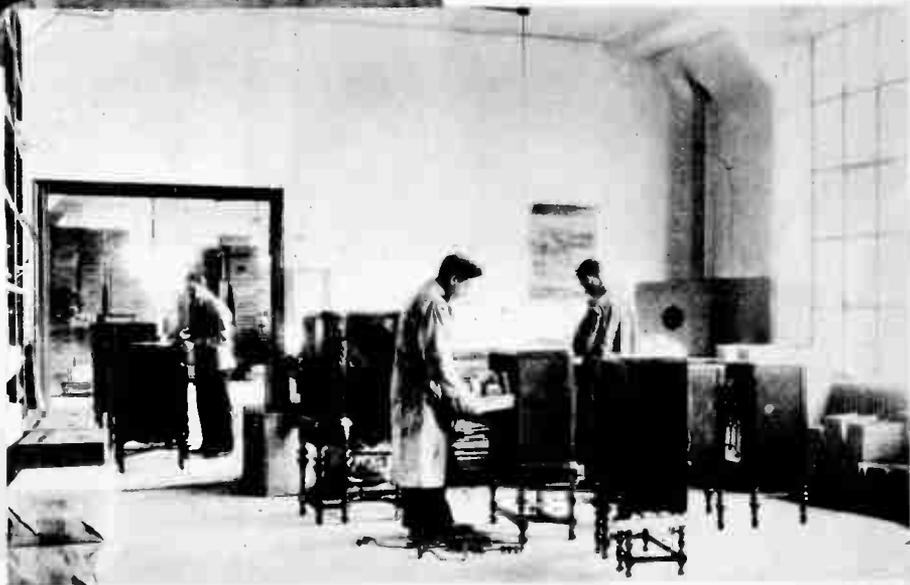


Another corner of our showroom. All visitors may test tubes free of charge on this remarkable Jewell Tube Tester.



A corner of our Shipping Department, where 94% of all orders are shipped within 24 hours or less. Ample floor space is provided for efficient, careful packing to prevent breakage. All orders checked 3 times for accuracy.

Every radio set goes through a final test of performance and efficiency before leaving our quarters. These men are constantly engaged in this work in our Final Test Department.



# LAFAYETTE NOMAD... PORTABLE RECEIVER for BROADCAST A.C.—D.C! and POLICE BAND

Here is the first A.C.-D.C. receiver that has the important features hitherto confined to A.C. sets costing twice as much. The new Lafayette Nomad not only works on either A.C. or D.C., but it also has an advanced superheterodyne circuit with partial automatic volume control, dynamic speaker, and the extended wavelength range of 75-550 meters! It not only brings in all the regular broadcast stations, but also scores of interesting police, television, airplane and amateur stations! The owner of a Lafayette Nomad never has a dull moment!

## LINE FREQUENCY NOT IMPORTANT

This set is universally adapted without adjustment to either 110 volts alternating current or 110 volts direct current. The superheterodyne circuit assures good sensitivity and selectivity. Sensitivity is rated at 15 microvolts (fifteen millionths of a volt) per meter. Selectivity is carefully adjusted to less than 20 kilocycles separation. The image ratio is relatively high, being rated at 600 to 1.

## SIMPLE WAVE CHANGING DEVICE

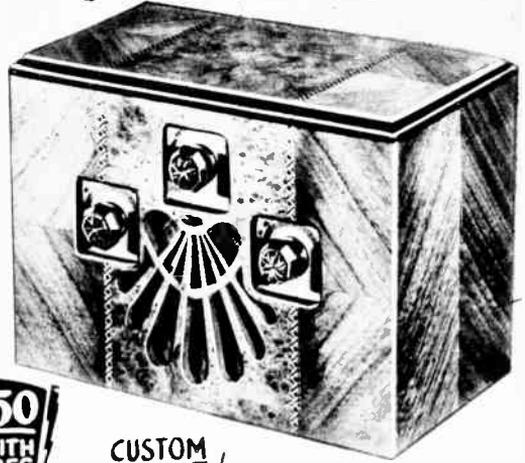
Short wave reception from 75 to 200 meters as well as standard wave reception from 200 to 550 meters is effectively and readily secured through adjustment of a two-position switch. The control arrangement includes fan dial of direct connected type and three knobs: one for tuning, a second for volume control and the third for wave changing. No movable or plug-in coils are employed.

## DYNAMIC SPEAKER USED

The full five-inch dynamic speaker assures a high degree of fidelity in program reproduction. The power output is one watt which represents more volume than the average room requires.

## NEW HIGH VACUUM RECTIFIER

The tube combination is as follows: one type 75, 77 and 78, one type 43 and one type 25Z5. The use of the new 25Z5 high vacuum rectifier, instead of the usual mercury vapor tube, assures a minimum of tube trouble and also the minimum use of resistance in the



**\$17.50  
WITH  
TUBES**

**CUSTOM  
BUILT!**

power line circuit. The overall operating temperature of the receiver is therefore low and the life of the tubes and parts greater. Power consumption is only 40 watts.

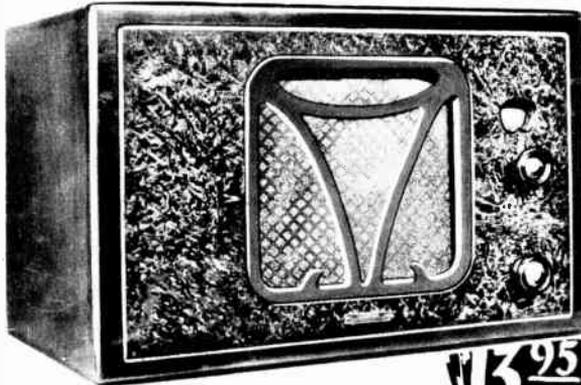
The intermediate amplifier stage is permanently tuned and sealed at the factory, thus eliminating a possible source of servicing trouble.

## HANDSOME MODERN CABINET

The cabinet of the Nomad is severely simple but very striking in appearance, with a cross-grain pattern of effective design. The loud speaker opening is adequate for sound distribution but not conspicuous enough to be distracting to the eye.

Model L-20—Lafayette Nomad 5-Tube A.C.-D.C. Superheterodyne, complete with tubes, for 110 volts D.C. and 110 volts, 25-60 cycles A.C. Dimensions: 11x8x6 inches. Shpg. wt., 12 lbs. Code Avise.

List \$35.00. Your Cost ..... **\$17.50**



**\$13.95  
WITH  
TUBES**

Model R-71—Lafayette 4-Tube "LITTLE TREASURE" with matched Dynamic Speaker for 105-120 volts, 50-60 cycles A.C. Complete with Tubes. Code Delta. Shpg. wt., 25 lbs. Overall dimensions: 13½ inches long, 9 inches high, 8½ inches deep. List, \$31.50.

Your Cost ..... **\$13.95**

Model R-72—Lafayette 4-Tube "LITTLE TREASURE" with matched Dynamic Speaker for 220-240 volts, 50-60 cycles A.C. Complete with Tubes. Code Dicky. Shpg. wt., 25 lbs. Overall dimensions: 13½ inches long, 9 inches high, 8½ inches deep. List, \$34.00.

Your Cost ..... **\$15.95**

## LITTLE TREASURE

Here is a stunning little receiver, complete with loud speaker, that can be put almost any place. Measuring only 13½ inches long, 9 inches high and 8½ inches deep, it fits conveniently in book shelves, on desk or table tops, even in some drawers.

The Little Treasure uses only four tubes, but packs a "wallop" that must be heard to be appreciated. The circuit is of the improved tuned radio frequency type, with a measured output of 3,000 milliwatts.

The selectivity is uniform over the entire broadcast band, 200 to 550 meters. Obtaining this uniform selectivity was a major accomplishment on the part of Lafayette engineers, previous T. R. F. receivers being notoriously deficient in this regard.

The Little Treasure uses one 57, one 58 and one 47—all pentodes—and an 80 rectifier. A high percentage of the theoretical amplification obtainable from these pentodes is actually realized.

In boosting the amplification to such a high level, Lafayette engineers have not sacrificed tone quality or circuit stability, which is too often what happens in small receivers.

A dynamic speaker—not a cheap magnetic cone—does full justice to the radio circuits. As this is mounted in the center of the cabinet, the top, sides and bottom of the latter provide good baffle area.

The simple and dignified appearance of the cabinet will strike an appreciative response. The front panel simulates locewood; the overall finish is American walnut.

# LAFAYETTE MINSTREL....

## The MIGHTY MIDGET!



**\$17.95**  
WITH  
TUBES

### Superheterodyne With Tone Control

#### HANDSOME WALNUT CABINET

The cabinet of the Minstrel is tastefully finished in American walnut, and is a pleasure to the eye. The speaker occupies the upper section, a decorative silk grille covering the opening of the cone.

Model M-31—Lafayette 5 Tube Superhet MINSTREL for 105-120 volts, 50-60 cycles A.C. Complete with Tubes. Code Digit. List, \$39.00. Shpg. wt., 25 lbs. Overall Dimensions: 14 $\frac{3}{4}$  inches high, 12 inches wide and 9 $\frac{1}{2}$  inches deep. Your Cost..... **\$17.95**

Model M-32—Lafayette 5-Tube Superhet MINSTREL for 220-240 volts, 50-60 cycles A.C. Complete with Tubes. Code Doric. List, \$45.00. Shpg. wt., 25 lbs. Overall dimensions: 14 $\frac{3}{4}$  inches high, 12 inches wide and 9 $\frac{1}{2}$  inches deep. Your Cost..... **\$19.95**

The Minstrel is a five-tube superheterodyne with the added feature of tone control. Tube for tube, in all-round performance, it has no equal on the market today. You can demonstrate this remarkable little set alongside of some larger and more expensive receivers, and its tone quality, sensitivity and volume will "clinch" its own sale.

#### FOUR PENTODES USED

The high efficiency of the Minstrel is due to the use of pentodes (five-element tubes), which perform the work of practically two tubes of former types. Of the five tubes in the set, four are pentodes, the fifth being an 80 rectifier that furnishes smoothly filtered direct current at the proper voltages for the stable operation of the amplifier, oscillator and detector circuits. Uses 2-57's, 1-58, 1-47 and 1-80.

#### SENSITIVE SUPERHET CIRCUIT

The superheterodyne circuit, universally acknowledged to be the best circuit known to radio science, is employed to full advantage. A stage of pre-selection, made possible by a three-gang variable condenser (unusual in sets of this size) prevents image interference and is responsible for a high degree of selectivity. This works into a composite oscillator-first detector stage, which in turn feeds a high gain intermediate amplifier stage, followed by a power detector and a final power output tube. Wavelength range, 200 to 550 meters.

#### DYNAMIC SPEAKER

A heavy dynamic loud speaker, securely bolted in place, handles the full output of the powerful circuit without distortion.

#### CONTROL THE TONE YOURSELF

The tone control enables the user to cut out the high notes and emphasize the lows, to his own liking. This feature will frequently make a sale, as many people are slightly tone deaf and need an adjustment of this kind.

#### BUILT-IN AERIAL

A built-in aerial adds greatly to the convenience of the Minstrel. Of course, a regular outside aerial may also be used if maximum results are desired. A phonograph pick-up jack is provided, so that owners of pick-ups may take advantage of the fine audio amplifier and loud speaker. The dial is of the full vision type and is easy to read.

## MAYFAIR ...

The new Lafayette Mayfair is a novel four-tube A.C. receiver built in upright form instead of the usual horizontal form. Although it measures only 9 inches wide, 11 $\frac{1}{2}$  inches high and 5 $\frac{1}{2}$  inches deep, it is very gracefully proportioned and will find immediate favor with many people who prefer a set occupying very little base area.

Reception of police, amateur and airplane stations with the Mayfair is made possible by a special tapped coil system. In the upper position the set covers the regular 240-550 meter broadcast band; in the lower, the 25-200 meter band. This is one of the very few small sets capable of such operation. Listening to the police radio alarms is particularly good fun.

Circuit uses a high gain type 58 pentode as tuned radio frequency amplifier, type 57 detector, type 47 output pentode and type 80 rectifier. Dynamic speaker gives astonishing volume and clarity. May be used with regular outside aerial or with built-in antenna. All metal chassis of strong construction. Cabinet tastefully finished in two-tone mahogany effect.

**\$11.75**  
WITH  
TUBES



Model S-10—Lafayette Mayfair 4-Tube, complete with tubes. For 110 volts, 50-60 cycles A.C. Dimensions: 9x11 $\frac{1}{2}$ x5 $\frac{1}{2}$  inches. Shpg. wt., 6 lbs. Code Marcus. List, \$25.00. Your Cost..... **\$11.75**



**CUSTOM  
BUILT!**

**TUBE**

**DUAL  
SPEAKER**

**MANTEL RECEIVER**

**WITH ANTI-ACOUSTICAL MOUNTING  
OF THE CHASSIS AND IMPROVED  
AUTOMATIC VOLUME CONTROL**

**\$37.50**  
CABINET MODEL  
WITH TUBES

The advantages of dual speakers are by no means limited to big console receivers. Here is a compact table model Lafayette 7-Tube Superheterodyne with TWO DYNAMICS and a chassis having the latest and best circuit features.

Don't consider this remarkable custom-built receiver a "midget." The handsome cabinet that houses the two speakers and the chassis stands 17 3/4 inches high, 17 inches wide and 11 inches deep, and is so gracefully proportioned that you would never guess it contained so much radio apparatus!

The two speakers are "pitched" differently, and reproduce the entire range of audible broadcast frequencies with really amazing naturalness. This set is a revelation to people accustomed to the limited response of most single speaker sets. The new Lafayette 7-Tube Dual Speaker receiver is a real musical instrument as well as a fine piece of furniture. Try this set under our 30-day free trial plan and be convinced yourself!

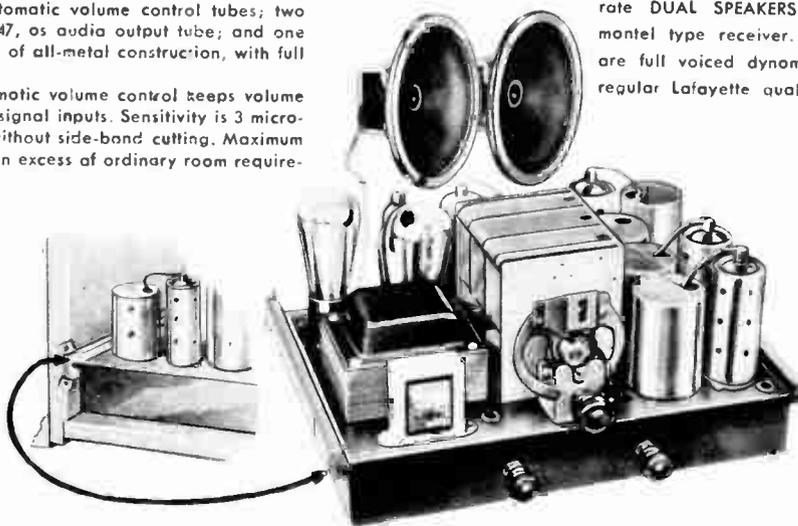
**Lafayette-Perfected Superheterodyne Circuit**

The perfected superheterodyne circuit, worked out by Lafayette engineers, employs the newest R.F. and A.F. pentodes. There are three 57's, as oscillator-mixer, second detector, and automatic volume control tubes; two 58's, as R.F. and I.F. amplifiers; one 47, as audio output tube; and one 80 as full wave rectifier. The chassis is of all-metal construction, with full shielding.

The sensitive and quick-acting automatic volume control keeps volume and uniform level over wide range of signal inputs. Sensitivity is 3 microvolts per meter. Full 10 kc. selectivity without side-band cutting. Maximum audio output is 2 1/2 watts, which is far in excess of ordinary room requirements. Smooth tone control.

The chassis of the 7-Tube Dual Speaker Superheterodyne is entirely free from the cabinet, being supported on resilient sponge rubber. This method of mounting prevents audio feed back from the speaker to the chassis and eliminates microphonic or "bonging" noises. An exclusive Lafayette feature, characteristic of our custom-built sets.

Lafayette again leads in being one of the first to incorporate DUAL SPEAKERS in a mantel type receiver. These are full voiced dynamics of regular Lafayette quality.



**Model L-18—Lafayette 7-Tube Mantel Receiver with Twin Speakers for 105-120 volts, 50-60 cycles A.C. Complete with Tubes. Code Manif. Shpg. wt. 50 lbs. List \$80.50. Your Cost.....**

**\$37.50**

**Model L-19—Lafayette 7-Tube Mantel Receiver with Twin Speakers for 220 volts, 60 cycles or 110 volts, 25 cycles A.C. Complete with Tubes. Code Manuf. Chassis dimensions: 10 inches high, 15 inches wide and 10 inches deep. Shpg. 52 lbs. List \$90.00. Your cost.....**

**\$40.50**

**Model L-16—Lafayette 7-Tube Chassis with Twin Speakers for 105 to 120 volts, 50-60 cycles A.C. Complete with Tubes. Shpg. wt. 44 lbs. Code Frond. List \$75.00. Your cost.....**

**\$33.95**

**Model L-17—Lafayette 7-Tube Chassis with Two Speakers for 220 volts, 60 cycles or 110 volts, 25 cycles. Code Frean. Shpg. wt. 46 lbs. List \$82.00. Your cost.....**

**\$36.95**

# LAFAYETTE

**AUTOMATIC VOLUME CONTROL  
BUILT IN ANTENNA  
TONE CONTROL**

**7 Tube  
Super  
Het**

**\$24.95**  
CHASSIS  
SPEAKER  
AND TUBES

The latest refinements in superheterodyne circuit design are incorporated in the Lafayette 7 Tube Superheterodyne, which sells for a remarkably low price and constitutes one of the best "buys" in a market abounding with bargains. Lafayette engineers have accomplished what was considered impossible at first: the development of a low priced "super" with the new tubes and many genuine features without departing in the slightest from the established high Lafayette standards of workmanship, construction and performance.

Full advantage is taken in the carefully engineered circuit of the high gain and versatility of the new six-prong tubes, which are used as follows: One 58 R.F. pentode as pre-amplifier, one 56 as oscillator, one 58 R.F. pentode as first detector, one 58 as I.F. amplifier, one 55 duo-diode as second detector and auto-



matic volume control, one 47 A.F. pentode as output tube, and one 80 as full wave rectifier.

#### A. V. C. THAT WORKS

The automatic volume control is unusually effective in preventing fading and inter-station "blasting", and holds the output at the level determined by the setting of the manual volume control. Smooth tone control, full voiced dynamic speaker and full vision dial all contribute to radio enjoyment such as you have never experienced before.

The Lafayette 7 Tube Superheterodyne is built to last. All metal chassis, complete shielding and carefully soldered connections which means long life and minimum of service attention.

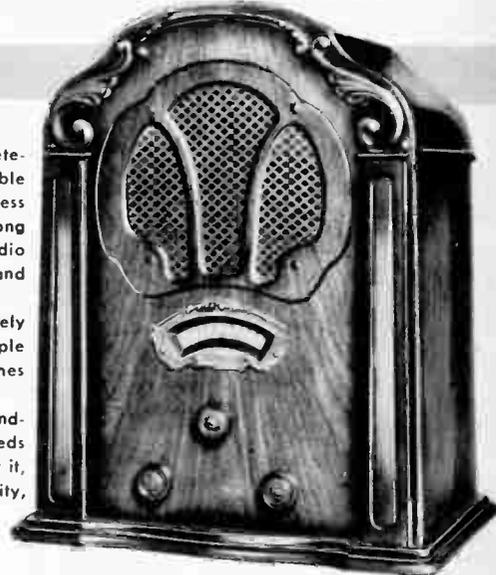


#### LITTLE SYMPHONY

The combination of the Lafayette 7 Tube Superheterodyne and a high grade phonograph turntable and pickup makes a musical instrument of priceless value. With electrically-cut records of the new long running type playing through distortionless audio amplifier and dynamic speaker, you can command the world's best music.

With the top down, the turntable is completely hidden. The cabinet is a beautifully simple example of furniture craftsmanship. Dimensions: 21 inches high, 19 inches wide, 15 inches deep.

The 7 Tube Superheterodyne in the truly handsome table model cabinet shown at the right needs no sales talk! Just let people look at it and hear it, and they will marvel at its sensitivity, selectivity, tone quality and generally smooth operation.



**Model M-35**—Lafayette 7 Tube Superheterodyne chassis, with matched dynamic speaker, complete with tubes. For 105-120 volts, 50-60 cycles A.C. Dimensions, 13 inches wide, 10 inches deep, 7 inches high. Shpg. wt. 28 lbs. Code Bugle. List Price \$56.00.

Your Cost..... **\$24.94**

**Model M-37**—Lafayette 7 Tube Superheterodyne Mantel receiver, complete with tubes. For 105-120 volts, 50-60 cycles A.C. Dimensions, 19 inches high, 10½ inches deep, 15½ inches wide. Shpg. wt. 40 lbs. Code Dandy. List Price \$62.50.

Your Cost..... **\$27.95**

**Model M-53**—Lafayette 7 Tube Superheterodyne phono-radio combination, complete with tubes. For 105-120 volts, 50-60 cycles A.C. Dimensions, 21 inches high, 19 inches wide, 15 inches deep. Shpg. wt. 97 lbs. Code Donor. List Price \$122.00.

Your Cost..... **\$54.75**

# LAFAYETTE SUPER-HET

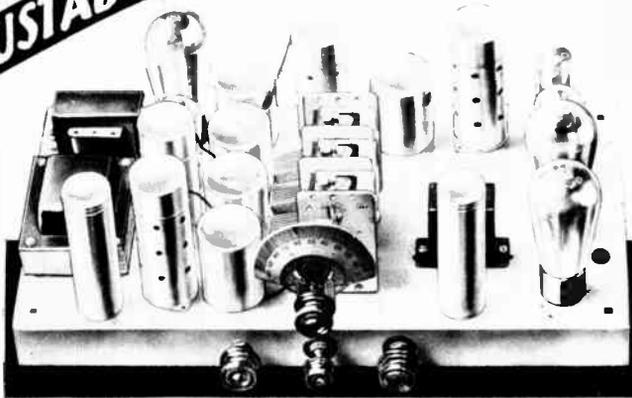
TUBES

TONE CONTROL  
VOLUME CONTROL

Automatic  
Featuring  
**ADJUSTABLE MUTING SYSTEM**

\$ **39.95**

CONSOLE  
MODEL  
WITH TUBES



### LAFAYETTE QUALITY THROUGHOUT

Lafayette quality is maintained without sacrifice in this powerful 10-Tube Superheterodyne, which uses the latest tubes and has many features hitherto found only in sets costing considerably more. At a price asked for some midgets using fewer tubes, here is a regular, full-size console, with dual speakers, that will find many purchasers.

### IMPROVED SUPERHETERODYNE CIRCUIT

The improved superheterodyne circuit incorporates such features as diode detection, smooth manual volume control in addition to the remarkably effective automatic volume, muting system to eliminate between-station noise, and two dynamic speakers, pitched differently to give complete coverage of the musical range. The automatic volume control does away with "blasting" and a great deal of "fading", and makes radio listening a pleasure indeed. In many locations automatic volume control of this kind is essential to satisfactory reception because local conditions aggravate fading effects.

### SPECIAL MUTING TUBE

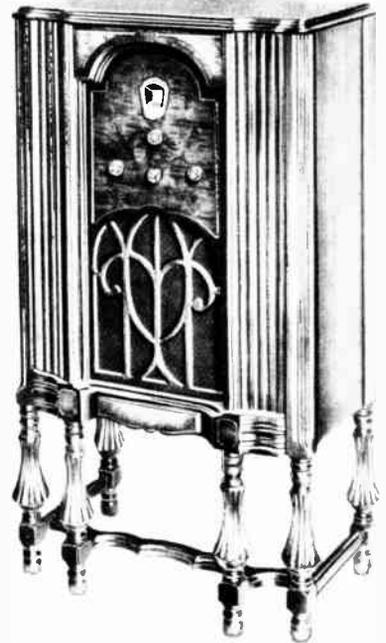
The tubes used, and their functions, are as follows: 1-58, as pre-amplifier, 1-56, as oscillator, 1-58, as first detector, 1-58, as intermediate amplifier, 1-55, as second detector, and automatic volume control, 1-56, as special "muting" tube, 1-56, as first audio amplifier, 2-47's, as push-pull audio amplifiers, and 1-80 as rectifier. All metal, completely shielded chassis is ruggedly built and will last a lifetime. Parts are strongly mounted and are generously spaced out to provide free circulation. No "hot spots."

### BEAUTIFUL CABINET

The beautiful console cabinet stands full 42½ inches high, 25 inches wide and 13 inches deep. The radio panel is of American walnut, capped with locewood arch and attractive moldings. Six legs give strength as well as gracefulness. Speaker opening covered with gold cloth. Flat top of cabinet makes good place for ship model, bowl of flowers, or other decoration.

### UNEQUALLED VALUE!

Imagine—dual dynamic speakers, adjustable muting system, automatic volume control and tone control in a 10-Tube Superheterodyne in a full size console cabinet of enduring beauty—at this unprecedented price! Only quantity production of this deservedly popular model enables us to bring the price down to the present level, which represents one of the greatest bargains in the radio market!



**Model M-65**—Lafayette 10-Tube Superheterodyne chassis, with tubes and single speaker. For 102-120 volts, 50-60 cycles A.C. Dimensions: 18x9x6½ inches. Shpg. wt. 42 lbs.

Code Cable. List \$72.00.

Your Cost ..... **\$29.75**

**Model M-73**—Lafayette 10-Tube Superheterodyne Console (as illustrated) with tubes and single speaker, for 102-120 volts, 50-60 cycles. Dimensions: 42½x25x13 inches. Shpg. wt. 100 lbs. Code Crony.

List \$88.00.

Your Cost ..... **\$39.95**

**Model M-67**—Lafayette 10-Tube Superheterodyne chassis with tubes and dual speakers. For 102-120 volts, 50-60 cycles A.C. Dimensions 18x9x6½ inches. Shpg. wt. 50 lbs. Code Gemel. List \$80.00.

Your Cost ..... **\$33.25**

**Model M-51**—Lafayette 10-Tube Superheterodyne Console, with tubes and dual speakers. For 102-120 volts, 50-60 cycles A.C. Dimensions: 42½x25½x13 inches. Shpg. wt. 105 lbs.

Code Glory. List \$110.00.

Your Cost ..... **\$44.25**

# Trutest 4 tube A.C.-D.C. "COMPACT" with a REAL DYNAMIC SPEAKER!

**FOR THE HOME, HOTEL,  
CLUB AND FARM**

UNIVERSAL—Can be used on A.C. or D.C. Current

VOLTAGES—From 52 to 220

RANGE—200 to 550 meters

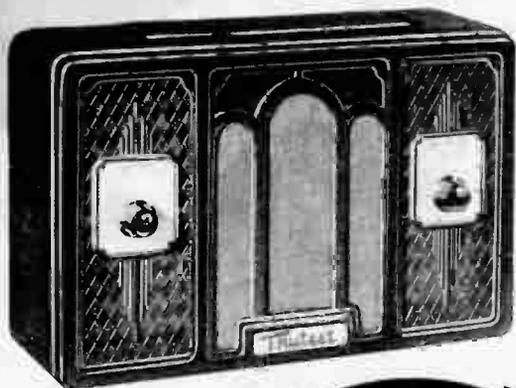
The New Trutest 4-Tube A.C.-D.C. "Compact" is the Sensation of the Radio Industry. Although it measures only  $9\frac{1}{2} \times 6\frac{1}{2} \times 4\frac{1}{2}$  inches overall, it includes a REAL Dynamic Loud Speaker—not a magnetic. Uses the very latest type tubes—1 type 39 R. F. Amplifier; 1 type 36 Detector; 1 type 38 output pentode and 1 type 25Z5 Rectifier. It is astonishingly sensitive, and in most locations works perfectly with only a small indoor aerial thrown on floor in back of set; this is already attached to set. No ground connection is required. Is ideal for travelers. The one-piece cabinet is of unbreakable steel, finished in Dark Brawn, with decorative Gold Cloth over speaker opening. Shpg. wt., 12 lbs. Code Pigeon. Complete with R.C.A. Tubes. Your Cost .....

**\$10.75**

Model T-24—Attachment to use this set on 32 or 220 volts.

Your cost for this attachment..... **\$2.00**

FREE Portable carrying case with every order for three sets



**\$10.75  
WITH  
TUBES**

## LAFAYETTE 6 TUBE A.C.-D.C. RECEIVER

Here is a 6-Tube universal A.C.-D.C. receiver that will work anywhere! Uses the latest type tubes, with push-pull audio amplifier having output of 2 watts. Tubes: 2—type 39, 1—type 37, 2—type 43, and 1—type 25Z5. The latter is the new voltage double tube. Range: 200 to 550 meters.

With 20 microvolt per meter sensitivity and 10 kilocycle selectivity, this Lafayette receiver with its super-dynamic speaker is a real performer, with volume enough to supply dance music and tone quality of the highest order. Has variable tone control and special line filter to keep out noise. Total power consumption only 35 watts.

Handsome table model cabinet is finished in American walnut, a beautiful and durable wood. Stands 17 inches high,  $14\frac{1}{4}$  inches wide, and 9 inches deep.

Model S-99—Lafayette 6-Tube A.C.-D.C. Receiver, complete with tubes, for 100-125 volts D.C. and 100-120 volts, 25-60 cycles A.C. Dimensions:  $17 \times 14\frac{1}{4} \times 9$  inches, Shpg. wt., 29 lbs. Code Loire. List, \$60.00.

Your Cost .....

**\$27.95**

**\$27.95  
WITH  
TUBES**



## New! LAFAYETTE "PIGMY" 5 TUBE A.C.-D.C. with a REAL DYNAMIC SPEAKER!

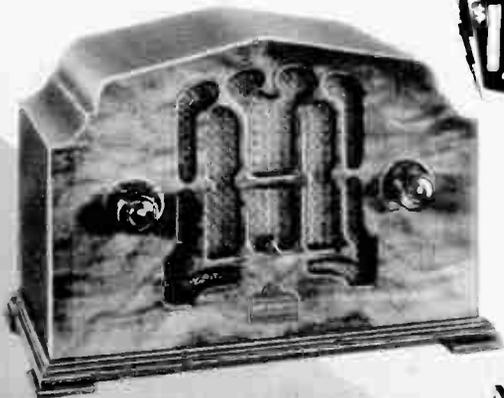
This New "PIGMY" 5-Tube A.C.-D.C. 200 to 550 Meter Receiver with its beautiful Burl Walnut Cabinet, piano finished, sets it apart as an instrument of Quality. Measures only 11 inches wide; 7 $\frac{3}{4}$  inches high and  $5\frac{1}{2}$  inches deep. The Volume and Tone Quality leave nothing to be desired. Full deep tone is assured by the special Dynamic Speaker used. It uses 5 tubes—1 type 39; 1 type 36; one type 37; 1 type 42, the new power output tube, and 1-25Z5 Rectifier. Is quiet and economical in operation. Shpg. wt., 18 lbs.

Model T-30 — 5-Tube A.C.-D.C. "Pigmy" for 100-120 volts D.C., and 100-120 volts, 25-60 cycles A.C. Code Roset. Complete with R.C.A. Tubes. List, \$25.00.

Your Cost .....

**\$15.95**

**\$15.95  
WITH  
TUBES**

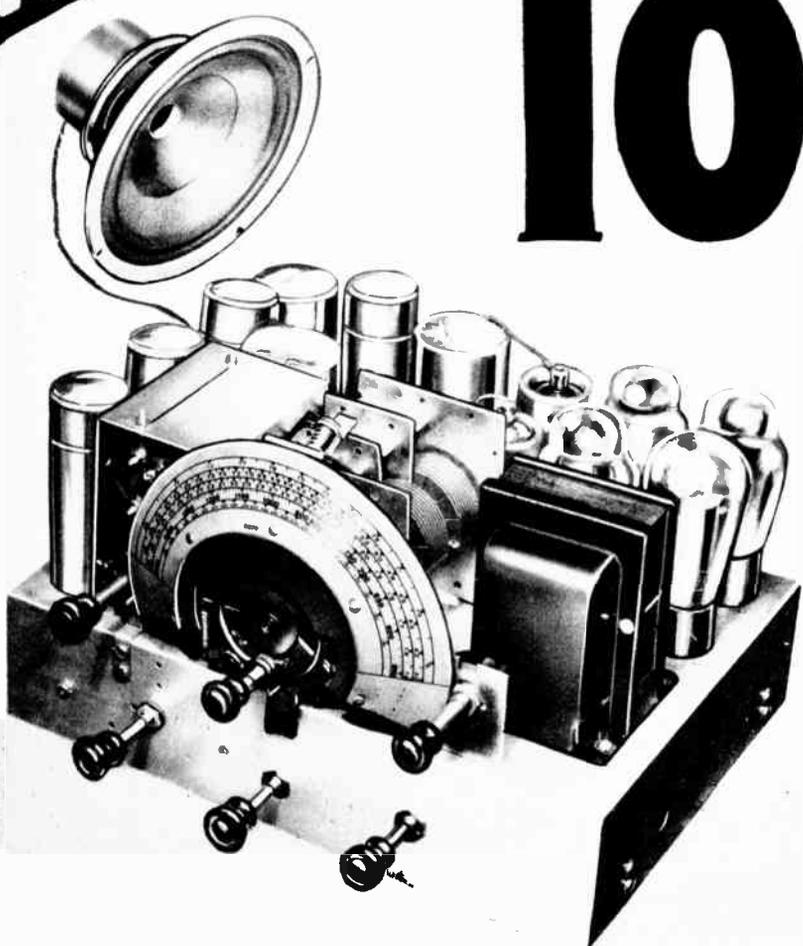


No Federal Tax to be Added to any of our prices.

# Enjoy the THRILLS of FOREIGN RECEPTION...

# 10 TUBE

## 15 to 550 METERS



Covers all the Short Wave stations as well as the regular broadcast bands—two receivers in one!

**\$43<sup>75</sup>**  
CHASSIS  
SPEAKER  
AND TUBES

**E**VERY modern radio circuit feature known to the engineering profession has been incorporated in the custom built DUAL WAVE by Lafayette engineers. All of the following features contribute to the efficiency of the receiver on both the short waves and the regular broadcast waves: static control, automatic volume control, class "B" amplification, tone control, ultra selectivity, with new type pre-selector, and sensitivity such as only a properly designed superheterodyne can provide. No straining of ears or the imagination with the DUAL WAVE; this set brings in the signals and lets you hear them through the full voiced dynamic speaker in comfort. Lafayette engineers have made special provision to keep out code interference picked up by the intermediate amplifier regardless of the setting of the tuning dial. Every short wave listener will thank the Lafayette designers for this achievement.

#### PRE-SELECTOR

A three-gang variable condenser is utilized in a pre-selector circuit on the broadcast band, and in combination with a low frequency intermediate frequency amplifier affords better selectivity than ever before obtained from combination wave receivers of this type. This means freedom from interference and enables you to tune in out-of-town stations on the broadcast band even while locals are operating full blast.

#### STATIC CONTROL

The new Lafayette DUAL WAVE is one of the first short and broadcast wave receivers to employ an interstation noise suppressor. This functions on signals as weak as 50 microvolts, and eliminates the rush of power in the speaker when the set is tuned off a carrier wave and the automatic volume control tends to bring up the circuit to maximum sensitivity. Static and man-made interference between stations are thus kept down to an absolute minimum.

#### CLASS "B" AUDIO AMPLIFICATION

Regardless of the incoming signal strength, you cannot overload the DUAL WAVE receiver, because of the efficient design of the class "B" audio amplifier. Tremendous amplification is secured without distortion, the three type 59 tubes being operated in the most advantageous manner. The latest R.F. and A.F. pentodes are used: 3-59, 2-57, 3-58, 1-55, 1-80.

#### TO NE CONTROL

In addition to the interstation noise suppressor, this receiver also includes a tone control, which helps to minimize high frequency atmospheric. The owner can adjust the tone to suit his own tastes or the acoustical requirements of the room.

#### AUTOMATIC VOLUME CONTROL

There is no delay in the action of the perfected automatic volume

*No Federal Tax to be Added to any of our prices.*

with a NEW  
**LAFAYETTE**  
CUSTOM-BUILT

**DUAL-WAVE  
RECEIVER!**

# SUPER-HET!

With the Lafayette 10-Tube DUAL WAVE Superheterodyne the entire world of radio is at your command! Not only does this remarkable set bring in all the regular broadcasting stations on the 200-550 meter band, but also short-wave broadcasting stations in London, Paris, Berlin, Madrid, Rome, Moscow, Sydney, Buenos Aires, Tokio and Khabarovsk! Also numerous police radio alarms, airplanes in flight, transoceanic radiophones and hundreds of distant amateur stations. Does this sound incredible? Not at all!—many satisfied DUAL WAVE owners entertain their friends with foreign programs regularly. You hear music and announcements just as you do from local stations. The scale is calibrated and you need only turn the single tuning knob to bring in all these fascinating stations.

The DUAL WAVE combines all the features of regular broadcast reception with the limitless thrills of the short waves. No longer are two separate receivers necessary! New stations are opening everywhere, and short-wave broadcasting is improving almost as rapidly as regular broadcasting has during the last several years. The custom built Lafayette DUAL WAVE does away with critical dial manipulation and makes short wave reception easy as well as interesting.

**\$48<sup>50</sup>**  
WITH TUBES



central built into this set by Lafayette engineers. It uses the type 55 duo-diode, and responds instantly to any changes in the carrier wave intensity. This feature is of particular importance on the short waves, where fading is more pronounced than it is on the broadcast band.

#### FREEDOM FROM CODE INTERFERENCE

Anyone who is purchasing a dual wave receiver for the first time is not aware of the importance of eliminating untunable code interference. In practically all previous combination wave receivers a high intermediate frequency, in the neighborhood of 400 kilacycles, was used. As there are many powerful commercial radio telegraph stations working in this region, considerable trouble was experienced because the I.F. amplifier would pick up their signals together with the regular programs to which the set was tuned. In the new Lafayette this trouble has been eliminated by the choice of an intermediate frequency of 115 kilacycles.

#### INCREASED SENSITIVITY

Stations never heard before on previous sets can be brought in with excellent strength on the new DUAL WAVE. Increased sensitivity made possible by careful circuit adjustment is responsible for this superiority.

#### TWIN SPEED DIAL

The dial on this receiver has two driving ratios, one high and the other low, which can be selected instantly by means of a little shift lever under the main tuning knob. Use the fine ratio for the short waves, the other for the broadcast band.

#### ENDURING CONSTRUCTION

Lafayette custom-precision workmanship is evident throughout.

**Model E-20**—Lafayette 10-Tube Dual Wave Superheterodyne chassis, with matched dynamic speaker and tubes, for 105-120 volts, 50-60 cycles A.C., less cabinet. Dimensions: 13½ inches wide, 10 inches deep, 9 inches high. Shpg. wt. 38 lbs. Code Bucks. List, \$43.75  
\$93.50. Your Cost.

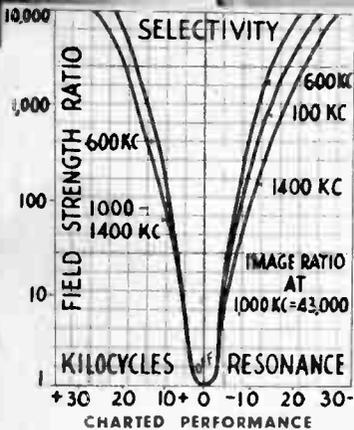
**Model E-21**—Lafayette 10-Tube Dual Wave Superheterodyne chassis, with matched dynamic speaker and tubes, same as above, but for 200-240 volts, 25-60 cycles A.C. Shpg. wt., 43 lbs. Code Brante. List, \$46.75  
\$100.00. Your Cost. Chassis are available with dual speakers at \$3.75 extra.

**Model E-22**—Lafayette 10-Tube Dual Wave Superheterodyne receiver in table model cabinet shown above, complete with speaker and tubes. Dimensions: 19 inches high, 16 inches wide, 11½ inches deep. For 105-120 volts, 50-60 cycles A.C. Shpg. wt., 55 lbs. Code Bingo. List, \$105.00 Your Cost. \$48.50

**Model E-23**—Lafayette 10-Tube Dual Wave Superheterodyne receiver, same as above except for 200-240 volts, 25-60 cycles A.C. Shpg. wt. 60 lbs. Code Berics. List \$110.00. Your cost. \$51.50

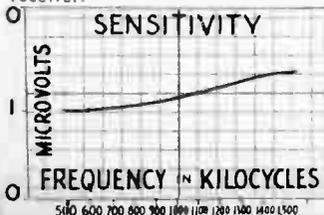
**No Federal Tax to be Added to any of our prices.**

# LAFAYETTE CUSTOM-BUILT 12 TUBE DE-LUXE SUPER-HET



The shape of the selectivity curve of the 12-Tube receiver indicates the sharp tuning of this Lafayette set. Freedom from interference is assured.

A degree of sensitivity sufficient for the reception of extremely distant stations is indicated by the sensitivity curve of the Lafayette 12-Tube receiver.



## ★ The Six Star Lafayette Receiver

SHUTS OUT MAN-MADE STATIC BETWEEN STATIONS—new automatic noise suppressor, radio's greatest advancement, rejects interference and noises between stations.

MANUAL INTERFERENCE CONTROL—regulates the action of the automatic noise suppressor. Set control at a point just above the interference level, and enjoy pure, undisturbed, noise-free reception.

AUTOMATIC VOLUME CONTROL—diode type. Eliminates the nerve-racking blasting when tuning from weak to strong stations. Assures easy tuning. Diode type detector eliminates harmonic distortion.

TRIPLE DIAL TUNING—an assurance of better performance. Enables you to visibly determine the setting of tuning condensers, volume adjustment and tone control adjustment.

PERFECTED LAFAYETTE TONE CONTROL—full range, allowing complete tone graduations from the very low bass to the brilliant highs. Enables you to suit your own taste as to tonal quality.

IMPROVED TWIN VOICE DYNAMIC SPEAKERS—specially designed to carry the great output of the receiver. One speaker is pitched for high notes and the second for low notes, which arrangement results in an overall fidelity of practically 100% within the extremes of 70 to 4500 cycles.

No Federal Tax to be Added to any of our prices.

# Shuts Out *man-made* STATIC!

**BETWEEN STATIONS**

*for the first time* - **PERFECT RADIO RECEPTION!**

## **A LAFAYETTE CUSTOM BUILT PRODUCT!**

A LAFAYETTE TRIUMPH! Precision construction throughout—each and every part thoroughly tested with micrometer accuracy—the radio engineers' dream of the "perfect" radio set. Lafayette leads again—as it has for twelve years!

### **Silent Tuning Assured**

Now you can enjoy the ultimate in undisturbed, noise-free tuning. Electrical interference and noise between stations from appliances such as vacuum sweepers, hair-dryers, refrigerators, dial telephones, dentist drills, are rejected! No noise, no blasts, no nerve-wracking distortion from your new Lafayette—silent, glowing performance utterly and completely different.

### **12-Tube Superhet Circuit**

Eight tuned circuits are used in the new superhet. Chassis licensed under R.C.A. and Hazeltine patents. Battleship construction used throughout. Dimensions of chassis: 17 $\frac{1}{8}$  inches wide, 12 $\frac{1}{8}$  inches deep, and 9 inches high. Tubes used include: Two-type 46 in the modified push-push (semi-class "B") third audio frequency stage; three '56 improved triodes used in the oscillator stage, in the 2nd detector stage and in the second audio frequency stage; two '57 improved screen-grid used in the cut-out stage for automatic interference suppressor and in the first audio frequency stage; four '58 improved vari-mu Pentode used in the radio frequency stage, in the mixer (1st detector) stage, in the first intermediate frequency and second intermediate frequency stages; one '82 mercury vapor used as alternating current rectifier.

### **Every Modern Improvement**

Glance over this list of features. AUTOMATIC INTERFERENCE SUPPRESSOR, MANUAL INTERFERENCE CONTROL, AUTOMATIC VOLUME CONTROL, TRIPLE DIAL TUNING, IMPROVED TWIN DYNAMIC SPEAKERS, LAFAYETTE PERFECTED TONE CONTROL. Other outstanding features are MODIFIED CLASS "B" AMPLIFICATION, which not only allows for the great undistorted output of the Class "B" type of audio circuit at high volume but which also reproduces with the same outstanding fidelity at low output or volume. ILLUMINATED TUNING METER enables you to secure a visibly perfect setting of the dial when tuning to a station, assuring simplified tuning and accurate adjustment of the tuning condenser. This new receiver utilizes the new high-gain tubes to the fullest advantage.

### **New Heights of Sensitivity and Selectivity**

The sensitivity or ability to receive distant programs of this remarkable receiver is rated at less than one microvolt (one millionth of one volt) per meter. Selectivity is carefully adjusted to ten kilocycle separation. The common complaint of side band cutting is eliminated by precision adjustment of the intermediate frequency amplifier. Wave length range—200-550 meters.

Output of receiver is potentially 18 watts but the regular output has been reduced to 10 watts for reasons of stability and protection of the speaker. Current consumption is 140 watts. Stability is made certain through the use of extremely close tolerances.

### **Radio's Finest Reproducer**

Tonal fidelity is so realistic as to defy description. Rubber cushion mounting of the tuning condenser, oversize power supply, the use of four chokes for the elimination of hum and distortion, the three stages of audio frequency including the modified Class "B" stage and the improved twin speakers are some of the factors responsible for the tonal purity of this great custom-built receiver.

The control arrangement includes illuminated full vision tuning, volume control and tone control dials with illuminated tuning meter and four knobs—one for tuning, another for manual volume control, another for adjustment of the automatic interference suppressor and the fourth for tone control.

Money can't buy a finer radio receiver than this new Lafayette! Try it yourself. 30 Days Free Trial to test our statement that this is the finest radio receiver ever produced.

Model 1-1—Lafayette 12-Tube Superhet chassis with Twin Speakers for 105-120 volts, 50-60 cycles A.C. Dimensions: 17x14x8. Shpg. wt. 57 lbs. Complete with tubes. Code Brier. List \$117.50.

Your Cost ..... **\$52.50**

Model 1-2—Lafayette 12-Tube Superhet chassis with Twin Speakers for 220-240 volts, 60 cycles. Complete with tubes. Code Bruin. Shpg. wt. 60 lbs.

List \$125.00. Your cost ..... **\$57.50**

# Two Splendid Cabinet

## 12 TUBE SUPERHET



### THE VICEROY

A 12 Tube Superheterodyne combining the advantages of faultless radio reception with an exceedingly fine example of furniture craftsmanship.

Turn to pages 14 and 15 and read the complete description of the chassis which makes the VICEROY one of the outstanding radio values of the year.

**\$66<sup>50</sup>**  
WITH TUBES

### CUSTOM BUILT SETS

For those who are not satisfied with ordinary radio performance and whose home surroundings demand distinction in appearance, this receiver leaves nothing to be desired. No radio could possibly offer more. Sensitivity that bridges vast distances and brings in stations from the four corners of the continent; selectivity that permits no interference from high powered locals even on adjacent channels; power that projects programs through great dynamic speakers with full, healthy vitality—and eye-filling beauty that can not fail to delight the most discriminating judge of fine furniture.

### THE CONSOLE

The design of this cabinet is the creation of a furniture stylist and artist, faithfully followed by the master craftsmen engaged in its construction. Top and sides are of five-ply birch; radio panel of center matched rotary walnut veneer. Arch is of matched lacewood with contrasting overlays. Flanking the radio panel are pilasters of beaded and fluted hardwood. The apron and understructure follows the outline of pilasters and panel, and are flanked on both sides with gracefully turned moulding which join apron to the legs. The same motif is carried out in all four legs, which are braced with bentwood stretchers. Extremely massive construction used throughout, with careful attention paid to correct baffle areas. A truly beautiful and artistic console custom built throughout.

Model L-4—Lafayette 12 Tube De Luxe Superheterodyne for 220-240 volts, 60 cycle A.C. Complete with RCA, Arcturus or Lafayette tubes. Size, 42 in. high, 25 in. wide and 14 $\frac{3}{4}$  in. deep. Shpg. wt. 138 lbs. Code Floral. \$**71.25**  
List, \$160.00. Your Cost.....

Model L-5—Lafayette 12 Tube De Luxe Superheterodyne for 105-110 volts, 60 cycle (also 105-110 volt, 25 cycle) A.C. Complete with RCA, Arcturus or Lafayette tubes. Size, 42 in. high, 25 in. wide and 14 $\frac{3}{4}$  in. deep. Shpg. wt. 135 lbs. Code Fancy. List, \$150.00. \$**66.50**  
Your cost.....

# Models of the Lafayette

## DE LUXE

## ERODYNE

### THE REGENT MODEL

A 12 Tube Superheterodyne designed for those who feel that they are entitled to the most luxurious performance and elegance that radio affords.

Turn back to pages 14 and 15 and read the detailed description of the chassis which is contained in this marvelous receiver. Here is the finest Lafayette in Lafayette history—Radio De Luxe!

**\$77.50**  
WITH TUBES

### FOR PEOPLE OF TASTE

The REGENT is our finest! A radio for the discriminating few. Its Twelve New Type High Gain Tubes, all of which are there for a purpose, provide an immense reserve of surging power instantly available and always under perfect control.

There is comforting satisfaction in owning a hundred horse-power automobile capable of a hundred miles per hour—not because you want to drive that fast, but because you like to know that should you care to, you can out-distance others. By the same token it is comforting to own such a receiver as the REGENT with its wealth of power, acute sensitivity and hair-line selectivity.

### EVERY MODERN FEATURE

No feature which could possibly add to the satisfaction of radio entertainment has been omitted in the design of this master receiver—NOISE SUPPRESSOR with its amazing ability to suppress the annoyances of man-made static and atmospheric disturbances; VISUAL TUNING METER which enables you to adjust for exact resonance. VISUAL VOLUME ADJUSTMENT, a great improvement over the old method and VISUAL TONE SELECTOR, which enables you to make tone adjustments by sight and not guess.

The console of the REGENT is truly a masterpiece. Designed by an artist, made by master craftsmen from a wide variety of hardwood veneers, it stands alone in its class and elegance.

Double sweep pilasters of choice burl walnut flank the radio panel of beautifully grained rotary walnut. In contrast arch and apron are of oriental walnut lighter in tone. Legs and understructure are beautifully carved and turned.



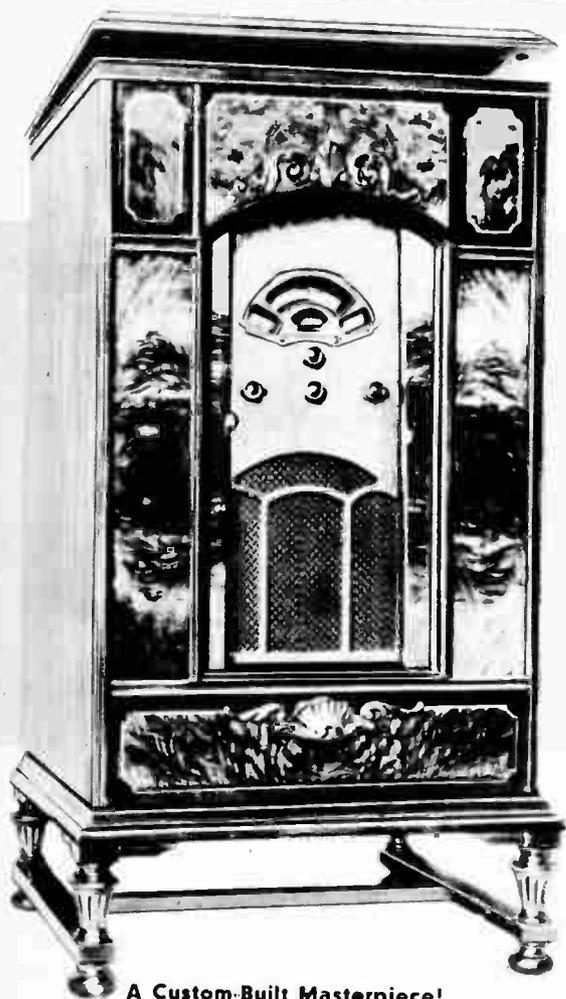
There is also available a custom-built phonograph-radio combination using the 12-tube chassis, as described, in a magnificent cabinet similar to the REGENT model.

### FINER YET LOWER IN PRICE!

**Model L-3—Lafayette 12 Tube De Luxe Superhet for 105-110 volts, 60 cycle A.C. Size 42 in. high, 26 in. wide and 15 in. deep. Shpg. wt. 115 lbs. Complete with Tubes. Code Flute.**  
List, \$175.00. Your Cost..... **\$77.50**

**Model L-4—Lafayette 12 Tube De Luxe Superhet for 220-240 volts, 60 cycle A.C. Size, 42 in. high, 26 in. wide and 15 in. deep. Shpg. wt. 115 lbs. Complete with Tubes. Code Flyer.**  
List, \$181.50. Your Cost..... **\$82.50**

# The WORLD'S Finest Musical Combination



**A Custom-Built Masterpiece!**

Pictured above is the cabinet of this combination. One of the most beautiful sliding door cabinets ever created, an artistic combination of rare hardwoods. The sliding doors are of center matched butt walnut. Radio panel is of select straight grain American walnut, flanked by two pillars of matched rotary walnut. The canopy has an inlay of curly African walnut over which is a genuine wood carving in Acanthus. Speaker opening is faced with a go-dea cover grille cloth, and directly beneath is a drop door which opens to the record compartment. Extra heavy top of 5 ply American walnut veneer covers phonograph and automatic record changer. Top is suspended on piano hinges, with automatic locking bracket. Sides of cabinet are unusually heavy to provide adequate baffle area for the receiver's tremendous volume. Four handsomely carved and turned legs with extra heavy stretchers. The workmanship throughout represents furniture craftsmanship of the highest type.

## Complete with Capehart Record Changer

Model L-7—Complete with 105-120 volt, 50-60 cycle A.C. Dimensions: 47½ in. high, 23½ in. wide and 18¼ in. deep. Shpg. wt. 185 lbs. Code Colan. List \$380.00. **\$149.50**  
Net

Model L-8—Complete with 220-240 volt, 60 cycle A.C. Dimensions 47½ in. high, 23½ in. wide and 18¼ in. deep. Shpg. wt. 185 lbs. Code Colus. List \$390.00. **\$154.50**  
Net

## Complete with Standard Two-Speed Motor

Model L-9—Complete with 105-120 volt, 50-60 cycle A.C. Shpg. wt. 173 lbs. Code Colre. List \$270.00. **\$119.50**  
Net

Model L-10—Complete with 220-240 volt, 60 cycle A. C. Shpg. wt. 173 lbs. Code Colit. List \$280.00. **\$124.50**  
Net

## LAFAYETTE 12 TUBE DeLuxe SUPER-HET

with  
**CAPEHART PHONOGRAPH  
and AUTOMATIC  
RECORD CHANGER**



The world's supreme musical reproducer, a deluxe phono-radio combination with the new Lafayette 12-Tube Superhet and the famous Capehart Phonograph and Automatic Record Changer. The finest in radio—unequalled reception with your Lafayette—and a phonograph that will reproduce your records perfectly. PLUS the CAPEHART AUTOMATIC RECORD CHANGER, which makes it possible to listen to 3 hours of music without interruption, without the constant necessity of changing records. The world of music—the finest record and radio entertainment—at your fingertips with the world's greatest musical combination—the LAFAYETTE—CAPEHART PHONO-RADIO.

The chassis used in this combination is the Lafayette 12-Tube De Luxe Superheterodyne with AUTOMATIC NOISE SUPPRESSOR, which shuts out man-made static and other noises between stations, AUTOMATIC VOLUME CONTROL, LAFAYETTE PERFECTED TONE CONTROL, PERFECTED 12-TUBE SUPERHET CIRCUIT, DUAL DYNAMIC SPEAKERS, and a list of additional outstanding features which makes this set the finest and greatest Lafayette ever developed. Full details of this chassis will be found on pages 14 and 15 of this catalog.

The Capehart Automatic Record Changer needs no introduction. Equipped with new electrical transcription pick-up. Plays 10 and 12-inch records, and is completely automatic. The last record repeats until restacked or when master switch is turned off. By using the new "Victor 12" records you can listen to 3 hours of continuous music. Plays with a two speed motor. 33 1-3 and 78 R.P.M. records.

The Lafayette Dual Speed Electric Pick-up is scientifically developed to reproduce with absolute fidelity the intricate chromatic elements of the most difficult musical compositions. Many exclusive features, including rubber damping. The Dual Speed Motor—33 1-3 or 78 R.P.M.—is the very newest type. All gears are completely enclosed. Silent spiral cut gears made from laminated Bakelite. Long over-size self-lubricating bearings. Will not overheat in closed cabinets.

# LAFAYETTE LONG WAVE SUPER-HET

## 7 TUBES

### 200 to 2,000 METERS MEDIUM and LONG WAVE



**\$32.50**  
WITH TUBES

## LAFAYETTE SEVEN TUBE SUPER HET 200—2000 METERS

Model M-69—Lafayette 7-Tube Superheterodyne, 200 to 2000 meters, in cabinet measuring 19x14x10 inches. With dynamic speaker and tubes. For 102-120 volts, 50-60 cycles A.C. Shpg. wt. (packed) 38 lbs. Code Braba. List \$72.50. **\$32.50**  
Your Cost .....

Model M-70—Same as above except for 220-240 volts, 25-60 cycles A.C. Shpg. wt. (packed) 40 lbs. Code Brank. List Price, \$79.00. **\$34.50**  
Your Cost .....

While broadcasting in the United States is confined between 200 and 550 meters, the European stations cover the wide range of 200 to 2000 meters. The new Lafayette 7-Tube Superheterodyne, which covers this entire band without plug-in coils, brings to European radio listeners all the advanced features found in the latest American sets. A heavy duty selector switch on the front panel enables the owner to tune in either the 200-550 or 850-2000 meter bands.

#### PRE-SELECTOR STAGE

A stage of pre-selection, made possible by a three-gang tuning condenser, functions on all wave lengths and gives the receiver knife-edge selectivity without sideband cutting. Automatic volume control eliminates between-station blasting and greatly reduces fading.

#### NO CODE INTERFERENCE

The intermediate frequency amplifier is tuned to 115 kc., a value that prevents the set from picking up telegraph stations. This is an extremely important provision; most dual-wave receivers use a much higher frequency and suffer very badly from code interference.

#### EFFICIENT TUBE ARRANGEMENT

The newest R.F. and A.F. pentodes are used to their fullest advantage in a circuit that represents months of laboratory research by Lafayette engineers. A type 58-tube functions as first detector, 1-56 as local oscillator, 1-58 as I.F. amplifier, 1-56 as diode detector and automatic volume control tube, 1-56 as first audio, 1-47 as output tube and 1-80 as full wave rectifier.

#### PERFECT TONE QUALITY

A power operated dynamic speaker gives unexcelled quality of reproduction with volume enough for any room. Chassis includes connections for phonograph pick-up.

# LAFAYETTE 10 tube TRIO SUPER-HET

## 15 to 2,000 METERS.... SHORT, MEDIUM and LONG WAVES

The new Lafayette 10-Tube "Trio" Superheterodyne is truly an international receiver, as it tunes to all the short wave channels, the regular 200-550 meter broadcast band and also the European 850-2000 meter broadcast range. The whole world is at the fingertips of the owner of a "Trio"!

#### ELEVEN BIG FEATURES

1. **Pre-Selection**—a 3-gang condenser, in combination with a low frequency I. F. amplifier, affords selectivity beyond anything achieved before.
2. **Automatic Volume Control**—acts instantly to cut out station blasting and to reduce fading.
3. **Static Control**—eliminates condition caused by automatic volume control flooding set with power when tuned off carrier of station.
4. **Freedom from Code Interference**—low intermediate frequency of 115 kc. keeps annoying telegraph signals out of set.
5. **Tone Control**—enables user to adjust tone response to suit his own taste.
6. **Class "B" Audio**—tremendous power without distortion with a finely engineered circuit using three type 59 tubes.
7. **Twin Speed Dial**—for fine tuning on short waves, quick tuning on broadcast bands. Directly calibrated dial.
8. **Increased Sensitivity**—permits the reception of distant stations inaudible with other receivers.
9. **Favorable Image Ratio**—eliminates cross modulation and mysterious whistles.
10. **Enduring Construction**—all-metal chassis will last indefinitely.
11. **Latest Tubes**—set uses 2-59, 3-57, 3-58, 1-55, 1-80.



**\$53.95**  
COMPLETE WITH TUBES

Model E-204 Lafayette 10-Tube "Trio" Superheterodyne chassis, with matched dynamic speaker and complete with tubes. For 110-220-240 volts, 25-60 cycles A.C. Dimensions, 9x10x13½ inches. Shpg. wt. 42 lbs. Code Bucks. List Price \$102.00. **\$49.75**  
Your Cost .....

Model E-226 Lafayette 10-Tube "Trio" Superheterodyne receiver in handsome cabinet measuring 19x16x11½ inches, complete with tubes and speaker. For 110-220-240 volts, 25-60 cycles A.C. Shpg. wt. 50 lbs. Code Binga. List Price \$110.00. **\$53.95**  
Your Cost .....

No Federal Tax to be Added to any of our prices.

# 8

**\$41.95**  
WITH TUBES

**TUBE TWO VOLTS**

# LAFAYETTE BATTERY EQUAL to A.C. SETS

## First Battery Short Wave and Broadcast Receiver

The 8-Tube Dual Wave in the average farm or small town location will easily bring in both East and West Coast stations on the broadcast band, dozens of foreign short-wave broadcasting stations, and hundreds of airplane, police, amateur and experimental stations below 200 meters. **Wavelength range, 15 to 550 meters.** No bothersome plug-in coils; just turn a knob on the front panel to shift wave ranges. Selectivity in the order of 10 kc. means easy separation of interfering stations. Sensitivity, 10 microvolts.

In rural communities conditions are ideal for both short wave and broadcast reception. Here is where the 8-Tube Dual Wave will prove a popular number! It is the **first battery operated short and broadcast wave set.**

This is no weak old "squealer", but a Superheterodyne with **AUTOMATIC VOLUME CONTROL.** This means that fading on either the short or long waves is kept down to a minimum—a vitally important consideration in rural districts.

### CLASS "B" AUDIO

Volume enough to supply music for barn dances is assured by a Lafayette development of class "B" audio amplification. Great economy of battery current. Tubes used are: 2-34's, 2-32's, 2-30's, 2-49's. Required batteries: Eveready 2 volt "Aircell" (or equivalent in dry cells), one 22½ volt "C" battery and three or four 45-volt "B" batteries.

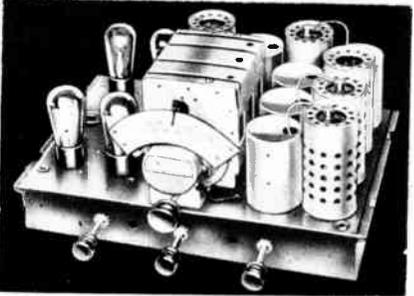
No effort or expense has been spared to make this set a real custom-built instrument. Precision parts and careful Lafayette engineering are evident throughout.



# 9

**TUBE TWO VOLTS**

## SUPER-HET



For those who derive their main radio pleasure from the regular broadcasting stations, the new Lafayette 9-Tube Superheterodyne, entirely battery operated, is the finest set on the market. All-metal battleship type construction, the best of parts, and careful assembly, wiring and testing put this superlative custom-built receiver in the same class with all Lafayette products.

### A.V.C. with Tuning Meter

The circuit of the 9-Tube Superheterodyne contains features hitherto confined to A.C. sets. Sensitivity of two microvolts means the set will bring in stations practically from anywhere in the country. Full automatic volume control, of the linear or diode type, eliminates that terribly annoying blasting as you tune from weak stations to strong ones, and gives clear, steady volume at all times. An easy vision tuning meter, located directly under the tuning scale, removes the guesswork from tuning. Class "B" audio system allows great undistorted output with low average battery drain. Output is approximately one watt.

Tone control changes the high or low note response at your will.

### Six Tuned Circuits

A total of SIX tuned circuits gives the 9-Tube Superheterodyne true 10 kc. selectivity that enables you to bring in only the stations you want to hear. Overall stability is secured through extremely close tolerances on all parts and adjustments; for instance, an allowance of only 1% variation in the capacity of the three-gang tuning condenser.

### Automatic Bleeder Circuit

Of great importance to continued economy of operation is the automatic bleeder circuit of the 9-Tube Superheterodyne, which

equalizes the grid and plate voltages in the proper proportion as the "B" batteries deteriorate slowly through use.

Tubes used: 6-30's, 3-34's. Batteries required: Eveready 2-volt "Aircell", one 22½ volt and one 4½ volt "C" batteries and four 45 volt "B" batteries. Specially matched, permanent magnet dynamic speaker is available.

### Model E-24—8-Tube Dual Wave battery set, in midget cabinet with permanent magnet dynamic speaker and RCA, Arcturus or Lafayette tubes. Less batteries. Dimensions: 13 in. wide, 9 in. deep, 16¼ in. high. Shpg. wt. 33 lbs. Code Balbo.

List Price \$87.50.  
**Your Cost ..... \$41.95**

### Model V19973—Eveready Aircell "A" battery. Set of Burgess "B" and "C" batteries (135 volts "B", 22½ volts "C"). Shpg. wt. 80 lbs.

**Your Cost ..... \$11.25**

### Model L-11—9-Tube Superheterodyne, battery operated chassis with permanent magnet dynamic speaker, less batteries and tubes. Chassis dimension: 14 inches wide, 9¾ inches deep, 7¼ inches high. Shpg. wt. 40 lbs. Code Tartar. List Price \$75.00.

**Your Cost ..... \$33.50**

#### IN-CONSOLE CABINET

**Model L-12—9-Tube Superheterodyne, battery operated chassis with 8 inch permanent magnet dynamic speaker, in console shown on right, less tubes and batteries. Dimensions: 42 inches high, 24 inches wide, 14½ inches deep. Shpg. wt. 100 lbs. Code Tempo. List Price \$96.50.**

**Your Cost ..... \$44.50**

**Model V19112—Set of specially matched RCA, Arcturus or Lafayette tubes for 9-Tube Superheterodyne. Shpg. wt. 6 lbs. List Price \$18.30.**

**Your Cost ..... \$8.95**

**Model V-19973—Set of Burgess "B" and "C" batteries and Eveready "Aircell" for 9-Tube Superheterodyne. (180 volts "B", 4½ and 22½ volts "C"). Shpg. wt. 52 lbs.**

**Your Cost ..... \$13.20**

# ETTE RECEIVERS in PERFORMANCE

# 6

TUBE TWO VOLTS

**\$15.95**  
CHASSIS ONLY

### Six-Tube Set

The new Lafayette 6-Tube Battery Receiver is a low priced set that sets a new standard of radio reception in homes without electric current. It uses the latest type radio frequency and audio frequency pentodes tubes, especially designed for economical operation from batteries.

### FOUR STAGE CIRCUIT

A husky four-gang variable condenser is employed with four sharply tuned radio frequency stages. Both the tubes and the R.F. tuning transformers are completely shielded, thus eliminating troublesome signal pickup by these units. The set has a uniform sensitivity of one microvolt per meter, with great selectivity all over the 200-550 meter broadcast range.

### RESISTANCE COUPLED AUDIO

Absolute tone fidelity is made possible by a special resistance coupled audio amplifier. Either a magnetic or a permanent magnet dynamic speaker may be used.

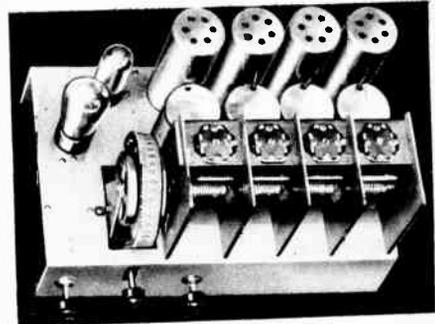
### EASE OF OPERATION

A clearly calibrated vernier dial makes tuning simple and easy. The volume of the set may be regulated from a whisper to maximum strength by the smooth and "jumpless" volume control.

The tubes required for the 6 Tube Set are: 3-34's, 1-30, 1-31 and 1-33. Batteries: one 2-volt Eveready "Aircell" battery, one 22½-volt "C" battery and three 45-volt "B" batteries.

The Lafayette battery receivers described on these pages bring to residents of unwired districts all the circuit features and operating conveniences hitherto found only in A.C. sets. They are up-to-date in all details of electrical design and mechanical construction and are built to give permanent satisfaction.

**\$34.50**  
LESS TUBES



### ALL-METAL CHASSIS

The all-metal chassis and careful construction throughout make the Lafayette 6-Tube Receiver a permanent investment of enduring satisfaction.



# SPLENDID CONSOLE!

### A Splendid Custom-Made Console

The especially fine console shown on the left will house either the 9-Tube Superheterodyne or the 6-Tube set. It is a handsome piece of furniture, with lines of sheer grace and slender beauty. The dignified, unobtrusive design of this console permits it to be used with practically any type of household furnishings.

Sides and top are of butt walnut veneer, with figured walnut front panel. The recessed radio panel is of select rotary walnut. The loud speaker opening is covered by a decorative grille which does not hamper the sound waves. This cabinet is solidly constructed and will withstand the strongest acoustic vibration without affecting the quality of reproduction in the slightest.

Height: 42 inches, width, 24 inches, depth 14½ inches.

Model W-101—6-Tube battery operated chassis, less tubes, speaker and batteries. Dimensions: 12 inches wide, 8 inches deep, 7¾ inches high. Shpg. wt. 26 lbs. Code Talos. List Price \$36.00. **Your Cost \$15.95**

Model W-105—6-Tube battery operated chassis, in console shown at right, with permanent magnet dynamic speaker, less tubes and batteries. Dimensions: 42 inches high, 24 inches wide, 14½ inches deep. Shpg. wt. 80 lbs. Code Talae. List Price \$72.00. **Your Cost \$34.50**

Set of specially matched RCA, Arcturus or Lafayette tubes for 6-Tube set. Shpg. wt. 4 lbs. List Price \$15.00. **Your Cost \$7.50**

Model W-19975—Set of Burgess "B" and "C" batteries for 6-Tube set (135 volts "B", 22½ volts "C" and Eveready Aircell. Shpg. wt. 81 lbs. **Your Cost \$10.95**

The Eveready "Aircell" battery looks like a storage battery, but it works on a new principle. Works particularly well with the Lafayette battery sets. Just pour in a little water every month or so; no other attention necessary!



Model V-19973—Eveready "Aircell" two volt "A" battery. Dimensions: 10½ inches high, 13¾ inches wide, 6¾ inches deep. Shpg. wt. 29 lbs. Code Balto. **Your Cost \$5.95**

# A Wonderful Selection of LAFAYETTE CONSOLES

**\$15.95**  
CONSOLE ONLY

## The PLYMOUTH

### PHONO-RADIO COMBINATION

This is an unusually attractive Phono-Radio Combination Console, built of the choicest Walnut Veneers. Four leg design, beautifully carved. Radio panel of American Walnut, flanked with pilasters of decorative moulding. The entire Console conforming to the latest style in Radio Furniture. Workmanship and finish is of the finest. Full fashioned hinged Top of selected Walnut. Dimensions are 42 in. high, 23½ in. wide and 16½ in. deep. Inside Phano. Compartment dimensions: 3¾ in. high, 21 in. wide and 13¾ in. deep. Shpg. wt. lbs.

\$17709—Code Latus. Console only, less phono equipment or set. List price, \$32.50. **Your Cost \$15.95**



**\$47.50**  
CONSOLE ONLY

## The MADISON

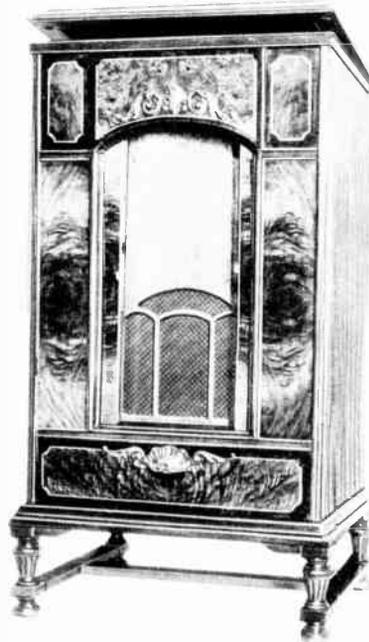
### PHONO-RADIO COMBINATION

It is seldom that a phonograph-radio combination cabinet as fine as THE MADISON is created. It is almost unnecessary to state that only the finest hardwoods have been used, that the workmanship is by the most skilled craftsman, that the designer is indeed an artist.

The sliding doors of this noteworthy cabinet are of center matched butt walnut. Radio panel of straight grain American walnut, flanked by two pillars of match Rotary walnut. Canopy has an inlay of curly African walnut over which is a genuine wood carving in Acontus. Speaker opening is faced with a golden color grill cloth, and directly underneath is a drop door which when opened reveals a phonograph record compartment. Extra heavy top of 5 ply American walnut Veneer covers space for phonograph. Top is suspended on piano hinges with automatic locking bracket. Dimensions: 47½ in. high, 24½ in. wide and 13¼ in. deep. Inside dimensions: 30 in. high, 22 in. wide, 15¼ in. deep. Shpg. wt. 140 lbs.

\$17707—Code Decal. Console only, less equipment. **\$47.50**  
List Price, \$110.00. **Your Cost**

\$17708—Code Decre. Console with Capehart Dual Speed Unit, Less Receiver. Shpg. wt. 150 lbs. List Price \$250.00. **Your Cost \$92.50**



**\$15.50**

## The MONARCH

This massive console is a masterpiece of the cabinet-maker's art. It was especially designed by a well-known artist and made by master craftsmen. Top and sides of five-ply birch; radio panel of center matched rotary walnut veneer. Arch is of matchea locewood with contrasting overlays. Flanking the panel are pilasters of beaded and fluted hardwood. Apron and understructure follows

the outline of pilasters and panel, and is flanked on either side with gracefully turned mouldings which join apron to the legs. Designed to fit into the most luxurious homes. Overall size: 42 in. high, 25 in. wide and 14¾ in. deep. Inside dimensions: 25 in. high, 18½ in. wide and 11¼ in. deep. Shpg. wt. 75 lbs.

\$17710—Code Bilbo. Console only. List Price, \$35. **Your Cost \$15.50**

**\$3.25**

## The MANLYN

A cabinet that attracts admiration and commands respect. The fact is of American walnut veneer with overlays darkened to simulate black walnut. Sides are of heavy three ply gum wood. Three piece top of solid gum wood. All joints are mortised and reinforced with heavy blocks. Outside dimensions are 18 in. high, 10 in. deep, 15½ in. wide; inside dimensions: 15½ in. high, 9¼ in. deep, 13 in. wide. Shpg. wt. 15 lbs. Mantel Cabinet only. List Price, \$7.50. **\$3.25**

\$17706—Code Canse. **Your Cost**



**One of Hundreds!**

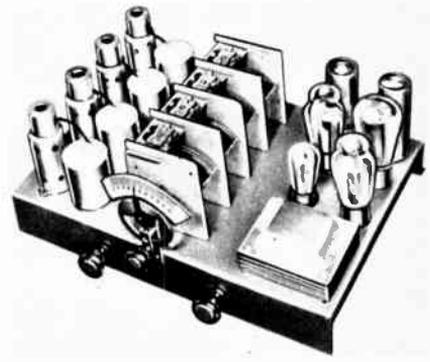
Secaucus, N. J.  
Wholesale Radio Service Co., Inc.

Gentlemen:  
I built one of your 8 Tube TRF jobs from the kit, put it into a console with a dynamic speaker, and sold it right away as a custom set at a good profit! My customer is highly satisfied and is boasting about his "built-to-order" radio. I am now working on the superhet and already have another prospect all lined up.

SERVE RITE RADIO CO.  
M. Schippert.

# Trutest RECEIVER KITS

**EASY TO ASSEMBLE AND WIRE**



**\$13.75**  
KIT  
of PARTS

## 8 Tube T. R. F. ECONOMY EIGHT

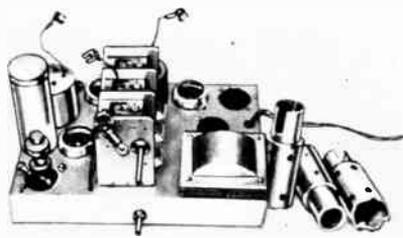
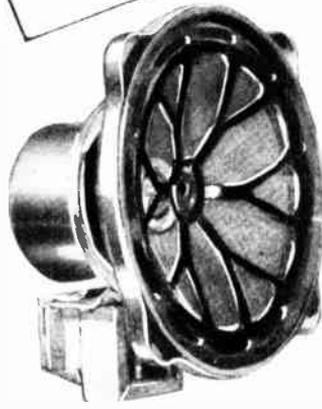
The Trutest Economy 8-tube kit makes up into a high gain T.R.F. receiver of absolutely professional appearance. Metal chassis measures 12" deep, 16 1/2" wide and 7 1/4" high. Three sharply tuned stages, using latest type 58 tubes, feed into a 57 linear detector, resistance coupled to a 56 first audio stage. Output stage has two type 59 pentodes in push-pull, giving tremendous output of SIX WATTS. Has tone control and connections for phonograph pick-up.

Materials and parts are all up to the regular high R.M.A. standard. Chassis is accurately cut, bent and drilled and all components fit without lost minute manipulation. All necessary parts down to the last screw and washer are furnished. Complete set of diagrams free.

Assembled in a couple of evenings with only a screwdriver and a soldering iron.

Tube combination: 3-58's, 1-57, 1-56, 2-59's, 1-80. For 110-120 volts, 50-60 cycles A.C.

- Model Y22057 — Trutest Economy 8 Tube Kit. Less tubes and speaker. Shpg. wt. 28 lbs. Code Trute. List Price \$35.00. **Your Cost \$13.75**
- Y22058—Matched 12" dynamic speaker. Shpg. wt. 10 lbs. List Price \$10.00. **Your Cost \$4.25**
- Y22059—Kit of 8 matched tubes. Shpg. wt. 7 lbs. **Your Cost \$6.25**



# 5 TUBE Jr. DX'er SuperHeterodyne

**\$14.95**  
KIT  
of PARTS

All Your tubes in the radio circuit are pentodes, the fifth being an 80 rectifier. Needle sharp tuning is provided by a three-gang variable condenser, with a stage of pre-selection ahead of a combined oscillator—first detector stage using a type 57 R.F. pentode. Following is a high gain intermediate frequency stage, working at 175 kc. and using a type 58 pentode. This feeds into a type 57 power second detector, which terminates in a type 47 audio pentode. Any standard dynamic speaker with a field resistance of 1800 ohms may be used.

The selectivity, distance getting ability and "wollop" of this great little performer make it an outstanding development of Lafayette engineering skill.

Nothing has been overlooked in making the Trutest 5 Tube kit complete in all details. A screwdriver, a pair of pliers and a soldering iron are the only tools you need. Detailed instructions and diagrams positively prevent you from making errors.

Tube combination: 2-57's, 1-58, 1-47, 1-80. For 110-120 volts, 50-60 cycles A.C.

- Model JR Dx'er—5 Tube Superheterodyne Kit. Less tubes and speaker. Shpg. wt. 19 lbs. Code Feule. List Price, \$32.50. **Your Cost \$14.95**
- Model JR Dx'er—Complete kit of 5 specially matched tubes for Jr DXR 5 Tube Kit with matched dynamic speaker. 1800 ohm field. Including proper output transformer. Code Fidel. **Your Cost \$5.00**



Role—6 inch dynamic speaker and complete set of tubes for 5 Tube Kit. 1800 ohms field resistance. Shpg. wt. 12 lbs. Code Daure. **Your Cost \$5.00**

**H**AVE you always thought that superheterodynes are complicated and therefore difficult for the service man or constructor to put together? Some superhets are, but not the Trutest 5 Tube kit! With the chassis and all the parts carefully prepared for you, you can assemble this kit very easily either for your own use or for ready resale in a midget or small console cabinet. You derive pleasure as well as profit from the work.

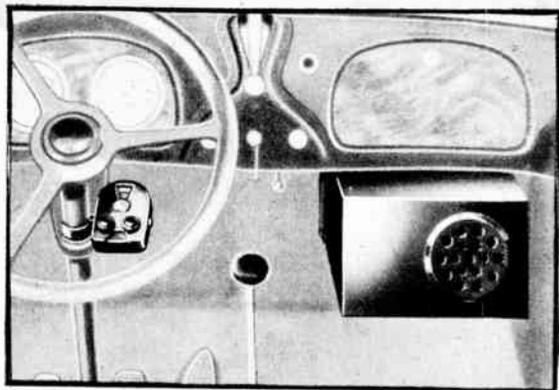
In keeping with the modern trend, Lafayette engineers have made the 5 tube chassis small and compact, but without sacrificing electrical efficiency. The metal chassis measures only 10 1/2 inches wide, 6 3/4 inches deep and 6 inches high overall, and it will therefore fit a wide variety of cabinets.

# AT LAST!

## The NEW LAFAYETTE AUTO RADIO

AN AUTO RADIO *that*  
is **EASY TO INSTALL!**

**Six Tube Superheterodyne  
with Automatic-Volume  
Control!**



**\$43<sup>50</sup>**  
**COMPLETE**



Every dealer and service man knows that the installation job is what eats up the profit in the sale of most auto radio sets. Here at last is an all-electric auto receiver that is **EASY** to install. No cutting or marring of the car, no special tools are necessary. **Can be installed in 30 minutes!** Chassis, loud speaker and "B" power unit are all in **ONE** compact unit. Convenient remote tuning from small control that clamps to steering column.

#### SPECIAL AUTO TUBES USED

The tubes used in this set are of the special 6.3 volt type, made particularly for automobile service. They continue to work at full efficiency even when the car's battery is below normal voltage. Tube combination: two 36's, one 85, one P-861, one 37, and one 89 triple grid power tube.

#### AUTOMATIC VOLUME CONTROL—NO VOLUME FLUCTUATION

Variation in volume while the car is in motion is practically eliminated by an improved method of automatic volume control. Sensitivity is better than 10 microvolts per meter, selectivity better than 10 kilocycles, assuring complete customer satisfaction.

#### SELF-CONTAINED "B" SUPPLY

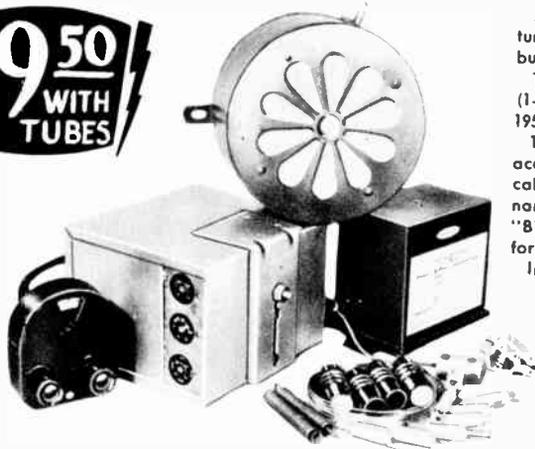
The self-contained "B" supply, operating on the car storage battery, eliminates troublesome "B" batteries and makes the Lafayette All-electric as convenient to install, operate and service as any ordinary A.C. set. Total drain on the car battery only 5/4 amperes. All necessary resistors and condensers for ignition, interference, elimination are furnished.

Model S-97—LAFAYETTE ALL-ELECTRIC AUTO RADIO. Complete with chassis, power unit, loud speaker, remote control, ignition suppressors, condensers and tubes. Overall dimensions 12 inches wide, 5 1/2 inches deep and 7 inches high. Shpg. wt. 30 lbs. Code Firth.

List, \$95.00. Your Price ..... **\$43.50**

## PREMIER 5 TUBE AUTO SET

**\$19<sup>50</sup>**  
**WITH TUBES**



A very popular low priced auto set. Substantially made with separate tuner-amplifier and dynamic speaker. Mounted under the dash, on the bulkhead, under the foot board or under front seats.

The receiver measures only 5 by 7 inches, and uses five new type tubes (1-36, 2-38's, 2-29's) in an extremely efficient T.R.F. circuit. Tuning range 195 to 550 meters.

Three shielded connected cables save much time in wiring. Complete accessories include universal mounting bracket, illuminated steering column control with lock switch and 30-inch flexible control shaft, dynamic speaker, five tubes, spark suppressors and antenna equipment. "B" batteries are not furnished, as many people will want to use some form of eliminator. Plate voltage required, 135 volts.

In ordering specify number of cylinders in car.

Model S-17760—Premier 5 Tube Auto Set, as described, with tubes, less batteries or "B" eliminator. Shpg. wt. 25 lbs. Code Gipri. List Price, \$45.00.  
Your Cost ..... **\$19.50**

Model S-17766—Premier 5 Tube Auto Set, with tubes as described, but with special auto "B" eliminator. Shpg. wt. 31 lbs. Code Conde. List Price, \$60.00.  
Your Cost ..... **\$26.50**

No Federal Tax to be Added to any of our prices.

# The LAFAYETTE AUTO RADIO UNIVERSAL

**\$29.75**  
WITH TUBES



ONLY 2 WIRES

5 AMP. DRAIN

STEEL CONSTRUCTION

LOCK SWITCH

LAFAYETTE CUSTOM BUILT

NEW TYPE TUBES

SUPER-HET CIRCUIT

AUTO. VOLUME CONTROL

DYNAMIC SPEAKER

NO DRY BATTERIES

SINGLE UNIT CONSTRUCTION

This new Lafayette UNIVERSAL Auto Radio, which obtains all necessary power from the car's storage battery, is one of the first auto sets to take full advantage of the entirely new and improved series of low drain automobile tubes. It is a masterpiece of compactness and efficiency, custom built throughout to the most rigid Lafayette specifications.

Six tuned circuits are used, with the tubes in the following arrangement:

One type 77 advanced radio frequency pentode as both first detector (mixer) and oscillator. Two type 78 advanced vari-mu tubes in the radio frequency and intermediate frequency amplifier stages. One type 85 diode-triode as both second detector and first audio frequency amplifier. One type 41 advanced power pentode in the second audio stage. One type 6Z4 high vacuum rectifier in the power unit.

Sensitivity is rated at 1/2 microvolt per meter. Selectivity is carefully adjusted by proper choice of intermediate frequency to allow at least 20 kc. separation and still enable the set to be tuned easily. Wavelength range, 200-550 meters.

### Unique Single Unit Construction

The combined unit arrangement, in which the chassis, power pack (B battery eliminator), dynamic speaker and controls are all housed in a single container of 12x5 1/2 x 6 1/4 inch size, assures maximum adaptability to all makes of automobiles. The receiver is so arranged that it may be hung on brackets from the underside of the instrument board or placed on the floor-boards alongside of the driver's seat.

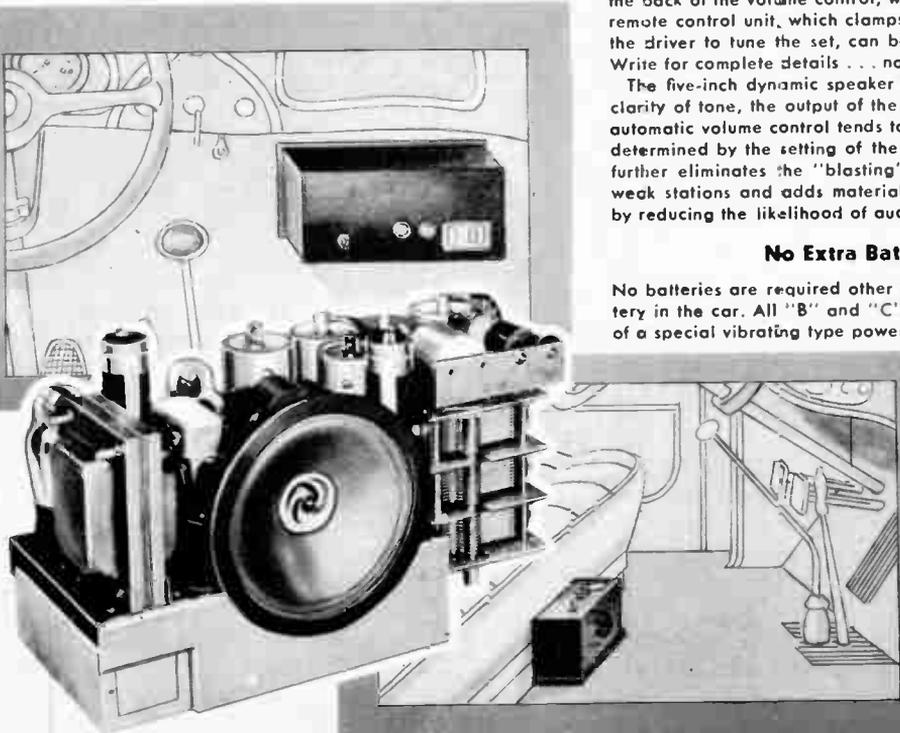
### Simple Controls

The control is very simple and includes a lighted fan dial and two knobs, one for tuning and the other for volume. The on-off switch is on the back of the volume control, with separate lock and key. A special remote control unit, which clamps to the steering column and permits the driver to tune the set, can be supplied at slight additional cost. Write for complete details . . . no obligation on your part.

The five-inch dynamic speaker gives abundant volume with perfect clarity of tone, the output of the set being one watt. The diode type automatic volume control tends to equalize all signals to a point predetermined by the setting of the manual volume control. This feature further eliminates the "blasting" effect when tuning from strong to weak stations and adds materially to the life of the output pentode by reducing the likelihood of audio overloading.

### No Extra Batteries Required

No batteries are required other than the regular six-volt storage battery in the car. All "B" and "C" batteries are eliminated by the use of a special vibrating type power unit which is an integral part of the receiver assembly. The total current drain on the battery is only 4.85 amperes!



Model L-20—Lafayette UNIVERSAL Auto Radio, complete with tubes. Dimensions: 12x5 1/2 x 6 1/4". Shpg. wt., 20 lbs. Code Barna. List \$69.50. **Your cost . . . . . \$29.95**

# Auto Radio Accessories



## Remote Control Unit

Designed for the convenience of those who have auto radio sets not yet equipped with remote control. Can be adapted to control any auto set.

Case finished in black enamel. Illuminated dial with clear-cut, sharply-defined divisions. Universal mounting. Key Lock Switch preventing set from being used unless unlocked. Micro-meter volume control. Unit is assembled in a pressed steel case; lightweight and indestructible; rust-proofed, and finished in black. Size 3 1/2 x 4 1/4". Shipping weight 2 1/2 lbs.

**N14236**—Complete with 30" flexible shaft and one coupling. **Your Cost \$2.90**  
**N14237**—Universal Coupling .15  
**N14238**—Add'l cable per ft. .36  
**N14239**—1/4" steel rod, per ft. .05

## Jensen Dynamic Auto Speaker



This Auto Speaker on performance alone is being used as Standard Equipment for a great many auto-

mobile receivers. It has been designed for and is particularly suited to operation in an automobile. Is installed in metal case with standard black finish. Provision is made in the design of the speaker to eliminate the collection of dust or dirt in the moving parts, and the entire construction is built to withstand the most severe road shock. Has adjustable lugs for installation on the dash of car and a 30" armored cable enclosing all leads. Has a 7 1/2 ohm field coil. Shipping weight 12 lbs.

**W19184** For single 38 tube.  
**W19185** For single 41 tube.  
**W19186** For single 43 tube.  
**Your Cost \$8.82**

## Wright DeCoster Auto Speaker



Anyone looking for real quality in an Automobile Speaker should hear this new model. Enclosed in a

good-looking, felt-lined metal cabinet with rich black crackle finish. This greatly decreases the chances of picking up ignition noises. Volume and tone comparable with the large size speakers; reproduction is clear and remarkably faithful. The response is uniform throughout its frequency range. Is provided with a single stud mounting, and is furnished with 4 ohm field. Shipping weight 5 lbs.

**W19178** For single 38 tube.  
**W19179** For single 41 tube.  
**W19180** For single 43 tube.

**Your Cost \$4.45**

## Oxford Dynamic Auto Speaker



This is a small compact dynamic speaker that will handle large volume without distortion. Available in two types for use with push-pull 38s or 41s. Has an attractive metal case. For 6-volt current; has 4-ohm field. Rugged construction to withstand all vibration shock and jars. Equipped with terminals without cords. Shipping weight 7 lbs.

**W19222** For push-pull 38s.  
**W19233** For push-pull 41s.

**Your Cost \$3.25**  
**Either Type**

## Centralab Auto Radio Suppressors



Centralab Suppressors are from 50% to 500% more effective than other types in eliminating motor spark noise from the radio. They resort to no camouflaging, but provide full 1 1/2" resistance. The resistance material and the ceramic jacket are baked together as one solid rod with the granite-like ceramic fully enclosing and protecting the resistance. The "Baptism of Fire" at 2,700 degrees insures great electrical and mechanical strength, so there is no need to hide a miniature resistance in an eye-appealing shell. The Centralab is a 100% suppressor—as the cross-section shows. Note the solid black line in the center extending all the way through. This is resistance material. Units are moisture-proof, rugged and able to stand mechanical shocks.

### Spark Plug Suppressor

**E5278**—List 40c  
**Your Cost 20c**

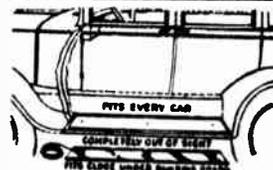
### Distributor Suppressor

**E5279**—List 40c  
**Your Cost 20c**

## Auto DX Aerial

At last a satisfactory auto aerial! More volume, clearer reception, less interference. Completely out of sight. A solid zinc plate, 40x4 1/2", rolled edges. Complete with 10 ft. rubber covered lead-in and all necessary accessories. Fits every car made. Shipping weight 5 lbs.

**R17130**  
**Your Cost \$1.10**



## Ward De Luxe Car Antenna



Closely woven copper-chrome-nickel plated wire suspended on rigid frame. More sensitive, in most cases excels roof type. Impossible to short or ground. Rubber splash guard furnished. Shipping weight 5 lbs. All necessary accessories furnished.

**R17131**—List price \$4.25 **Your Cost Each \$1.65**

## Auto Ignition Silencer Kits



To suppress the radio-frequency disturbances picked up by the automobile radio set from the ignition system of car.

Neatly packed in attractive boxes. Each set has one generator condenser in leakproof metal cylinder; one distributor resistor and a spark plug resistor for each cylinder. Each part of very best quality.

1/2 mfd. condenser on 4 cylinder kit, 1 mfd. condenser on 6 and 8 cylinder kit.

**E5280**—Four cylinder. List \$3.25 **Your Cost \$1.39**

**E5281**—Six cylinder. List \$4.50 **Your Cost \$1.85**

**E5282**—Eight cylinder. List \$5.50 **Your Cost \$2.29**

**E5282**—Eight cylinder. List \$5.50  
**Your Cost \$2.29**

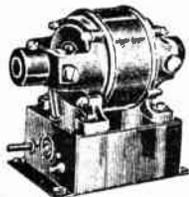


## Hercules Car Antenna

Closely woven copper mesh, covered with a black synthetic leather. It is 52" long and is mounted underneath the car. It may be suspended from any part of the chassis. Extremely sensitive. Shipping weight 4 lbs.

**R17132**—4" wide. **Your Cost \$1.85**  
**R17133**—6" wide. **Your Cost \$1.25**

## Janette Rotary Converters



These sturdy and efficient Converters permit the operation of A. C. radios, small electrical appliances, etc., from a direct current source. They are equipped with a special filter which prevents converter interference from reaching the radio. If the converter is not for use with radio and filter is not desired, deduct \$7.00 from price. The 80-watt size will operate all midget sets and small electric motors. The 110-watt size will operate radios up to 9 tubes; the 150-watt size, for larger receivers and those using '50 type power tubes and the 300-watt size will operate any ordinary public address amplifier or vacuum cleaners, washing machines, heating pads and similar apparatus.

Stock No.	Output Watts	Input Amps.	Your Cost	Stock No.	Output Watts	Input Amps.	Your Cost
<b>32 Volt D. C. to 110 Volt, 60 Cycle A. C.</b>				<b>110-115 Volts D. C. to 110 Volts, 60 Cycle A. C.</b>			
<b>Y19806</b>	80	5.4	<b>\$28.00</b>	<b>Y19807</b>	80	1.5	<b>\$28.00</b>
<b>Y19800</b>	110	6.5	<b>\$4.25</b>	<b>Y19803</b>	110	1.9	<b>\$5.00</b>
<b>Y19801</b>	150	8.5	<b>\$7.95</b>	<b>Y19804</b>	150	2.4	<b>\$8.75</b>
<b>Y19802</b>	300	15.	<b>\$1.95</b>	<b>Y19805</b>	300	4.0	<b>\$9.50</b>

## Distributor Silencer for Automobiles Radios



To eliminate pick-up from ignition coil. By connecting the Silencer to the low tension end of coil, and grounding its case to the metal of car these noises will be eliminated. Shipping weight 3 lbs.

**P14217**  
**Your Cost 85c**

## Generator Silencer

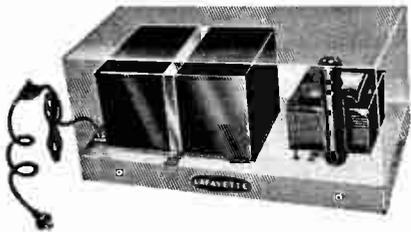


To eliminate generator interference. Ground case to generator or other metal of car.

**P14215** .5 mfd. **Your Cost Each 35c**  
**P14216**—1. mfd. **Your Cost Each 38c**

# AUTOMOBILE "B" ELIMINATORS

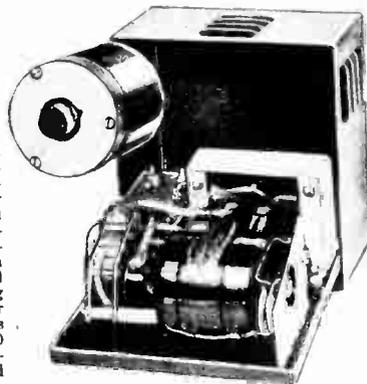
## The Lafayette Inverter



The New Lafayette Inverter is a proven engineering achievement giving 110 volts alternating current from direct current lines. It is quiet, efficient and economical. Proper operation guaranteed. No longer is it necessary to have an A.C. receiver re-made into a less efficient D.C. type. If you are located in a direct current district, simply install a Lafayette Inverter between your supply line, and the Radio Set, electrical appliance or equipment, and it will be ready to operate immediately, on the turn of the switch. Engineers admit that A.C. receivers are superior performers, due to the fact that alternating current can be stepped up to suit the requirements of proper voltages for the best performance of radio tubes; most power tubes require voltages much higher than that delivered by the regular direct current supply, in order to work properly. To select the proper type for your needs simply ascertain the direct current voltage available, then the approximate watts rating of the radio receiver or other apparatus. For your guidance a 7-tube set is rated at about 75 watts; a 9-tube - 90 watts; 10-tube - 105 watts and 12-tube - 130 watts. These Inverters in addition to the above uses, efficiently operate medium and small size Neon gas-tube signs in direct current districts. Overall size of unit, 11" long; 6 1/4" wide and 7" high. Shipping weight 20 lbs.

Stock No.	Input Voltage	Watt Rating	Your Cost	Stock No.	Input Voltage	Watt Rating	Your Cost
Y19835	110	100	\$19.50	Y19838	110	150	\$21.00
Y19836	220	100	20.50	Y19839	220	150	22.50
Y19837	32	75	19.50				

## The Lafayette Auto Converter



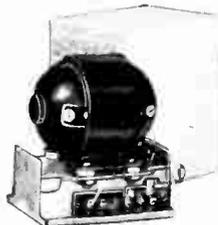
This Lafayette Unit converts the current of a 6 volt storage battery to 110 volts alternating current at 60 cycles thus permitting the operation of A. C. Radio Receivers in automobiles, boats and all other places where alternating current is not available. The Unit consists of an extremely efficient rotary converter and transformer enclosed in a ventilated case, together with a remote control unit for switching on and off. The device will operate any alternating current appliance or equipment which does not require more than 60 watts. Small A. C. motors in drink mixers and other electrical appliances may be operated from this Unit, but care should be taken not to overload it. It is fool-proof and requires no attention except oiling about once a year. Its current consumption is extremely small. The Unit is small; its size being 6 1/2 x 7 1/4 x 3 1/2", and it is compactly assembled. Can be easily installed in any car or boat. The constant unvarying voltage supplied by this Converter guarantees the maximum results in the quality reproduction, volume and tone of your radio receiver. Can be fastened to the dash board on autos; with the remote control mounted on steering wheel column. It easily pays for itself in the saving of the money spent for the frequent renewal of "B" batteries. Is vibration and shock proof. Units are factory tested and guaranteed for proper operation. Shipping weight 18 lbs.

N14227 Your Cost

**\$24.50**

## Gen-E-Motor Auto "B" Eliminator

This high efficiency Gen-e-motor replaces the "B" batteries in Automobile Radio Receivers, and in all kinds of Battery Sets. It makes the Automobile Radio Receiver all-electric, developing more volume, better tone, greater selectivity and distance, at no cost for operation. The Gen-e-motor is a combined motor and generator operating from a 6-volt storage battery. Is easily installed on any car and will operate any Automobile Radio Receiver designed for "B" eliminator. Has a proven record for successful performance under the most trying and exacting conditions. A dependable source of "B" power insuring uniform reception. Sets up no interference in radio set. Can be mounted in an exceptionally small space—4 1/2 x 6". The combined generator and motor is precision built and will last for years without attention. Uses the latest type noise filter. Will carry up to 25% overload. Is fool-proof. Shipping weight 17 lbs.



## I. C. A. Super Short Wave Converter

This device will tune wave lengths between 60 and 200 meters, police calls, amateur airplane and coast guard stations. This converter makes a superheterodyne receiver out of a T.R.F. set and can be connected to any A.C. radio. Makes use of the entire receiver and should not be confused with older type which used only the audio tubes in the receiver. Utilizes 1-27 tube which obtains its power from your Radio through adaptors furnished with each converter. Beautiful metal box with brown crackle finish and decorated brass dial, tuning knob and vernier. Shipping weight 8 lbs. List Price \$8.00 (less tube). **\$4.55**



### For 6 Volt Auto "A" Battery Supply

Stock No.	Code No.	Output Volts	Inter. M.A.	A. Batt. Tap Drain.
P14219	B-135-T	135	30	67 1/2
P14220	B-180-T	180	30	90

List \$21.00

Your Cost (either unit)

**\$12.35**

### For 32 Volt Lighting Plants

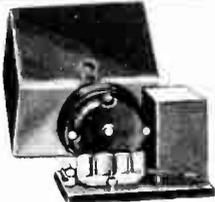
Stock No.	Code No.	Output Volts	Inter. M.A.	Tap
P14212	A-3280	180	30	90
P14213	A-3235	135	30	67 1/2

List \$21.00

Your Cost (either unit)

**\$12.35**

## Emerson "B" Power Unit

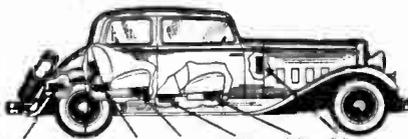


This "B" Power Unit is an efficient substitute for the "B" batteries in all Automobiles as well as in battery type sets. Eliminates "B" battery troubles and their expensive replacement costs. The Unit operates from a 6-volt "A" battery, delivers 180 volts at 40 M.A. It uses no "A" battery current except when operating provided with a 90-volt tap. For autos, police-cars, aeroplanes, motorboats, etc. Compact and self-contained easily installed eliminates "B" batteries. Consists of an efficient Dyna motor, rubber mounted, and Filter, mounted on a steel base plate. Readily installed in any car, under floor boards or in body. Overall size 7 3/4 x 4 3/8 x 6 3/8" high. Shipping weight 17 lbs.

N14222 - List price \$21.95

Your Cost

**\$13.15**



The eliminator unit is installed in the trunk of the car.

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## Mallory-Elkon Auto "B" Eliminator

The New Mallory Elkon Auto "B" Eliminator develops more than sufficient "B" Power for any and all types of Auto Receivers. Operates at a minimum current drain directly off the regular car storage battery. Your first cost is practically your last—it will outlive your car. Insures freedom from "B" battery troubles, eliminates heavy replacement expense, and makes certain perfect radio reception at all times. Is one of the most popular and largest sellers because of its quality construction. Is found in many of the principal police-car radio signal systems, and is standard factory equipment in one of this country's finest automobiles the Cadillac-16. The case is of heavy gauge metal, cadmium plated. Among its many features are, it provides an unvarying source of power insuring uniform dependable radio reception; its universal application—suitable for all popular makes of standard automobile radio sets; it is safe—cannot damage radio set. Size 7 1/4 x 6 3/8 x 2 3/8". Has no rotary parts, does not need oiling; no attention, and does not set up any interference. Is dry; is complete—nothing else to buy and is easily installed—can be placed in any position. Guaranteed in accordance with R. M. A. Standards. To summarize: 1. No tube required. Eliminates the hazard of expensive rectifying tubes. 2. Higher efficiency. 60% efficient; highest ever attained. 3. Less battery drain; 1/4 less than previous models. 4. More output power; a type for every output requirement. 5. No noise; silent in operation. 6. Smaller size; compactly built; can be installed in many places in your car. 7. Simplified construction; fewer parts; expertly designed. 8. New lower price; placing an all electric auto radio within the reach of everyone. Complete installation and general instructions are enclosed. Specify tubes used when ordering to insure receiving the proper model. Shipping weight 21 lbs.

N14223 - Mallory-Elkon Auto "B" with self-rectifying Elkonode complete with cable. List Price \$17.50. Your Cost

**\$10.29**

**Replacement Part Headquarters for Dealers and Service Men**

# New! LAFAYETTE De Luxe 6 Tube A.C. SHORT-WAVE RECEIVER

**Built-in Power Pack  
14 to 115 Meters**

**An Advanced Set for  
Amateur and Communica-  
tion Purposes**

**\$37.50  
LESS TUBES  
SPEAKER**



For amateur operators and advanced short-wave broadcast "fans" who do their short wave listening seriously, we offer an advanced receiver in the form of the new Lafayette A.C. set. This has a wave-length range of 14 to 115 meters, covered by low-loss plug-in coils in conjunction with a special split section variable condenser. For the sake of convenience, the power pack has been built into the set, which is therefore complete except for tubes and loud speaker.

#### TRF-REGENERATIVE CIRCUIT

The circuit comprises a high gain tuned radio frequency stage using a type 58 tube, working into a regenerative detector using another 58. This is followed by a 56 voltage amplifier and a final output stage using two type 59's in push-pull. Type 80 rectifier. This combination is universally acknowledged to be an extremely sensitive and smooth working one, developed to a high degree of efficiency by Lafayette engineers.

Single dial tuning with antenna trimmer. Velvet action regeneration control. Each stage is individually shielded, eliminating all feed back troubles common to high gain S.W. receivers. Power pack in separate compartment, assuring complete freedom from hum. Works dynamic speaker at full volume; jack for earphones provided.

We have engineered and built this receiver of the finest quality materials possible, only the highest grade of workmanship has been used in its construction. We are pleased to offer this complete receiver, with power pack incorporated, to the amateur operator

and short-wave fan at a price that he would expect to pay for the receiver chassis alone. No expense has been spared to make this receiver the outstanding short-wave set of the year. Signals are clear and crisp, more volume than one would require on a dynamic speaker.

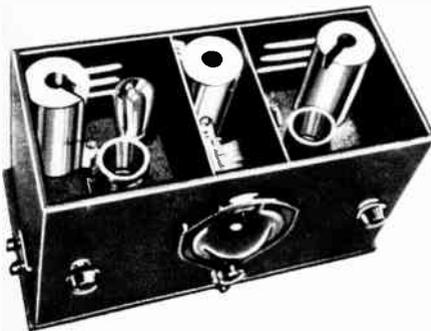
#### METAL CABINET

Strong steel cabinet measures 12½ inches long, 12 inches deep, 8¾ inches high. Has hinged top for easy insertion of coils and tubes. Adequately ventilated. An extremely well designed and ruggedly built receiver, attractively finished in black crystalline mark-proof finish.

**Model M-10—Lafayette 6-Tube A.C. Short Wave Receiver, complete with plug-in coils and drum dial, less tubes and loud speaker. For 105-120 volts, 50-60 cycles A.C. Dimensions: 12½x12x8¾ inches. Shpg. wt. 44 lbs. Code Fleur. List \$90.00.  
Your Cost.....**\$37.50****

**Model M-11, complete with tubes, \$42.90**

## LAFAYETTE ... BATTERY TYPE ... SHORT-WAVE RECEIVER



**\$27.50  
LESS TUBES  
SPEAKER**

Lafayette engineers have not overlooked the many amateurs and short-wave broadcast enthusiasts who live in unwired districts. They have designed a special battery model set that has all the circuit features of the six-tube A.C. model with the economy and conveniences of battery operation.

#### BATTERY PENTODES USED

The battery model uses four tubes: a type 34 R.F. pentode as the tuned radio frequency amplifier, a type 32 as regenerative detector, a type 32 as screen grid voltage amplifier, and a type 33 audio output pentode. In overall sensitivity this set is practically the equal of the A.C. model, having slightly lower audio output only because of the limitations of battery supply. Wave range, 14-115 meters with plug-in coils.

#### WORKS ON AIRCELL BATTERY

The new Lafayette 4-tube receiver works on a two-volt AirCell for filament current and 135 volts of "B" battery. A long cable for battery connections is supplied. All steel case, neatly finished in black crystalline, has hinged top. Measures 12½ inches wide, 6 inches deep, 8¾ inches high. Suitable for automobile use because of its strong construction.

**Model 17—Lafayette 6-Tube S.W. Set only for 110 volt D.C. (Direct Current). Code Harbo.**

**Your Cost.....\$37.50**

**Model 18—Same as above for 220 volt D.C. (Direct Current). Code Tusa.**

**Your Cost.....\$39.50**

All Lafayette S.W. Sets can be supplied in kit form.

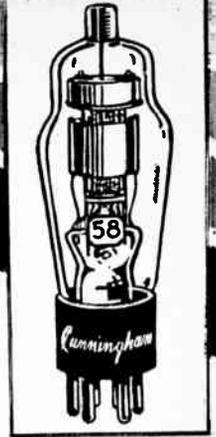
Price on application.

**Model M-15—Lafayette 4-Tube Battery Type Short Wave Receiver, complete with plug-in coils and drum dial, less tubes, batteries and loud speaker. Dimensions: 12½x6x8¾ inches. Shpg. wt. 19 lbs. Code Minet. List \$70.00. Your Cost.....**\$27.50****

**Model M-16—SW Battery Set, complete with tubes, \$51.50**



# RCA Cunningham TUBES



- SUPERSENSITIVE DETECTOR**  
00A List \$4.00 **\$2.35**  
Your Cost
- DETECTOR AMPLIFIER**  
01A List 80c **47c**  
Your Cost
- POWER AMP. OSCILLATOR**  
10 List \$5.00 **\$2.94**  
Your Cost
- AMPLIFIER DETECTOR**  
12A List \$1.30 **76c**  
Your Cost
- SCREEN GRID D. C. AMP.**  
22 List \$2.00 **\$1.18**  
Your Cost
- SCREEN GRID A. C. AMP.**  
24A List \$1.40 **82c**  
Your Cost
- VOLTAGE DOUBLER RECTIFIER**  
25Z-5 List \$2.00 **\$1.18**  
Your Cost
- GEN. PURPOSE A. C. AMP.**  
26 List 85c **50c**  
Your Cost
- A. C. AMPLIFIER DETECTOR**  
27 List \$1.05 **62c**  
Your Cost
- DETECTOR AMPLIFIER**  
2 VOLTS  
30 List \$1.30 **76c**  
Your Cost
- POWER AMPLIFIER, 2 VOLT.**  
31 List \$1.30 **76c**  
Your Cost
- S-G AMPLIFIER, 2 VOLTS**  
32 List \$1.90 **\$1.12**  
Your Cost
- PENTODE, 2 VOLTS, D. C.**  
33 List \$2.10 **\$1.24**  
Your Cost
- SUPER-CONTROL**  
RF. AMP. PENTODE  
34 List \$2.15 **1.26**  
Your Cost
- SUPER-CONTROL**  
SCREEN GRID  
35 List \$1.50 **88c**  
Your Cost
- SCREEN-GRID, 6.3 V.**  
36 List \$1.80 **\$1.06**  
Your Cost

### GUARANTEED FOR 6 MONTHS

Radiotrons and Cunningham Tubes are the standard of excellence the world over and we back them up with as broad a guarantee as has ever been placed on a Radio Tube. We guarantee that they will give efficient service for six months and should any tubes purchased from us fail to do so we will replace them cheerfully and promptly—without quibbling or red tape. Burnouts and broken glass are the only exceptions. We enjoy the biggest Tube business in the country, which insures you of receiving fresh, perfect merchandise with every order. When ordering, specify make of tube required, otherwise order will be filled with either RCA or Cunningham.

- DET-AMP. 6.3 V.**  
37 List \$1.40 **83c**  
Your Cost
- HEATER PENTODE, 6.3 V.**  
38 List \$1.60 **94c**  
Your Cost
- NEW R.F. PENTODE 6.3 V.**  
39 List \$1.80 **\$1.06**  
Your Cost
- POWER PENTODE OUTPUT**  
41 List \$1.60 **94c**  
Your Cost
- POWER PENTODE, 6 VOLT**  
42 List \$1.60 **94c**  
Your Cost
- POWER PENTODE**  
25 VOLT D.C.  
43 List \$2.50 **\$1.47**  
Your Cost
- POWER AMPLIFIER**  
45 List \$1.15 **68c**  
Your Cost
- POWER AMPLIFIER**  
46 List \$1.55 **91c**  
Your Cost
- POWER PENTODE**  
47 List \$1.50 **88c**  
Your Cost
- POWER PENTODE 30 VOLT D.C.**  
48 List \$3.00 **\$1.76**  
Your Cost
- POWER AMPLIFIER**  
50 List \$4.00 **\$2.35**  
Your Cost

- DUPLEX DIODE-TRIODE**  
55 List \$1.60 **94c**  
Your Cost
- DETECTOR OSC. AMPLIFIER**  
56 List \$1.20 **71c**  
Your Cost
- TRIPLE-GRID**  
AMP-DETECTOR  
57 List \$1.65 **97c**  
Your Cost
- 6 ELEMENT AMPLIFIER**  
58 List \$1.65 **97c**  
Your Cost
- TRIPLE-GRID PENTODE**  
POWER AMPLIFIER  
59 List \$2.00 **\$1.18**  
Your Cost
- POWER AMPLIFIER, 5 VOLTS**  
71A List 95c **56c**  
Your Cost
- TWIN AMPLIFIER**  
79 List \$2.60 **\$1.54**  
Your Cost
- FULL-WAVE RECTIFIER**  
80 List 90c **53c**  
Your Cost
- HALF-WAVE RECTIFIER**  
81 List \$3.50 **\$2.06**  
Your Cost
- F. W. M. V. RECTIFIER 2.5 V**  
82 List \$1.20 **71c**  
Your Cost

- F-W. M-V RECTIFIER 5 V.**  
83 List \$1.55 **91c**  
Your Cost
- DUPLEX DIODE-TRIODE FOR**  
STORAGE BATTERY  
OPERATION  
85 List \$1.60 **94c**  
Your Cost
- TRIPLE-GRID POWER AMP.**  
STORAGE BATTERY OPERATION  
89 List \$1.80 **\$1.06**  
Your Cost
- POWER AMPLIFIER 3.3 VOLTS**  
120 List \$3.00 **\$1.76**  
Your Cost
- DETECTOR AMP. 3.3 VOLTS**  
V199 List \$2.25 **\$1.32**  
Your Cost
- DETECTOR AMP. 3.3 VOLTS**  
X199 List \$1.50 **88c**  
Your Cost
- 3 ELECTRODE HI-MU VOLT-**  
AGE AMPLIFIER, 7.5 VOLT  
FILAMENT  
841 List \$10.40 **\$7.65**  
Your Cost
- Same appearance and filament characteristics as 10 but has low amplification factor. For use as a.f. amplifier and modulator.
- 842 List \$10.40 **\$7.65**  
Your Cost
- 3 ELECTRODE 1.1 VOLT FILA.**  
864 List \$2.10 **\$1.45**  
Your Cost
- HALF-WAVE MERCURY**  
VAPOR RECTIFIER  
866 List \$6.75 **\$5.63**  
Your Cost
- GAS TYPE PHOTOTUBE**  
868 List \$7.50 **\$5.52**  
Your Cost
- VOLTAGE REGULATOR**  
874 List \$4.90 **\$2.88**  
Your Cost
- BALLAST TUBE**  
876 List \$6.70 **\$3.94**  
Your Cost
- VOLTAGE REGULATOR TUBE**  
886 List \$6.75 **\$3.97**  
Your Cost

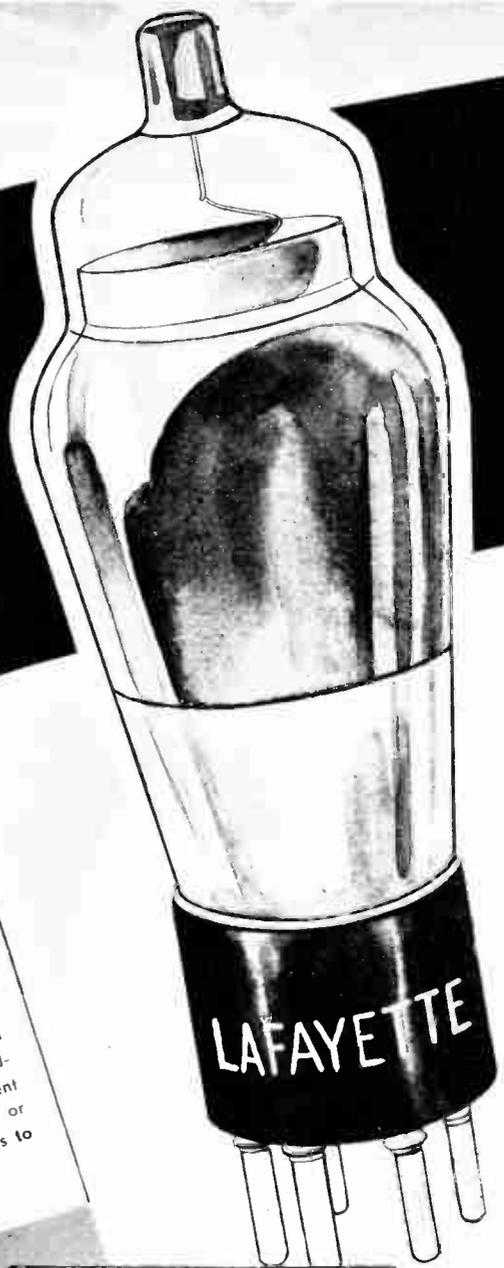
Because of the unsettled tube situation, prices are subject to change. In line with our policy of selling at the lowest prices, we will pass on to you any savings in cost made by tube manufacturers after this catalog appears.

*Only* WHOLESALE *Offers*  
**6 MONTHS**  
ON  
**TUBES!**

Tubes are the biggest single item in radio. Our tube department is the largest in the country. Here's why the majority of servicemen buy tubes of Wholesale!

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

Second, we make this guarantee possible by testing every tube before it is shipped out. We maintain an elaborate testing laboratory, equipped with every modern testing device available. Our laboratory equipment is so highly sensitive that it reveals the slightest flaw or imperfection as the tubes are being tested. It pays to buy from Wholesale Radio Service!

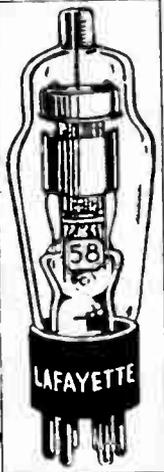


**SECTION OF TUBE LABORATORY**

View of part of Wholesale Radio's tube laboratory, where all tubes are tested before being shipped to customers. A force of radio men are constantly employed at this task.

# LAFAYETTE

## Scientific Radio TUBES



### LAFAYETTE PRECISION TUBES

Lafayette Radio Tubes are offered to meet the demands and exacting needs of a vast number of Dealers and Service Men who wish to increase their margin of profit from tube sales without jeopardizing the good-will of their customers.

#### STRICTLY FIRST QUALITY TUBES

Do not confuse Lafayette Tubes with other low price tubes! A big majority of these selling in their price range are "seconds"—tubes which have been rejected because they do not measure up to the manufacturer's specifications. Lafayettes are "FIRSTS"—GUARANTEED PERFECT AND OF UNIFORM QUALITY!

#### PRECISION MADE

Lafayette Tubes are the perfect product of coordinated efforts of engineers and craftsmen, and of the most modern automatic tube making machinery. The same care which is used in the selection of parts is also exercised in every step of all manufacturing

processes: from the blowing of the "flame" to the final inspection.

#### THOROUGHLY SEASONED

After manufacturing processes have been completed, each Lafayette Tube is once more examined for short and open circuits and placed on a rack where voltages are applied to the electrodes for some time. This step "seasons" the tube and stabilizes its characteristics. After "seasoning" it is again tested for emission, A.C. output, gas and leakage. In these tests extremely accurate instruments are used.

#### WHY THEY ARE LOWER IN PRICE

Lafayette Tubes cost as much to manufacture as other standard tubes. They are lower in price because our distribution costs are lower than those who must conduct tremendously expensive advertising campaigns in order to distribute their products. We sell direct to you and eliminate the costly advertising expense you and the consumer must pay when you buy other tubes.

Lafayette Tubes are Guaranteed for Six Months! (Breakage and Burnouts alone are excepted)

<b>KR-1</b> List \$2.60 Your Cost <b>\$1.17</b>	<b>230</b> List \$1.30 Your Cost <b>65c</b>	<b>243</b> List \$2.50 Your Cost <b>\$1.12</b>	<b>275</b> List \$2.80 Your Cost <b>\$1.40</b>
<b>25Z5</b> List \$2.00 Your Cost <b>90c</b>	<b>231</b> List \$1.30 Your Cost <b>65c</b>	<b>245</b> List \$1.15 Your Cost <b>52c</b>	<b>277</b> List \$1.65 Your Cost <b>82c</b>
<b>112A</b> List \$1.30 Your Cost <b>65c</b>	<b>232</b> List \$1.90 Your Cost <b>95c</b>	<b>246</b> List \$1.55 Your Cost <b>70c</b>	<b>278</b> List \$1.65 Your Cost <b>82c</b>
<b>171A</b> List 95c Your Cost <b>43c</b>	<b>233</b> List \$2.10 Your Cost <b>\$1.05</b>	<b>247</b> List \$1.50 Your Cost <b>68c</b>	<b>279</b> List \$2.60 Your Cost <b>\$1.30</b>
<b>199V</b> List \$2.25 Your Cost <b>\$1.12</b>	<b>234</b> List \$2.15 Your Cost <b>\$1.05</b>	<b>248</b> List \$3.00 Your Cost <b>\$1.35</b>	<b>280</b> List 90c Your Cost <b>40c</b>
<b>199X</b> List \$1.50 Your Cost <b>75c</b>	<b>235</b> List \$1.50 Your Cost <b>68c</b>	<b>250</b> List \$4.00 Your Cost <b>\$1.98</b>	<b>281</b> List \$3.50 Your Cost <b>\$1.75</b>
<b>101A</b> List 80c Your Cost <b>40c</b>	<b>236</b> List \$1.80 Your Cost <b>81c</b>	<b>251</b> List \$1.50 Your Cost <b>68c</b>	<b>282</b> List \$1.20 Your Cost <b>54c</b>
<b>210</b> List \$5.00 Your Cost <b>\$2.40</b>	<b>237</b> List \$1.40 Your Cost <b>63c</b>	<b>255</b> List \$1.60 Your Cost <b>72c</b>	<b>283</b> List \$2.10 Your Cost <b>95c</b>
<b>222</b> List \$2.00 Your Cost <b>98c</b>	<b>238</b> List \$1.60 Your Cost <b>72c</b>	<b>256</b> List \$1.20 Your Cost <b>54c</b>	<b>285</b> List \$1.60 Your Cost <b>80c</b>
<b>224A</b> List \$1.40 Your Cost <b>63c</b>	<b>239</b> List \$1.80 Your Cost <b>81c</b>	<b>257</b> List \$1.65 Your Cost <b>74c</b>	<b>295</b> List \$2.80 Your Cost <b>\$1.26</b>
<b>226</b> List 85c Your Cost <b>42c</b>	<b>241</b> List \$1.60 Your Cost <b>72c</b>	<b>258</b> List \$1.65 Your Cost <b>74c</b>	<b>296</b> List \$2.70 Your Cost <b>\$1.22</b>
<b>227</b> List \$1.05 Your Cost <b>47c</b>	<b>242</b> List \$1.60 Your Cost <b>72c</b>	<b>259</b> List \$2.00 Your Cost <b>90c</b>	<b>298</b> List \$2.50 Your Cost <b>\$1.26</b>



# ARCTURUS TUBES

# The NEW Sylvania ADAPTER FREE!



Arcturus Blue Tubes offer you exclusive advantages that have gained wide consumer acceptance. Long Life—Arcturus Tubes have established an unchallenged world's record for long life. Life Like Tone—Comparison in any Radio Receiver shows the improved tone of Arcturus Tubes. Immunity to Overloads—Tubes resist overloads as high as 50%. Less Hum—Comparative tests show that Arcturus Tubes have 52% less hum than other tubes. Blue Tubes—This distinctive color assures dealers of repeat business on Blue Tubes. Guarantee—Tubes are guaranteed to give efficient service for six months; should any tubes purchased from us fail to do so—we will cheerfully and promptly replace them; breakage and burn-outs excepted.

## With Every Order For Seventy-Five ASSORTED SYLVANIA TUBES

We GIVE you FREE, an Adapter that fully meets the requirements of those dealers having tube testers purchased prior to the introduction of the new tubes. This adapter permits the utilization of the old testers for testing new type tubes and at the same time provides an accessory that will harmonize in appearance with the original equipment.

Type	Description	List Price	Your Cost
01A	Amplifier and Detector	\$0.80	\$0.42
10	Pwr. Amp. and Oscillator	5.00	2.65
12A	Amp.	1.30	.67
24	A.C. Screen-Grid Amp.	1.40	.70
27	A.C. Amp. and Detector	1.05	.56
31	Dry Cell Pwr. Amp.	1.30	.67
33	Dry Cell Pwr. Pentode	2.10	1.12
34	Vari-Mu R.F. Pentode	2.15	1.15
36A	Automobile Tetrade	1.80	.96
37A	Automobile Triode	1.40	.75
38A	Automobile Pentode	1.60	.84
39A	R.F. Pentode	1.80	.96
41	6.3 V. Pwr. Pentode Amp.	1.60	.84
42	6.3 V. Pwr. Pentode Amp.	1.60	.84
44	6.3 V. R.F. Var.-Mu Pent. Amp.	2.85	1.51
45	Pwr. Amp.	1.15	.61
46	2.5 V. Class "B" Pwr. Amp.	1.55	.81
47	7.5 V. Pwr. Amp.	4.00	2.12
51	(Same as 35) Super Control Tetrade	1.65	.87
56	A.C. Amp. and Detector	1.20	.64
57	R.F. Pentode	1.65	.87
58	R. F. Pentode (Vari-Mu)	1.65	.87
71A	Last Audio Stage Pwr. Amp.	.95	.50
80	Full Wave Rectifier	.90	.48
81	Half Wave Rectifier	3.50	1.85
82	Full Wave M-V Rectifier	1.20	.64
99v	Dry Cell Amp. and Detector	2.25	1.20
99x	Dry Cell Amp. and Detector	1.50	.79
	A. F. Rectifier, Fused (Replace 82)	1.80	.95
	A.G. Rectifier, Fused (Replace 83)	2.05	1.09
	G.A. 5.0 V. Power Pentode	2.75	1.46
	P.Z. Pwr. Pentode 2.5 V.	1.55	.85
	P.Z.H. 2.5 Pwr. Pentode	2.75	1.46

### WUNDERLICH TYPES

Type	Description	List Price	Your Cost
A	2.5 V. 5 Prong	\$3.00	\$1.76
B	2.5 V. 6 Prong	3.00	1.76
BB	6.3 V. 6 Prong	3.00	1.76
AA	6.3 V. 5 Prong	3.00	1.76

### 15 VOLT TYPES

Type	Description	List Price	Your Cost
22	S. G. R. F. Amp.	\$7.50	\$3.97
26	Detector	4.00	2.12
28	Amplifier	3.00	1.59
30	Power Amp.	3.00	1.59
32	Hi. Mu. Amp.	3.00	1.59
40	Amplifier	3.00	1.59
48	Amplifier	3.00	1.59

Type	Description	SYLVANIA Price	Your Cost
00A	Detector	\$4.00	\$2.12
01A	Amplifier and Detector	0.80	0.42
10	Pwr. Amp. and Oscillator	5.00	2.65
12A	Amplifier	1.30	.67
15	Detector and Oscillator	2.85	1.51
19	Pwr. Amp.	2.85	1.51
20	Dry Cell Pwr. Amp.	3.00	1.59
22	Screen-Grid Amp.	2.00	1.06
24	A.C. Screen-Grid Amp.	1.40	.70
25Z5	Rectifier Daubler	2.00	1.06
26	A.C. Amp.	.85	.45
27	A.C. Amp. and Detector	1.05	.56
29	2.5 V. Double Grid Detector	3.65	1.95
30	Dry Cell Amp. and Detector	1.30	.67
31	Dry Cell Pwr. Amp.	1.30	.67
32	Dry Cell S-G Amp.	1.90	1.00
33	Dry Cell Pwr. Pentode	2.10	1.12
34	Vari-Mu R.F. Pentode	2.15	1.15
35	Super Control Tetrade	1.50	.79
36	Automobile Tetrade	1.80	.96
37	Automobile Triode	1.40	.75
38	Automobile Pentode	1.60	.84
39	R.F. Pentode	1.80	.96
40	High-Mu Amp.	2.00	1.06
41	Cathode Type Pwr. Pentode	1.60	.84
42	Cathode Type Pwr. Pentode	1.60	.84
43	Pentode for D.C. Line Svc	2.50	1.32
44	Super-Control R.F. Pentode	2.85	1.51
45	Pwr. Amp.	1.15	.61
46	Pwr. Amp.	1.55	.82
47	Pwr. Pentode	1.50	.79
47	Pwr. Amp.	2.80	1.48
50	Pwr. Amp.	4.00	2.12
51	Vari-Mu Mu Tetrade	1.65	.87
55	Duplex Diode-Triode	1.60	.85
56	A.C. Amp. and Detector	1.20	.64
57	R.F. Pentode	1.65	.87
58	R.F. Pentode Vari-Mu	1.65	.87
59	Pwr. Amp.	2.00	1.06
69	6.3 V. Double Grid Detector	3.65	1.95
71A	Last Audio Stage Pwr. Amp.	.95	.50
79	Pwr. Amp.	2.60	1.39
80	Full Wave Rectifier	.90	.48
81	Half Wave Rectifier	3.50	1.85
82	Full Wave M-V Rectifier	1.20	.64
83	Full Wave M-V Rectifier	1.55	.82
85	Duplex Diode-Triode	1.60	.85
89	Triple Grid Pwr. Amp.	1.80	.95
V-99	Dry Cell Amp. and Detector	2.25	1.20
X-99	Dry Cell Amp. and Detector	1.50	.79
864	Det. Amp.	2.10	1.11
866	Half Wave Mercury Rectifier	6.75	3.57

### SPARTON

Type	Description	List Price	Your Cost
182B	5 V. Pwr. Amp.	\$2.35	\$1.25
185	5 V. Pwr. Amp.	2.10	1.11
485	3 V. Det. & Amp.	1.85	.90

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# Last Minute Specials

QUANTITY LIMITED



## Silver-Marshall Power and Audio Transformers

### No. 360 Power Transformer for 7 Tube Receivers

Ideal for general replacement purposes. Furnishes sufficient voltage for receivers up to 7 tubes. The following are the electrical characteristics; 2.5 volts at 12 amps., 5 volts at 2 amps. 350/350 high voltage at 70 M. A. electrostatic shield. Fully shielded. Soldering lug terminals at bottom. Size  $4\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{2}$ " high. Shipping weight 10 lbs.



C2403—  
Your Cost.....**\$3.15**

### 347 Power Transformer for Model 724 AC. 10 Tube Receivers

Genuine replacement Power Transformer for Silver Marshall Model 724 A. C. sufficient voltage for 10 tube receivers. Has the following windings: 2.5 volts at 12 amps. 2.5 volts at 3 amps. C. T., 5 volts at 2 amps. 375/375 high voltage at 100 M. A. Size  $5\frac{1}{2} \times 4 \times 4\frac{1}{2}$ " high. Fully shielded. For 110-120 volts, 25-60 cycle. Shipping weight 14 lbs.

C2404—  
Your Cost.....**\$3.25**

### No. 346 Power Transformer for 10 Tube Receivers

Ideal replacement for other sets than Silver Marshall. Will supply filament and plate voltages up to 8 tubes; has the following windings: 2.5 volts at 14 amps. C. T., 5 volts at 2 amps 375/375 high voltage at 100 M. A. 110-120 volts 60 cycle. Size  $4\frac{1}{2} \times 5\frac{1}{2} \times 4\frac{1}{2}$ ". Shipping weight 14 lbs.

C2405—  
Your Cost Special.....**\$3.50**

### Power Amplifier Transformer

For 2-81s, 1-50, 1-24 Tubes Silver Marshall No. 10120, supplies filament and plate voltages for the above tubes. Make the ideal Power Transformer for all types of public address systems. 1144 volts at 70 M. A.,  $7\frac{1}{2}$  volts, 2.5 amps.,  $7\frac{1}{2}$  volts at 1.25 amps., 2 $\frac{1}{2}$  volts at 1 $\frac{1}{2}$  amps. Electrostatic shield. Size  $5\frac{1}{2} \times 4\frac{1}{2} \times 3\frac{1}{2}$ ". Upright or inverted mounting. Shipping weight 13 lbs.

C2406—  
Your Cost.....**\$3.70**

### Heavy Duty Power Transformers for 8 Tube Receivers Flush Mounting Type

Extra Heavy Duty Power Transformers for general replacement in 8 tube sets. The electrical characteristics are as follows: 2 $\frac{1}{2}$  volts at 14 amps., 5 volts at 2 amps., 375/375 volts, high voltage at 80 M. A. for 110-120 volts, 50-60 cycle. Size  $3\frac{1}{2} \times 4\frac{1}{2} \times 3\frac{1}{2}$ ". Mounting centers,  $3\frac{3}{4} \times 3\frac{3}{4}$ ". Shipping weight 12 lbs.

C2407—  
Your Cost.....**\$3.50**

Same windings as above, except for 25 to 60 cycle operation. Size  $3\frac{3}{4}$ " high. Shipping weight 15 lbs.

C2408—  
Your Cost.....**\$3.65**

### General Replacement Power Transformer 336U

Here is a General Replacement Transformer that will exactly fit over 100 receivers. Any combination of the following tubes: 1.5 filament for 226 tubes, 2.5 filament for 224, 227, 235 tubes; 2.5 filament for 245 or 247 tubes; 5 volts for 280 tube. High voltage 350/350 at 75 M. A. Primary 110-115 volts, 50-60 cycle. Shipping weight 7 lbs.

C2422—  
Your Cost.....**\$1.40**

### Output Transformer Unshielded No. 241

Unshielded Output Transformer, single, 71, 45 or 50, to a magnetic speaker. Heavy duty type. Upright mounting. Soldering lug terminals at top. Size  $2\frac{1}{2} \times 2\frac{1}{4} \times 3\frac{1}{4}$ " high. Shipping weight 4 lbs.

C2410—  
Your Cost Special.....**75c**

### Second Stage Audio No. 256

For use between Standard First and Second Stage. Ratio 3.5 to 1. Size  $2\frac{3}{4} \times 2\frac{1}{4} \times 2\frac{1}{2}$ " high. Shipping weight 3 lbs.

C2411—  
Your Cost.....**75c**

### Output Transformer No. 222

For use between a single Power Tube and a Magnetic Loudspeaker. Ratio 1 to 1. Complete shielded in a heavy metal container  $4 \times 3\frac{1}{2} \times 3\frac{1}{4}$ ". Equipped with four phone tip jacks for connections. Shipping weight 6 lbs.

C2414—  
Your Cost Special.....**75c**

### Input Transformer No. 257

A push-pull Input Transformer designed to operate between one plate and two grids. Open mounted with terminal strip. Shipping weight 2 lbs.

C2415—  
Your Cost.....**70c**

### Output Transformer No. 10121 Unshielded

A Transformer designed to couple one 45- or 50-type tube to 15-, 30- or 60-ohm loads by means of a four tapped secondary. Size  $3\frac{1}{2} \times 3\frac{1}{2} \times 2\frac{1}{2}$ ". Shipping weight 4 lbs.

C2417—  
Your Cost.....**80c**

### Audio Transformer No. 220

Provides substantially straight-line amplification from 30 to 5000 cycles. After 5000 cycles the amplification falls off rapidly to discriminate against static, regenerative squeals and noise level beyond the musical range. Turn ratio 3 to 1. Shipping weight 6 lbs.



C2409—List \$4.90  
Your Cost, Special.....**70c**

### Audio and Phono Coupling Transformer No. 225R

Consists of a high impedance primary and the secondary is tapped to connect a magnetic pick-up. Black enamel case.  $2\frac{1}{2} \times 2\frac{1}{2} \times 3\frac{1}{2}$ " high. Shipping weight 3 lbs.

C2412—  
Your Cost.....**80c**

### First Stage Audio No. 225

Designed for use between any Standard Detector and First Audio Tube. Flat amplification curve up to 5000 cycles. Ratio 4.3 to 1. Shipping weight 3 lbs.

C2413—List \$4.80  
Your Cost, Special.....**78c**

### Audio Coupling Trans- former No. 272

A split choke type used for Coupling a 224 Detector into two 245 tubes in P. P. It is divided into two equal halves of approximately 250 henries per half. Used in 724AC and 724DC superhets. Open type. Size  $2\frac{1}{2} \times 2\frac{1}{4} \times 2\frac{1}{2}$ " high. Shipping weight 2 lbs.

C2416—  
Your Cost, Special.....**75c**

### Filter Chokes

We have listed below a selection of filter chokes that can be used in filter circuits of power packs, sets and also as output chokes, for single or push-pull tubes.



Thordarson Tapped Choke, rated at 20 Henry, 60 M. A. 640 ohms, tapped at 350 ohms. Size  $2\frac{1}{4} \times 2 \times 2\frac{1}{2}$ ". Shipping weight 2 lbs.

C2424—  
Your Cost.....**70c**

Jefferson Choke, 20 Henry, 60 M. A. 140 ohms. D. C. resistance. Same size as above. Shipping wt. 3 lbs. C2425—  
Your Cost.....**70c**

### Low Resistance Choke 10 Henry—50 MA.

Here is a fine quality Choke, midjet in size, rated at 10 H., 50 M. A. Only 80 ohms. D. C. resistance. Size  $2\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ". Shipping weight 2 lbs.

C2426—  
Your Cost.....**39c**

### Thordarson Audio Trans- formers and Filter Chokes

Genuine Thordarson Products. The audio Transformer is a very husky job, ratio 4 to 1, primary 1100 ohms. D. C. resistance, secondary 10,000 ohms. D. C. resistance. Unshielded, has mounting brackets. Size  $3\frac{1}{4} \times 2\frac{1}{2} \times 2\frac{1}{2}$ ". Mounting centers,  $1\frac{1}{2} \times 2\frac{1}{2}$ ". Shipping weight 3 lbs.



C2400—  
Your Cost.....**69c**

### 30 Henry—75 MA. Filter Choke

For Power Amplifiers using either P. P. 245 or 247 tubes. Unshielded, has mounting brackets. 30 Henry, 75 M. A., D. C. resistance 350 ohms. Size  $3\frac{1}{4} \times 2\frac{1}{2} \times 2\frac{1}{2}$ ". Mounting centers,  $1\frac{1}{2} \times 2\frac{1}{2}$ ". Shipping weight 3 lbs.

C2401—  
Your Cost.....**69c**

### Thordarson P.-P. Output

The genuine Thordarson Push-pull output transformer used to couple a single output stage of '71, '45, '50 type tubes or in push-pull, as primary matches the impedance of these tubes. Can be used on all types of dynamic speaker voice coils. Replaces that burned-out transformer on your speaker. Size  $2\frac{1}{2} \times 3 \times 2\frac{1}{4}$ ". Shipping weight 2 lbs.



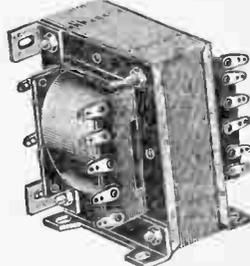
C2423—  
Your Cost.....**75c**

### 30 Henry—100 MA. Filter Choke

For all high power amplifiers, using 247 or 250 type tubes. One of the finest Filter Chokes that has ever been offered at this price. Extremely low D. C. resistance of 350 ohms. Unshielded, open mounting with brackets. Size  $3\frac{1}{4} \times 2\frac{1}{2} \times 2\frac{1}{2}$ ". Mounting centers,  $2 \times 2$ ". Shipping weight 4 lbs.

C2402—  
Your Cost.....**95c**

### Loftin-White Amplifier Power Transformer



Designed for Loftin-White Power Amplifiers. Supplies filament and plate voltage for 227, 224, 245 and 280 tubes. Can also be used as a replacement in receivers. Size  $4\frac{3}{4} \times 4 \times 4\frac{1}{2}$ " high. Primary 110-120 volt, 50-60 cycle. 900 volts, 40 M. A., 5 volts, 2 amps., 2 $\frac{1}{2}$  volts, 5.5 amps. C. T. 2 $\frac{1}{2}$  volts at 3.5 amps. Shipping weight 9 lbs.

C2427—  
Your Cost.....**\$2.75**

**RCA** Automatic Remote Control  
VICTOR See Page 41 **\$12.50**

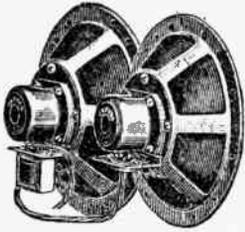


# BARGAINS!

QUANTITY LIMITED



## Oxford Dynamic Speakers New Twin Speakers



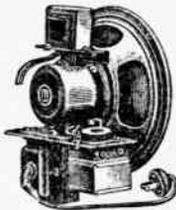
The use of two Electro-Dynamic Speakers with matched and balanced tone ranges is one of the most popular methods in use at the present time. One gives unusually faithful reproduction of the extreme low notes, while the other responds to the brilliant high overtones. The entire reproduction is compensated over the entire musical range, giving vastly improved fidelity. Speakers furnished with 2500 ohm field and output transformer for push-pull 45s and 47s. Shipping weight 12 lbs.

**6" Twins**  
W19155—P-P 45s  
W19159—P-P 47s  
Cost Per Pair  
Either Type..... **\$4.75**

**8" Twins**  
W19160—P-P 45s  
W19161—P-P 47s  
Cost Per Pair  
Either Type..... **\$5.50**

## Oxford A.C. Dynamic Speakers

This A. C. Dynamic Speaker is one of the finest of this make, for use on 110 volt 60 cycle A. C. Designed for use in radio receivers, amplifiers, etc. Faithful reproduction, and built to handle tremendous volume without distortion. Uses type '80 rectifier. Has hum bucking coil which removes the usual A. C. hum from the reproduction. Equipped with output transformer for push-pull 46s and 47s. Shipping weight 15 lbs.



**8 1/2" Model**  
W19162—For P-P 47s  
W19163—For P-P 46s  
Your Cost  
Either Type..... **\$5.85**

**11 1/2" Model**  
W19164—For P-P 47s  
W19165—For P-P 46s  
Your Cost  
Either Type..... **\$6.65**

## Special Dynamic Speakers



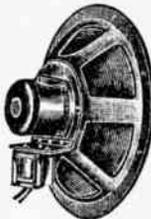
This is an unequalled speaker value. A special Midget Model 6" in diameter, for use in all types of Midget Receivers. It has a remarkable tone with plenty of volume. Equipped with output transformer for single 45 or 47. Well made of new high grade materials. Supplied with 2500 ohm field. Surprisingly faithful reproduction. Rugged construction. Shipping weight 8 lbs.

W19166—For single 45  
W19167—For single 47

Your Cost  
Either Type..... **\$1.90**

## Single Speakers

This Dynamic Speaker Chassis is similar in design, workmanship and materials to the 8 1/2" Model described above, with the exception that this is a D. C. Model, and requires that the power is supplied from the radio receiver, amplifier, or other source of supply. It has the same characteristics and is made for use in Radio receivers, amplifiers, etc. Furnished with output transformer for push-pull 46s and 47s. Is equipped with hum bucking coil. Shipping weight 12 lbs.

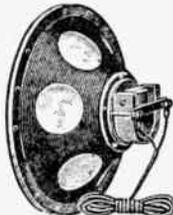


W19150—For push-pull 45s  
W19151—For push-pull 47s

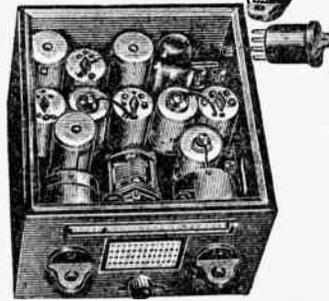
Your Cost  
For Either Type Speaker..... **\$2.95**

## Special Value Magnetic Speakers

This Magnetic Speaker Chassis is ideal for many uses. For radio receivers, new installations as well as for replacements in old type sets; for automobile sets; as an extra extension speaker connected to set and used in another room. Has an exceptionally good reproduction with a fine tone range. The tone is full and deep. Will stand volume without rattling or blasting. The Unit is simple in construction, with magnet of special steel. Cone is made from moisture proof fabric, formed into snape. Sturdy metal framework. Is more efficient than many higher priced magnetic chasses. The Unit is of the balanced armature type and is magnetically and electrically centered. Is highly sensitive, with quick response to the lightest impulse. A remarkable value at the price quoted. Shipping weight 7 lbs.



W19152—  
Your Cost..... **\$1.35**



## New National S. W. Super-heterodyne Receiver

This new Type FB-7 Receiver is designed to secure what corresponds to commercial performance from a receiver designed for amateur use. Uses the very latest type of S. W. superheterodyne circuit. Designed to take full advantage of latest 50 series tubes. Uses two stages of intermediate frequency. Second detector is power type, and feeds directly into single power pentode audio stage; power output 3-4 watts. Operates best with speakers of 5000 ohms. Suitable for C. W. as well as phone. Oscillators used eliminate any tuning drift. Coils shielded. Intermediates tuned, assuring peak efficiency. Straight frequency line tuning; 270 degree condensers spread the band over 50% more dial space than 180 type. Image suppression has been increased 500 times over any receiver, not employing an additional stage ahead of first detector. Can be used with phones. All metal cabinet. Will work effectively with filament transformer and "B" Batteries. Shipping weight 28 lbs.

**N13866**—List Price \$45.00  
**Your Cost (Less Tubes, Coils and Power Supply)..... \$26.46**

**N13868**—General coverage coils, 20 to 33; 27.2 to 42.8; 39.4 to 66.6; 55.5 to 88; 81 to 115.3. Five sets of coils in pairs.

**Your Cost Per Pair (Specify Coil Range desired)..... \$5.88**

**N13869**—Band Spread Coils in pairs, for 20, 40, 80 and 160 meter bands, covering phone and C. W. portions.

**Your Cost Per Pair. (Specify Coil Range desired)..... \$5.88**

**N13858**—No. 5887-AB  
**Power Supply Less Tube..... \$14.40**

## Sprague Midget

### Condensers



This type condenser is very popular with Servicemen and set builders. Used for all new work as well as replacements for by-pass and filter condensers used in the older type radio receivers. Of highest quality materials.

Stock No. Capacity Voltage

D4200	.0005	400
D4201	.001	700
D4202	.005	500
D4203	.006	400
D4204	.01	500
D4205	.02	700
D4206	.04	400
D4207	.05	500
D4208	.06	350

**Your Cost Each..... \$0.04**  
**Per Dozen..... .40**

D4210	.1	400
D4211	.2	400
D4212	.5	200
D4213	.25	400

**Your Cost Each..... .05**  
**Per Dozen..... .50**

D4215	.1-1	400
D4216	.015-.015	1500
D4217	.01-.01	400
D4218	.02-.02	400
D4219	.01-.1	400

**Your Cost Each..... .10**  
**Per Dozen..... 1.00**

## G. E. Tap

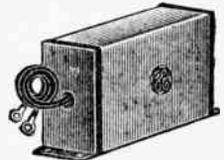
This General Electric Bakelite Twin Tap, provides one additional outlet from a single convenience outlet. Rating of 15 amperes at 125 volts; 10 amperes at 250 volts.  
**N13313—Your Cost Each... 6¢**  
**12 For..... 60c**

## G. E. 3 Mfd. 600 Volts Victor



**RE-45—RE-75**  
The official replacement part No. DL 2961390. Metal container. Size 2 3/4 x 5 x 3/4". Mounting bracket. Flexible leads. Shipping weight 2 lbs.  
**B487—**  
**Your Cost 35¢**

## G. E. Condenser 4 1/2 Mfd. 800 Volts



Genuine G. E. Filter Condenser for amplifiers and P. A. systems. Metal container. Size 5 1/4 x 1 1/2 x 2 3/4" high. Flexible insulated leads. Shipping weight 3 lbs.

**B477—List \$4.00**  
**Your Cost Special..... 55¢**

## Socket Prong

A necessity for Set Builders and Amateurs. Make your own low loss sockets on your base or sub-panel.  
**M13068**  
**Your Cost for 12 20¢**



**RCA** Automatic Remote Control  
**VICTOR**  
For further details see page 41



# BARGAINS!

## QUANTITY LIMITED



### C. R. L. Volume Controls



**Specials**  
These "Specials" C.R.L. volume controls can be used in many of the commercial receivers.

**H9697**—5000 Ohms Radiohm.  
**H9699**—75,000 Ohms Pot.  
**Your Cost Each**..... **19¢**  
Dual Volume Control—5000 ohms wire wound and 15,000 carbon strip.  
**H9696**—  
**Your Cost Each**..... **19¢**

### Carter Jacks



Never before have these well known Jack Switches sold at any thing like our new low price. Just another example of how "Wholesale" saves you money. Type 101. One spring. Open Circuit.

**F6280**—  
**Your Cost Each**..... **5¢**

Type 102A. Two springs, breaks one circuit and breaks another when plug is inserted.

**F6281**—  
**Your Cost Each**..... **5¢**

Type 103. Three springs; two open circuits closed when plug inserted. Fil. control.

**F6282**—  
**Your Cost Each**..... **5¢**

Type 104. Four springs. Two circuits broken when plug is inserted; makes another.

**F6283**—  
**Your Cost Each**..... **5¢**

Type 105. Five springs. Makes two circuits; breaks two when plug is inserted.

**F6284**—  
**Your Cost Each**..... **5¢**

**Dozen, any Type**..... **50¢**

### H&H Two Circuit Switch



This heavy duty switch has many uses in the shop and Laboratory. Ideal where heavy current is used. Operates as follows, 1st. snap, Circuit No. 1; 2nd snap, Circuit No. 2; 3rd snap, Off. Diameter of base 3 3/4". Three holes for supporting screws, spaced 2 1/4". Shipping weight 2 lbs.

**M12820**—  
**Your Cost Special**..... **49¢**

### Faradon 15 Mfd. 1000 Volt Condenser Block



For high power receivers. Two 2 mfd. at 900 volt; two 2 mfd. at 600 volt; two 2 mfd. at 300 volt; one 2 mfd. at 150 volt; one 1 mfd. at 150 volt; provided with 9 soldering lugs. Sealed in metal container, Size 3 3/8"x5 1/4"x1 1/2". Faradon No. 3776-A. Shipping weight 7 lbs.

**B685**—  
**Your Cost Special**..... **\$2.25**

### R. F. Coil Assembly



For Radiola Models 17, 18, 33, 41, 50, 51, 60, 62 and 64.

Consists of Antenna and 2 R. F. coils with R. F. chokes, trimmer condensers and R. F. by-pass condensers mounted on metal terminal strip. Coils are 1 1/2"x1 1/2". Some have Isolantite trimmer condensers. Shipping weight 1 lb.

For Models 17 and 50.  
**H10016**—RCA No. 8293

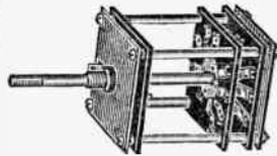
For Models 18 and 51.  
**H10017**—RCA No. 8318.

**Your Cost**..... **95¢**  
**Either Type**.....

For Models 60-62-64.  
**H10018**—RCA 8341. **\$1.75**

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

### Short Wave Change-Over Switch

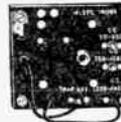


One of the finest short-wave change-over switches made. Consists of three sections: First and second sections have a common double pole to four positions; rear unit is single pole, four positions. Double contact, positive action. Pole contacts are insulated from shaft. Size 3x2", 2" shaft over all. Shipping weight 1 lb.

**E6466**—  
**Your Cost Special**..... **49¢**

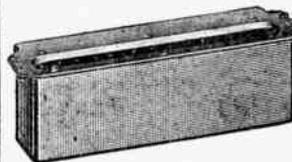
### R.C.A.—Radiola Wave-Trap

This efficient Wave-trap was designed and made by RCA, to increase the selectivity of their Radio Receivers; Models No. 17, 18 and 33. It accomplishes this with unusual success. It may also be applied to any other set with equal effectiveness. For separating stations, eliminating interference of other programs, to reduce static, this wave-trap has no equal. Is especially adaptable to your set if you are troubled with a particular interfering station. It is very efficient in helping to separate the jumble of stations at the low wave length end of the broadcast band. Complete instructions are enclosed. Shipping weight 1 lb.



**Q16175**—  
**Your Cost Each**..... **39¢**  
**In lots of 10, \$3.50**

### R.C.A.—Radiola Catacombs



For the Radiola Six Tube Models No. 24, VIII.

**C2176**—Part No. 8150.

For Model No. 25; Six Tube.

**C2177**—Part No. 8111.

For Models No. 28, 30, 30-A, 32.

Eight Tube Sets.

**C2178** Part No. 8118.

These are the original catacombs made by RCA for their own sets,

as outlined above. Shipping weight 7 lbs.  
**Your Cost, Either Type**..... **\$1.25**

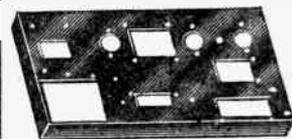
### NA-ALD Fade-Out Announcer



Be able instantly to hush the radio without leaving your chair. If the phone rings—if you wish to make a remark and be heard—to call someone in the next room—or if you wish to reduce the voice or instrument not pleasing to you—fade out or diminish the volume with this Fade-Out. Simple to attach. Can not injure radio set. Includes 20 feet of Rayon covered flexible tinsel wire. The contact hooks slip over antenna and ground posts. Shipping weight 8 oz.

**K11640**—List \$1.00  
**Your Cost Each**..... **59¢**

### Metal Chassis



For Receiving Sets, Transmitters, and Amplifiers. Heavy gauge pressed steel. Six models. Shipping weight 4 lbs.

No. 1 Chassis, same as illustrated. Used for Amplifier; 3 tube set or experimental purposes.

**M12835**—**Your Cost**..... **25¢**

"A" Midget Chassis, cadmium plated.

10 1/4"x7 3/8"x2". Open sides; 8 cut-outs. For 4 tube set. Mount holes.

**M12870**—**Your Cost Each, Special**..... **49¢**

"B" Chassis, 13x8 1/8"x2 3/8". Red Lacquer. Open sides. 13 cut-outs. For 7 tube set. Holes for mounts.

**M12871**—**Your Cost Each**..... **85¢**

"C" Chassis. Cadmium plated. 13x9 1/4"x3 1/4". Open sides. 15 cut-outs. For 8 tube set. Amp' e mount holes.

**M12872**—**Your Cost Each**..... **85¢**

"D" Chassis. Cadmium plated. 12 3/4"x8x3". Reinforced corners. 9 cut-outs. For 5 tube set. Mount holes.

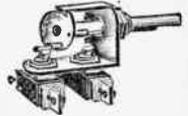
**M12873**—**Your Cost Each**..... **95¢**

"E" Chassis. Cadmium-plated. 12 3/4"x8x3". Reinforced corners. 15 cut-outs. For 8 tube set. Mount holes.

**M12874**—**Your Cost Each**..... **95¢**

### H. & H. Dual Switch

For Time Delay; Radio-Phono, and Long-Short Antenna change-over.



Two toggle switches mounted on a bracket, front unit is single circuit, 125 volts, 3 amps.; rear unit is an s. p. d. t., 3 amp., 125 volts for long-short Antenna or phono-radio change-over. Operated by a 1 1/4" shaft. First 1/4 turn, the front unit is thrown in circuit, and rear unit makes contact with one pole; next 1/4 turn, rear unit is thrown on opposite pole. Shipping weight 8 ozs.

**M12823**—  
**Your Cost Each**..... **65¢**

### Slotted-Shaft Toggle Switch



Made by Cutler-Hammer. 125 volts, 3 amps. For replacement where switch is part of the volume or tone control. 1/2" shaft.

**M12822**—  
**Your Cost Each**..... **12¢**  
**Per Dozen, \$1.25**

### Carter No. 2 Jack Switch



Single circuit jack switch. Complete with knob and plate.

**F6287**—  
**Your Cost Each**..... **25¢**  
**6 for \$1.25.**

### Yaxley Phono-Radio Switch

This is a double pole-double throw switch; the same as used in the Victor Combination Receivers. Mounts on panel in single hole.



**F6294**—  
**Your Cost**..... **25¢**  
**In lots of 12, \$2.50.**

### Hart & Hageman Rotary Snap Switch

Switch will stand 250 volts at 3 amps.



**M12819**—  
**Each**..... **12¢**  
**In lots of 10 \$1.00**

### Heavy Duty Rheostat

This is a heavy duty Rheostat made by DeJure. Is adaptable for many uses among which are for controlling electrical apparatus, also for use in circuits having a very heavy amperage drain. The form is of moulded Bakelite. Is fitted with a pointer Knob. Rheostat has a 3 1/2 ohm winding of the highest grade resistance wire, and has a maximum carrying capacity of 3 amps. Shipping weight 1 lb.

**H9708**—  
**Your Cost Each**..... **39¢**



# Last Minute Specials

QUANTITY LIMITED



## Victor Orthophonic Sound Box Special Value!



Genuine Victor Sound Boxes for replacement in Orthophonic Victrolas and combination Radio and Victrolas. Shipping weight 1 lb.

- For Model No. 10 Victor Jr. **\$1.50**  
A122—Your Cost
- For Model No. 2 Orthophonic **\$1.65**  
A123—Your Cost
- For Model No. 11-E **\$1.75**  
A124—Your Cost
- For Model B.A. **\$1.95**  
A125—Your Cost

## Victor Tungsten Needles

The genuine Victor Tungsten Needles. Each plays over one hundred records as clear and distinct as the first one.

A185—Your Cost **15¢**  
Per Box of 8 Needles



## General Electric Time Clock

Used in RCA centralized radio systems. Will handle any electrical device up to 660 watts 110 volts. Acts automatically, will turn the radio on or off at regular intervals by simply setting the adjustments on the face of the clock. The same time setting principle is to be employed when this clock is in use with any other electrical appliance. Is equipped with a genuine Telechron movement and can be adapted to most circuits. 110 volt 60 cycle. Size 6½ x 4½ x 3". Shipping weight 12 lbs.



U18084—**\$12.50**  
Your Cost

## Direct Drive Dial



The ultimate in dial simplicity. A new traveling light full vision direct drive assembly. Light travels with pointer making dial settings much easier to read. With an attractive full vision escutcheon. Shipping weight 6 oz.

H9877—**10¢**  
Your Cost Complete

## Gold Seal Type 227 Tubes

It will pay you to stock up on these exceptionally high grade bargain tubes. Boxed and guaranteed for thirty days. Shipping weight 1 lb.

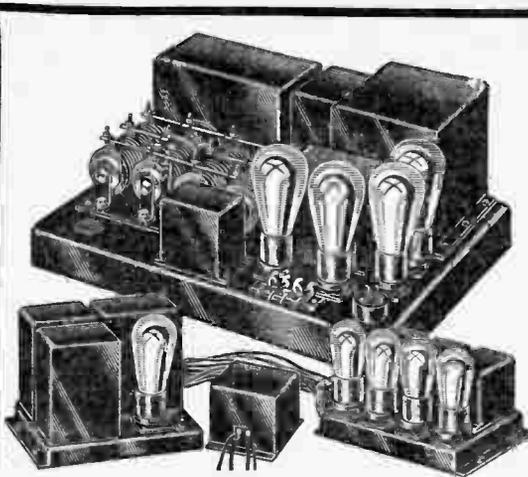
V19105—**25¢**  
Your Cost Each



## Skinderviken Mike Button

Many interesting experiments can be made with this "mike" button.

M13485—**75¢**  
Your Cost Each



## R. C. A. Photophone Amplifier Used in the Auditorium Radiola

This is the Power Amplifier to use for installations requiring the last word in amplifiers. Incorporates the ideal type of circuit to obtain the best tone quality without distortion. Furnishes the field current for three Photophone Dynamic Speakers. Main Amplifier utilizes 2 type 50s and 2 type 81 tubes, together with a double dry Westinghouse Rectox Unit for rectifying the field supply current. A separate power pack, utilizing a single type 80 tube, supplies filament and plate voltages for a suitable

Tuner using 7 heater type tubes, also voltages for a separate pre-amplifier unit using 4 type 26 tubes, which can be cut in ahead of the type 50 tubes. Is furnished with an extra filter capacitor for the elimination of line and extraneous noises. This is a perfect replacement amplifier for all Theatre Installations and Public Address Systems. It leaves nothing to be desired in the matter of Volume, Tone, Reproduction and Response. Use with the RCA Photophone Dynamic Speaker, or any Heavy Duty Dynamic. Shipping weight 150 lbs.

Y19879—**\$85.00**  
Your Cost for this Special Amplifier

## Presto Record Maker Outfit

Records Made Instantly

This is the finest Recording Device available. It will make perfect records of your own voice in your own home and play them back immediately! Will also reproduce ANY RECORD with a fidelity of tone never before attained. So simple a child can operate it.

Presto Record Maker (complete with motor—recording and reproducing tone arms, cabinet and hand microphone—ready to operate). Shipping weight 40 lbs.

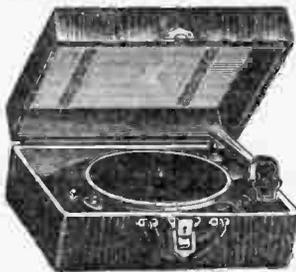
Y19380—List Price \$85.00  
Your Cost **\$27.50**



## Portable — Dual Speed Electric Motor and Pick-up

Dual Speed, 33½ and 78 R. P. M. electric phonograph motor with special high impedance pick-up. Encased in a sturdy and grained fabrikoid covered carrying case. The electric motor is the famous Green Flyer, noted for its silent operation as the gears are of laminated bakelite and are run in oil at all times. The motor is of the induction type. Has 12" turntable, volume control, speed indicator and manual switch for either speed of 33½ or 78 R. P. M. Case is unusually attractive in appearance with padded top. Size 13x18x7" high. For 110 volt 60 cycle operation. Shipping weight 25 lbs.

Y22031—List \$60.00  
Your Cost Special **\$23.95**



## RCA-Victor 250 Amplifier



This is a chance to own a high power 250 amplifier, designed and built to exacting standards by RCA-Victor. Utilizing 1-26; 1-50 and 2-81 tubes. Output transformer matches 11 ohm voice coil of a dynamic speaker. Will supply voltage and current to any 1000 ohm field of a dynamic. Undistorted output, 5 watts, which is sufficient to handle gatherings up to 500 or 1000 persons. Will operate three full size dynamic speakers or 6 magnetic speakers. An excellent power amplifier for public address systems and phonograph pick-up reproduction. RCA Model AP-736 (SPU 24). Shipping weight 66 lbs.

#15732—**\$8.95**  
Your Cost Each (Less Tubes)

## Janette Rotary Converter

Special!

**\$19.50**

200 Watt  
Output

110 Volt D.C.  
to 110 A.C.



This sturdy converter permits the operation of A.C. radios, small electrical appliances, etc., from a direct current source. It is equipped with a special filter which prevents converter interference from reaching the radio. Will operate large radio receivers and those using 50 type power tubes and a public address amplifier or vacuum cleaners, washing machines and similar apparatus. This device is a necessity in those metropolitan and suburban areas which are supplied with only direct current electricity. Shipping weight 55 lbs.

Y19881—List \$65.00  
Your Cost **\$19.50**

# BARGAINS!

QUANTITY LIMITED

## Powertone Superior Radio Tubes At Bargain Prices

Placed on the market by one of the foremost manufacturers in the radio industry to answer the demand of the service man for a first grade tube at a low price. Meter tested, in accordance with specifications of highest quality tubes. Every tube subject to a six months' guarantee.

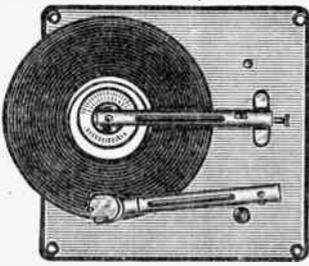


Type	Description	Your Cost	Type	Description	Your Cost
112A	5 V. Pwr. Amp.	\$0.39	231	2 V. Pwr. Amp.	\$0.59
171	5 V. Pwr. Amp.	.38	232	2 V. S. G. Amp.	.79
199X	3.3 V. Det. & Amp.	.65	233	2 V. Pent. Pwr. Amp.	.79
199V	Det. Amp.	.65	235	2.5 V. Var-Mu. R.F. Amp.	.53
201	5 V. Det. & Amp.	.32	245	2.5 V. Pwr. Amp.	.39
210	7.5 V. Pwr. Amp.	1.25	247	2.5 V. Pent. Pwr. Amp.	.52
224A	2.5 V. S. G. Amp.	.53	250	7.50 V. Pwr. Amp.	1.29
226	1.5 V. Amp.	.35	280	5 V. Rectifier	.39
227	2.5 Det. & Amp.	.37	281	7.5 V. Rectifier	1.25
230	2 V. Det. & Amp.	.59			

## White Automatic Record Changer

The White Automatic Record Changer is the most flexible unit of this type ever offered. It is finely finished, neat in appearance and occupies very little space, due to the elimination of cumbersome record racks. Fully automatic, will play either the 10 or 12" records, whether they are warped or not. Any record can be repeated or ejected at will. It is easy to load, carries full support for the records at all times, thus making it impossible to warp them. Its flexibility is remarkable and due to its small size, it adapts itself to many uses heretofore impossible. It can be installed in a cabinet with an amplifier and speaker, or it may be plugged into an existing radio set. Due to the ingenious design of the ejecting mechanism, it will not chip or mar records in any way. It can be started or stopped, loaded or unloaded at will. Has positive clamp preventing slippage of a record while playing. This automatic record changer must be mounted on an angle of 45° or a 21" slant. Overall dimensions of changer, 9 1/2" high, 12 1/2" wide, 13 1/2" long. For 115 volt, 50-60 cycle. Shipping weight 25 lbs.

**Y19894—Your Cost.....\$19.75**



## Carbon Resistors

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

1 Watt		
Resistance in Ohms		
150	3350	100000
200	4000	150000
400	5000	250000
500	7000	500000
600	10000	750000
1000	15000	1 Meg.
1200	25000	1 1/2 Meg.
1500	30000	2 Meg.
2000	35000	2 1/2 Meg.
2500	50000	3 Meg.
3000	75000	

**E5100—Any Size.....3c**  
6 for.....15c 12 for.....25c  
Per hundred.....\$1.95

2 Watt			
Resistance in Ohms			
1000	4000	16000	30000
1500	7000	17000	35000
2000	14000	18000	40000
3000	15000	20000	45000

**E5050—Any Size.....5c**  
6 for.....25c 12 for.....45c

## Genuine Kellogg A. C. Tubes

Type	Description	Your Cost
401	Det. Amp.	\$2.35
403	Pwr. Amp.	2.94

## R.F. Coil for RCA-Victor Model R-43



Part No. 7261. Consists of a choke coil primary, enamel wound secondary and mounting bracket. Size 2 3/8 x 1 1/4".

**K10108—Your Cost.....55c**

## Extension Cord Unit



Silk covered 8 1/2 ft. double cord with Bakelite cap. **H13959—Your Cost.....14c**

## For Edison & Splitdorf Receivers

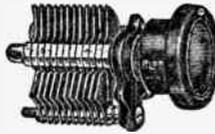


Can be used in many other sets and circuits. 50 Watt rating.

**X20492—12500 ohms Your Cost Each.....15c**  
**In Dozen Lots.....\$1.50**

**X20493—10000 ohms 30 w. rating Cost Each.....12c**  
**In Dozen Lots.....\$1.20**

## Midget Condensers



Types for neutralizing R. F. amplifiers, antenna coupling, tuning verniers, regeneration control, and short wave tuning circuits. 3/4" shaft with knob. Ship. wt. 3 lbs.

Type	Capacity	Your Cost
H10204	—0.00015 mfd.	\$ .49
H10205	—0.00025 mfd.	.49
H10206	—0.00050 mfd.	.54
H10207	—0.00100 mfd.	.59

## Sangamo "Illini" Mica Condensers



Molded bakelite, available in the following capacity: .0001, .000125, .00025.

D4170—State capacity	<b>5c</b>
Your Cost Each	
12 for.....	<b>59c</b>
D4176—.001 mfd.	<b>7c</b>
Your Cost Each	
12 for.....	<b>69c</b>

Aerovox Mica Condensers	
Type 1460	
D4183—.00025 mfd.	<b>4c</b>
Your Cost	
12 for.....	<b>40c</b>

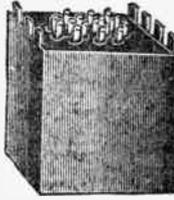
## C R L Volume Control

Crosley part No. 6598. Special Volume Control for Model 71-A 25000 and 15000 ohms. **C1868—Your Cost.....15c**

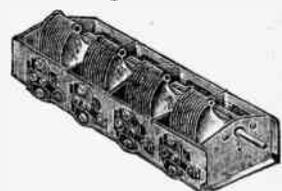


## Victor "ABC" Power Transformer

For Models, R - 3 2, R E - 4 5, R - 5 2, R E - 7 5. Original Victor ABC Power Transformer. Utilizing, 6 - 2 6 s; 1 - 2 7; 2-45s, and 1-80. Removed from Victor amplifiers, but are guaranteed in perfect operating conditions. Shipping weight 11 lbs. **C2158—Your Cost, Special.....\$1.25**



## "Scoville Low-Type" 4-Gang Condenser



Brass plates, cadmium plated frame, shaft diameter 3/8". Capacity .00035 mfd. Clock-wise rotation. Flat mountings. Size 3 1/2" wide, 3 3/4" high (fully opened) and 10" long. Shipping weight 6 lbs.

**H9906—List price \$5.00 Your Cost.....45c**

## Reds and Tubing

<b>M13160—Hard Rubber Rod</b>	
3/8" —per ft.	\$ .40
1/2" —per ft.	.56
3/4" —per ft.	.56
1 1/8" —per ft.	.72
<b>M13161—Bakelite Tubing</b>	
1/2" —per ft.	\$ .12
3/8" —per ft.	.12
1 1/8" —per ft.	.18
<b>M13162—Natural Bakelite Tubing</b>	
1 1/8" —per ft.	\$ .19
1 1/4" —per ft.	.29

## "G-1" 3-Gang Condenser



Cadmium plated frame with shielding between each section. The 3/8" shaft is ball-bearing and smooth in action. Aluminum plates slotted. A special spring between sections maintains alignment. Flat mounting. Capacity .00035 mfd, size fully opened, 3 3/4 x 3 3/4 x 6 3/4" long. Shipping weight 3 lbs. **H9907—List price each \$3.75 Your Cost Each.....95c**

## Push Button

For general use. **M12830 Each.....18c Dozen.....\$2.00**



## MERSHON Electrolytic Condensers

**SPECIAL!**  
8 MFD. Single 27c  
Triple Five [5-5-5] 45c

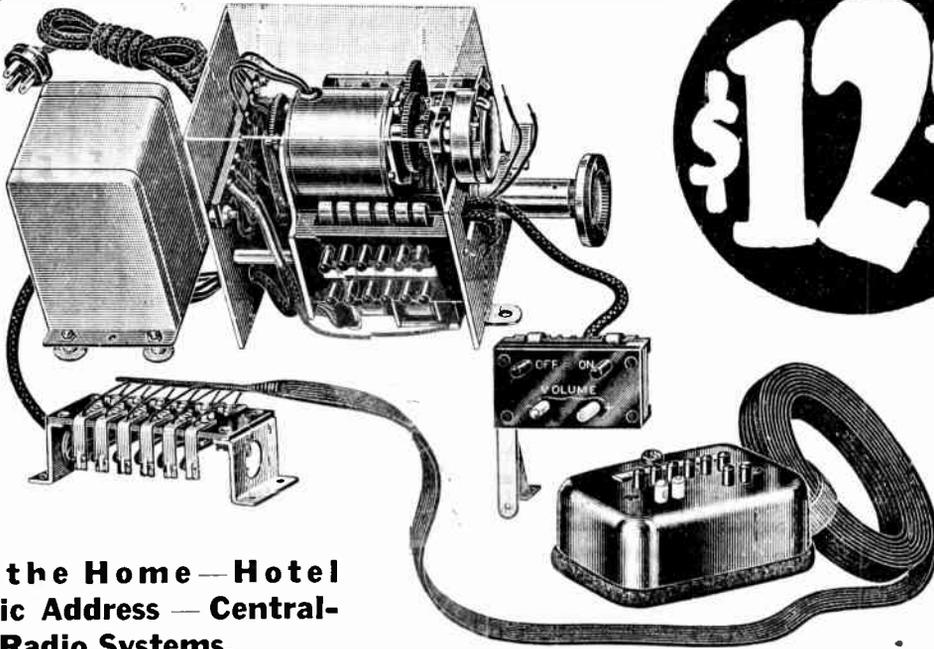
Stock No.	Capacity	Peak Voltage	Your Cost	Stock No.	Capacity	Peak Voltage	Your Cost
D2700	8	455	\$0.27	D2706	5-5-5	430	.45
D2701	18	450	.65	D2707	8-8-8	430	1.35
D2702	20 (low volt)	25	.40	D2709	18-9-9	430	1.95
D2704	8-8	430	.95	D2710	8-8-8-8	430	2.25
D2705	5-15	430	.95	D2711	8-8-18-18	430	2.45



# Profit by One of Our TYPICAL VALUES!

## Service Men •

### RCA-Victor Automatic Remote Control



**\$12.50**

**For the Home—Hotel  
Public Address—Central-  
ized Radio Systems.**

**Acknowledged the finest remote control mechanism that has ever been offered the public, practically fool-proof. Engineered and Built by Westinghouse. Used on the most expensive Radiola and Victor receivers**

**and combinations. Undoubtedly the best buy in the radio market today. Bring your receiver up-to-date, by installing this Automatic Remote Control Assembly. Can be attached to most receivers.**

The Remote Control feature is unique in that it not only allows control of the receiver from a distant point but also pre-selects the desired station accurately. Manual tuning, other than necessary for the original setting of the selector buttons, is therefore eliminated. Selection of any one of six stations, adjustment of volume control, or turning the receiver on or off may be accomplished at one or more remote points from the receiver. Operation of the tone control or local distant switch must be done at the receiver. The remote consists of a capacitor motor coupled to the gang condenser through a series of gears; a series of drums and contactors by which the motor is started in the right direction for a given station and stopped at the right point; a special volume control geared to the motor; a relay to turn the set on or off and a remote control box by which these operations are controlled.

The motor is provided with a tapped reactor and condenser for changing the phase angle of the applied current so that operation in either direction may be secured. The motor operates at 23 volts for the station selector and 18 volts for the volume control.

The proper direction of operation and stopping of the motor selection of a desired station is controlled by a series of drums and contactors. The drums hold the contactors in the proper position so that when a particular selector button is depressed, the motor will turn in the right direction when the contactor is at the point on the drum where it is half way between each contact, the motor stops. This is 180° from the hole that is used to set the drum for a par-

ticular station. A pilot lamp is located on the remote control box, a common lead is used for the lamp and the selector buttons, by doing this, when a selector button on the box is pressed, the current through the common lead is increased, likewise the voltage drop in the lead is increased. The result is that while the motor is running the pilot lamp becomes very dim. As soon as the motor stops, the lamp flashes bright, thus indicating that the motor has stopped and the station is tuned in. If the station is not then heard, it is necessary to press the + volume control button a little at a time until the desired output level is obtained.

The setting of the drums is made by the pins on the front panel of the control unit. These are known as the setting buttons. The selection button is pressed and the drum is moved by the motor until the corresponding contactor is midway between the contacts. The pin will now fall in the hole in the drum if pushed in by the finger. Holding the pin firmly in the hole, the desired station is then accurately tuned in by means of the manual station Selector Knob. After tuning the pin is then released.

The cable to the remote control box supplied with the remote control is twenty-five feet in length. If, however, it is desired to place the remote control box at a greater distance from the set, any twelve conductor cable, the wires of which are No. 14 or larger in size, may be used to splice onto the regular cable and increase the total length up to seventy-five feet. This remote control assembly may be attached successfully to any electric or battery receiver provided it has the following physical char-

acteristics. The variable condenser must be of the ball bearing or easy moving type. This control is equipped with an eccentric gear arrangement whereby the arrangement of the variable condenser and control unit may be geared up to match any portion of the laminated gear of the control. However, in many cases it may be necessary to take off the gear arrangement on the control unit, by removing a pin that goes through the entire shaft, and connecting a 3/8" coupling unit.

The control unit, excluding the transformer and capacitor pack, is 5" long, 4 1/4" deep, 6" high, overall. Drive shaft extends 2 1/4" from housing including gear; center of gear is 2 3/4" from front of control housing. This means that you would have to have clearance of at least 7 1/2" from the end of the variable condenser and the cabinet. It might be a suggestion to install the receiver chassis and the control unit in a closet or out of sight, as once the original setting is accomplished, you would always have the selection of six different stations. Volume control is supplied with this unit, but the present volume control need not be disturbed, as the present volume control may be turned to maximum volume and control level controlled by the remote box. A full set of instructions and service notes supplied with each unit, this explains in detail the full operation of this device and one should have very little trouble installing it in most receivers.

For operation of 110 volt, 60 cycle only. Shipping weight 20 lbs.

Y19425—

Your Cost ..... **\$12.50**

**We Will Not Knowingly Be Undersold**

# PUBLIC ADDRESS SYSTEMS



## Drives 20 Full Size Dynamic Speakers

The majority of Class "B" audio amplifiers do not respond very well to the higher frequencies. Lafayette sound engineers have overcome this shortcoming by using a direct coupled driver which accentuates the higher frequencies; this in turn compensates for the loss in the Class "B" stage, resulting in an amplifier having uniform response over the entire audible range.

### High Gain

Technically, the characteristics of this amplifier are as follows: It has a gain of 83 db. at 1000 cycles, is only minus 3 db. at 50 cycles and actually rises to plus 2 db. at 5000 cycles above the overall gain of 83 db. Input impedance 500000 ohms; output impedance 4, 8, 15, 500 and 2000 ohms.

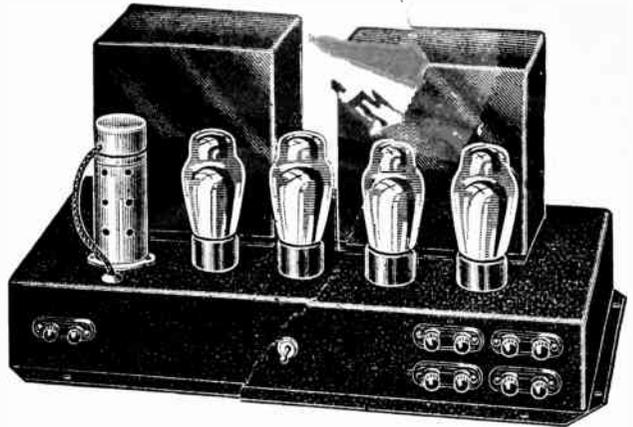
### 28 Watts Power

Conservatively rated, this amplifier will deliver 28 watts undistorted output. In an actual measurement in the laboratory, a 40-watt incandescent lamp was connected across the 500 ohm output circuit. With a 1000 cycle audio frequency generator feeding one-tenth of a volt to the input, **the lamp burned at full brilliancy!** Distortion level 9%.

### Drives 20 Speakers

The Lafayette Class "B" amplifier is powerful enough to drive 20 full size dynamic speakers when properly connected. Under no circumstances

# 28 WATTS OUTPUT CLASS "B" AMPLIFIER



## Full Frequency Response No Loss of High Notes

should the average single speaker be connected to the output of this amplifier under full load.

### Circuit Data

The circuit of this amplifier employs a single type 57, directly coupled into a 59, which in turn drives a pair of 59s in Class "B". The rectifier tube is the new mercury vapor type 83.

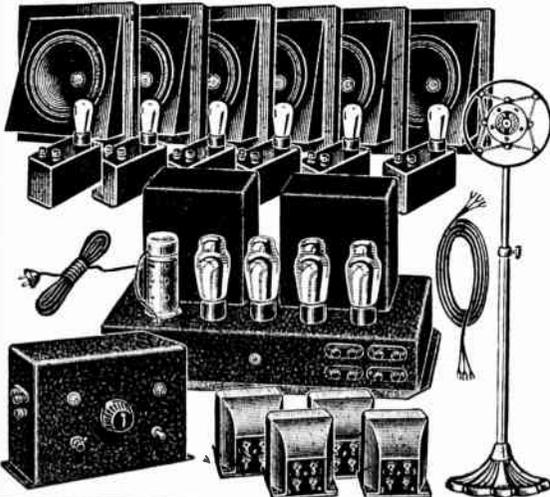
### Component Parts

All parts are carefully tested with precision accuracy, and they are designed to give the maximum of service. Both the power transformer and the choke assembly are designed to handle **twice** the normal current to which they are subjected under full load. These husky units each measure 6½x6x5". Overall, the amplifier is 11½" deep, 20" long and 10" high.

**P15760**—Lafayette Class "B" Amplifier, completely assembled and wired. For 100-130 volts, 50-60 cycles A. C., less tubes and loud speakers. Dimensions: 11½" deep, 20" long, 10" high. Shipping weight 61 lbs. List Price **\$97.50**

**Your Cost** ..... **\$42.50**  
**P15757**—Complete amplifier with RCA or Arcturus tubes, consisting of 1-57, 3-59s, 1-83. **Your Cost** ..... **\$47.75**

## Complete 28 Watt Class "B" Public Address System



With the proper accessories, the Lafayette Class "B" Amplifier makes an ideal P. A. system, capable of carrying voice and music to indoor crowds of as many as 10,000 people. The amazing performance of the Lafayette Class "B" Amplifier is made possible by the advanced engineering principles involved in its design and the very high quality of its components. Its output is really tremendous, and must be heard to be appreciated. It is ideal for permanent installations in theatres, churches, dance halls, skating rinks, lodge rooms, etc.

### Special Matching Transformers

By means of the special matching transformers supplied, the loud speakers may be placed in the most advantageous positions, regardless of the length of the connecting lines, and will all produce uniform results. This is very important from the standpoint of good reproduction.

Service men or sound specialists can buy a complete system, as illustrated above, or they may select as many of the accessories as they need for a particular installation. All the parts listed are guaranteed to be up to the usual high Lafayette standard.

**P15780**—Complete public address amplifier consisting of the following: Class "B" 28-watt amplifier as described; 1 Lafayette Model 50 microphone, with DeLuxe floor stand and 25 ft. cable; 6 Photophone speakers with individual field exciters; 1 Pre-amplifier control box, and 4 Matching transformers. Complete with RCA tubes. Shipping weight 540 lbs. List Price **\$500.00**  
**Your Cost** ..... **\$227.50**

**P15781**—Same as above but with 10 RCA 106 type speakers, A. C. excited. Shipping weight 530 lbs.  
List Price **\$525.00**  
**Your Cost** ..... **\$237.50**

The various public address systems listed on this and the following pages represent average installations. If you have a special P. A. problem, write to us for suggestions and prices.

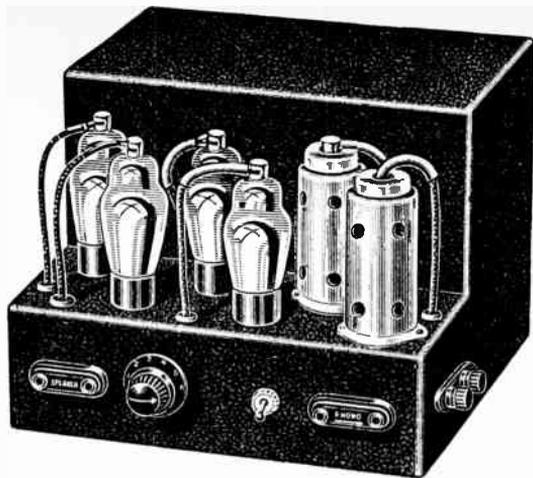
# At Last A SIX-VOLT AMPLIFIER

**Operates entirely  
from auto battery**

**Current drain only  
8 amperes**

**No "B" Battery**

**Solves the portable problem**



No more worries about run down "B" batteries or weak signals! The new Lafayette Six-Volt Portable Amplifier—entirely self-contained and ready to operate—always works at full efficiency. Only source of power required is six volt storage battery such as used in all cars. Draws only eight amperes—less than the headlights—and therefore does not involve any changes whatsoever in the car's electrical system. Compare this economy of operation with the current drains of 18 and 20 amperes of previous amplifiers of this kind!

The low current drain of the new Lafayette Six-Volt Amplifier makes it possible for radio dealers and service men to install this unit, along with a separate storage battery, in unwired places where the use of a small public address amplifier is desired for a short time. An 80- or 100-ampere hour battery will give a full day's service, and can readily be replaced by a fresh battery if further use is to be made of the amplifier.

#### Constant Plate Voltage

The filaments of the six tubes are run directly on six volts. Plate current is supplied by a special generator, entirely closed in and requiring no special attention. No vibrating points to stick or burn out. Plate voltage is constant, amplification at maximum at all times.

#### High Gain Class "B" Circuit

Advanced design of circuit is responsible for unprecedented gain of 85 db. Six tubes are used: one type 36 as voltage amplifier, feeding one type 89 pentode driver, in turn working into four type 89s in Class "B" push-pull parallel. Output of 10 watts is enough to cover large outdoor crowds. These tubes are extremely rugged and are made especially for rough automobile service.

We recommend the use of a large single Racon unit with a triple connector for three horns.

Connections are provided for quick connection of six-volt dynamic speaker field coils, and also for the local microphone current supply.

One of the features of this amplifier is a voice coil impedance matching switch, controlled by a small knob on the front of the chassis. This enables the user of the amplifier to adjust the output most satisfactorily to the particular loud speaker or combination of speakers that he intends to use. Maximum output efficiency is thus maintained under all normal operating conditions.

#### Compact Construction

In designing the Six-Volt Amplifier Lafayette engineers have kept in mind the space limitations of portable amplifiers. The whole unit measures only 10 $\frac{3}{8}$ " wide, 8 $\frac{3}{8}$ " deep and 7 $\frac{3}{4}$ " high, and is therefore easily mounted under the dashboard, on the running board, on a back seat, or in the baggage compartment. This amplifier is unusually versatile and will find a wide variety of applications in portable work.

Construction throughout is extremely rugged, and workmanship is of the best. Built to last!

**P15768**—Lafayette Six-Volt Amplifier, less tubes, microphone or speaker. Dimensions: 10 $\frac{3}{8}$ " wide, 8 $\frac{3}{8}$ " deep and 7 $\frac{3}{4}$ " high. Shipping weight 30 lbs. List Price **\$130.00**  
**Your Cost** ..... **\$59.50**

**P15767**—Complete with RCA or Arceturus tubes, consisting of 1-36, 5-89s.  
**Your Cost** ..... **\$65.00**

## Lafayette Portable Six-volt Public Address Outfit

A complete public address outfit using the new Lafayette Six-Volt Amplifier can easily be put in the back of a small car. With no heavy "B" batteries to carry around, and with the car's regular battery furnishing all necessary energizing current, the apparatus is light and compact and can be set up in a few minutes.

Maximum volume is available at all times, the output of the special Lafayette power unit being constant and independent of temperature or weather conditions. This is an important feature from the standpoint of portable use, as "B" batteries carried in a car are quickly affected by extremes of heat or cold and cannot be relied on.

The outfit illustrated on the right will find great favor among such users as merchandise demonstrators, patent medicine salesmen, political lecturers, etc.

**P15768**—Lafayette Six-Volt Portable Amplifier as described. List Price **\$130.00**  
**Your Cost** ..... **\$59.50**

**Y19758**—Junior Dynamic speaker unit, with triple connector and three 3 $\frac{1}{2}$ " ft. long, 22 $\frac{1}{2}$ " diameter trumpets. Shipping weight 23 lbs.  
**Your Cost** ..... **\$94.50**

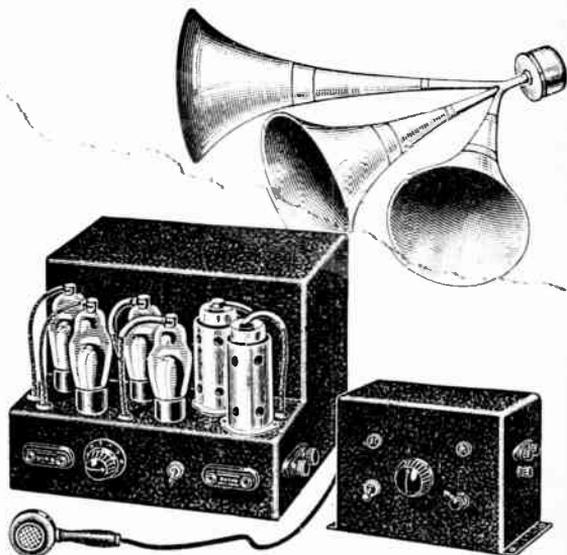
**M13420**—Lafayette Double Button Microphone with desk stand, 3" in diameter, 2" thick. Shipping weight 7 lbs. List Price **\$35.00**.  
**Your Cost** ..... **\$15.45**

**M13423**—Lafayette Double Button Hand Microphone. Shipping weight 4 lbs. List Price **\$23.00**  
**Your Cost** ..... **\$10.45**

**P15773**—Microphone control box. Dimensions, 9" wide, 6 $\frac{1}{2}$ " high, 5" deep. Shipping weight 5 lbs. List Price **\$20.00**  
**Your Cost** ..... **\$8.50**

**P15771**—Complete Lafayette Six-Volt Portable Public Address Outfit, including loud speakers, Lafayette microphone with desk stand and microphone control box. Shipping weight 45 lbs.  
**Your Cost** ..... **\$169.45**

**P15772**—Same as above but with Lafayette Double Button Hand Microphone.  
**Your Cost** ..... **\$164.45**

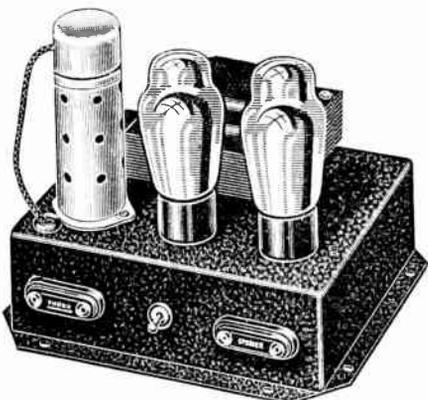


**P15767**—Complete set of RCA or Cunningham tubes for above amplifier, consisting of 1-36, 5-89s.  
**Your Cost** ..... **\$5.50**

**Replacement Part Headquarters for Dealers and Service Men**

# A High-Gain Amplifier for only

# \$9.75



**Uses new type tubes**

**Works 3 or 4 Dynamics Speakers**

## Lafayette Quality and Workmanship Throughout

Here is the biggest little amplifier ever brought out—at a price that defies competition. Measuring only 8 1/4" wide, 6" deep and 5 1/4" high, this latest addition to the famous Lafayette line is a completely self-contained two stage power amplifier capable of working three or four dynamic speakers to full capacity, and that means it has real "sock." Because of its small size, its low price and its remarkable efficiency, it will find many uses in public address work.

### Latest Type Tubes

To show how up-to-the-minute this job is, we merely need mention that it uses the latest type tubes. There is a 57 capacity coupled to a 59, a combination that produces the extraordinarily high amplification of nearly 100 db. Output 3 1/2 watts. Actually these two tubes do the work formerly done by four tubes! A type 83 mercury vapor rectifier, noted for its low internal resistance and small voltage drop, is employed as rectifier.

### Lafayette Standards Followed

Don't get the idea from the price that this is a cheap amplifier. The Lafayette standards of good parts and careful workmanship have been met very strictly. All parts are of generous oversize proportions, and carry the usual Lafayette guarantee. All Lafayette amplifiers—this

one included—are designed for continuous operation, so there can be no skimping. All-metal construction is used, with the whole unit neatly finished in durable lacquer.

### Numerous Application

Numerous applications for this handy amplifier will suggest themselves to the wide awake service man, dealer and experimenter. To mention a few: for public address systems in small meeting halls, restaurants, markets, theatres, etc.; to replace old style amplifiers in radio receivers having good tuners; to "electrify" old horn-type phonographs; for hearing aids, etc. The phonograph market is a particularly good one, as there are thousands of old talking machines in existence that their owners want to keep.

**P15790**—Lafayette Two-Stage Amplifier, completely assembled and wired. Less tubes and loud speakers. Dimensions: 8 1/2" wide, 6" deep, 5 1/4" high. Shipping weight 15 lbs.

**Your Cost** ..... **\$9.75**

**P15791**—Complete Amplifier with RCA or Areturus tubes consisting of 1-57, 1-59, 1-83.

**Your Cost** ..... **\$12.70**

# Push-Pull 3 Stage Amplifier

**With new type 59 Tubes**

# only \$14.95

Where volume enough to operate five or six dynamic speakers is required, we recommend the new Lafayette Three Stage Amplifier, whose tremendous power and marvelous response will make listeners wonder how such a compact unit can be so effective. With an undistorted output of six watts, this amplifier is actually a "power" amplifier.

### Three Stage Circuit

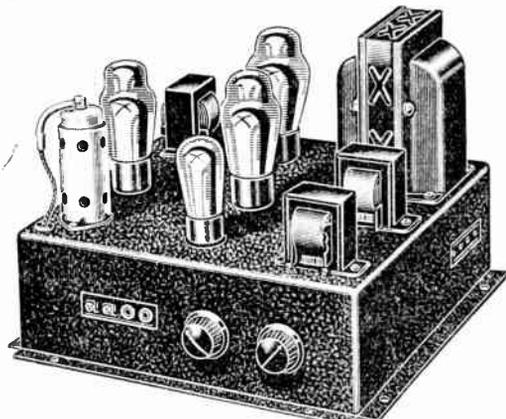
A type 57 is capacity coupled to a 56, which in turn is transformer coupled to two 59s in push pull. The required plate current is supplied in humless form by an 83 mercury vapor rectifier. The overall amplification is so great that special input connections to the second stage are provided for phonograph pick-up. If a pick-up is connected directly to the input of the first stage, the last stage will actually overload.

### Tone Control Provided

Another welcome feature is a tone control. Such controls have proven their value on radio receivers; why not on amplifiers? In many installations a little tone correction is highly desirable to overcome peculiar acoustical conditions and may mean the difference between mediocre reproduction and good reproduction.

### Oversize Parts

This husky amplifier is another credit to the skill of Lafayette engineers. Heavy, oversize power units and metal construction mean long and satisfactory life. Unit measures 12" square and 9 1/2" high; doesn't take up much room, but how it does work! No wiring in sight; everything under the chassis. Supplied with and without output transformer.



**P15795** Lafayette Three Stage Amplifier, completely assembled and wired. Less tubes, loud speaker and output transformer. Dimensions: 12" square, 9 1/2" high. Shipping weight 30 lbs.

**Your Cost** ..... **\$14.95**

**P15797**—Complete amplifier with RCA or Areturus tubes, consisting of 1-57, 1-56, 2-59s, 1-83.

**Your Cost** ..... **\$19.90**

**P15796**—Same as above, but with output transformer less tubes. Shipping weight, 33 lbs.

**Your Cost** ..... **\$17.45**

### Lafayette Microphone Control Box

Serves a dual purpose in the Control of Microphones. It varies the sensitivity and it prevents the continual re-filling of carbon granules due to breaking down from the heat generated in account of using a current beyond the rating of the Microphone. The Unit is equipped with a D. C. Millimeter, and a variable control for these purposes. Enclosed in a metal case 5 1/4" wide; 5 1/4" high and 6 1/4" deep, and finish in black. Shipping weight 6 lbs.

**P15794**—Your Cost ..... **\$9.50**

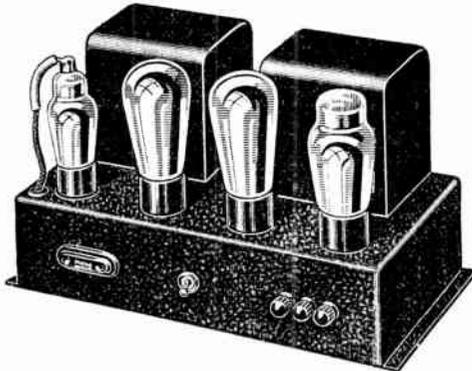
### Consult Us On Special Amplifiers

Please feel free to call on us at any time for advice on your amplifier or public address problems. Our sound engineers have designed many units for special purposes and have had wide and varied experience in this field. Get our plans and prices before you buy elsewhere. We guarantee complete satisfaction.

# Lafayette Loftin-White Amplifier Family DE LUXE MODELS

**PUBLIC ADDRESS  
SYSTEMS**

## 245 Push Pull



## The Result of Years of Research!

The Lafayette Loftin-White 245 Push-Pull Amplifier, 1933 Model, is the result of several years of development. Previous models using the older tubes gave widespread satisfaction, and now Lafayette engineers, after months of experimenting, are pleased to announce the use of some of the newer, higher gain tubes.

### Clean Cut Circuit

A clean cut, straightforward circuit characterizes this amplifier. The initial stage uses a type 57 tube, coupled by the famous Loftin-White method to a pair of 45's in push-pull. The high amplification and absolute clarity of this reliable and time-tried combination leave nothing to be desired. An 83 mercury vapor rectifier supplies plate voltage. This new type rectifier has a very low internal resistance, and the regulation characteristics of the power system are exceptionally good.

### Works Five Dynamics.

The undistorted output of the modernized 245 Push-Pull Amplifier is four watts, enough to drive four or five dynamic speakers at full volume. This output is just about right for dozens of popular classes of public address operation: medium size theatres, skating rinks, dance halls, auction rooms, small swimming pools, etc. The low price brings this unit within the means of many prospective purchasers of P. A. systems who were scared off previously by the high cost of other makes of amplifiers of equivalent capabilities.

### Rugged Construction

Rugged construction throughout make this an outstanding amplifier.

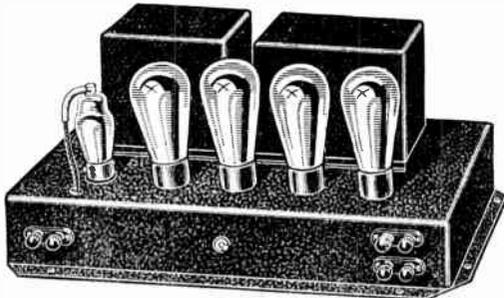
Quality Performance  
Reproduction that is comparable with the highest priced amplifiers on the market. Even when using the maximum power output of this amplifier the superb tone is maintained the same as when operating at lower levels. Designed upon the most advanced of present-day engineering principles, it is positively in a class by itself in the field of sound amplification. Oversize parts are used throughout, but the whole unit measures only 12" wide, 7" deep and 7½" high. Built for continuous operation, and is therefore ideal for public address or inter-office call systems which must be kept "alive" all the time. Breakdown of any of the parts is practically unknown. In its manufacture only components of the very highest quality are used insuring long and trouble-free operation.

**P15723**—Lafayette Loftin-White 245 Push-Pull Amplifier, completely assembled and wired. Less tubes and loud speaker. Dimensions: 12" wide, 7" deep and 7½" high. Shipping weight 40 lbs.  
List Price ..... \$45.00  
**Your Cost** ..... **\$19.75**

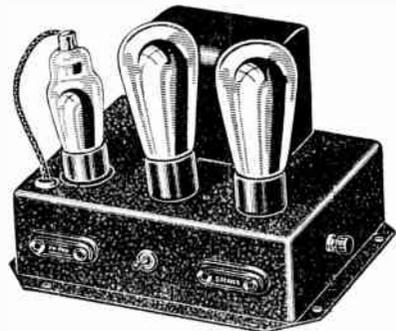
**P15724**—Complete amplifier with set of RCA or Arcturus tubes, consisting of 1-57, 2-45's, 1-83.  
**Your Cost** ..... **\$22.70**

**P15721**—Lafayette Loftin-White 245 Push-Pull Amplifier with output Transformer to 5-15 ohm voice coil, and 500 ohm line.  
List Price ..... \$50.00  
**Your Cost** ..... **\$21.75**

## Lafayette Loftin-White 250 Push-Pull



## Lafayette Loftin-White "Little Giant"



The 250 Push-Pull Amplifier has been designed to take full advantage of the unique Loftin-White principle and is recommended to those requiring greater power and coverage than that provided by the other units described on this page. Its stability of operation is amazing and trouble usually arising from unmatched 250 tubes is completely eliminated. More amplification is obtained than from any other amplifier using the same tube combination. Has enormous output of fifteen watts, capable of operating eleven full size dynamic speakers at high volume and will provide ample volume to cover audiences of 2000 to 3000 persons, making it ideal for use in small theatres, clubs, etc. The frequency characteristic taken between 30 and 8000 cycles is comparatively flat as the curve taken on the amplifier shows only 4 db. drop at 10 KC., a remarkable performance. The curve shows a gain of 65 db. at 400 cycles. Circuit consists of a type 57 feeding into the push-pull 50's, with two 81 half-wave rectifiers supplying high voltage for the plates. Output impedances, 500 and 4000 ohms. This adapts it for line transmission work as well as high impedance speakers.

**P15742**—Lafayette Loftin-White 250 Push-Pull Amplifier, less tubes and speakers. Dimensions, 11½" deep, 20" long, 8" high. Shipping weight 55 lbs.  
For 105-120 volts, 50-60 cycles A. C. List Price \$300.00  
**Your Cost** ..... **\$42.50**

**P15722**—Complete amplifier with RCA or Arcturus tubes, consisting of 1-57, 2-50's, 2-81.  
**Your Cost** ..... **\$52.75**

**2A401**—Matching transformer for matching 500 ohm line of above amplifiers to 5-15 ohm voice coils. Shipping weight 6 lbs.  
List Price ..... \$18.00  
**Your Cost** ..... **\$7.50**

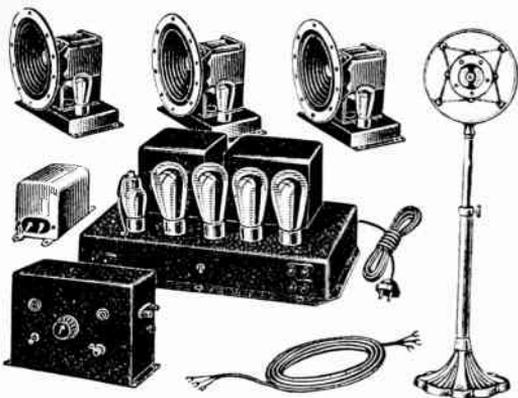
This baby giant of Amplifiers will deliver more power, tube-for-tube and preserve a more uniform frequency response curve than any similar piece of apparatus on the market. Its frequency response between 30 and 8000 cycles has a variation of but 3 DBs. Gain at 400 cycles 54 DBs. Maximum undistorted output 3 to 4 watts (sufficient to operate 4 full size Dynamic Speakers or 10 Magnetic Speakers at their full capacities.) The necessary input for maximum output is 175 millivolts. Output impedance 4000 ohms and is directly from tube. Power consumption 40 watts at 115 volts 60 cycle. This amplifier developed in our own laboratories with the full cooperation and technical advice of Loftin-White staff. Its filter circuit employs two 1000 volt Flechtheim and an Aerovox dry electrolytic condensers—units that insure long and trouble-free operation and perfect filtering. Special plus or minus 5% resistors are used in plate and grid circuit. Oversize Power Transformer and Chokes, designed in conformity with highest R. M. A. standards. Pressed steel frame in attractive black crystalline finish. Tubes required, 1-57, 1-U245 and 1-U280. Size 6x8x7". Ideal for those requiring a compact unit for ample coverage of indoor gatherings at 1000 or less persons. Suitable for microphone or phonograph reproduction. No output transformer included. Shipping weight 17 lbs. For 105-120 volt 50-60 cycle A.C.

**P15738**—Lafayette Loftin-White "Little Giant" Amplifier, completely assembled and wired. Less tubes and speakers. Dimensions, 8½" wide, 6" deep, 5½" high. List Price ..... \$30.00  
**Your Cost** ..... **\$12.95**

**P15739**—Complete set of amplifier with RCA tubes, consisting of 1-57, 1-45, 1-80. List Price ..... \$34.00  
**Your Cost** ..... **14.95**

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

## Lafayette 250 Public Address System

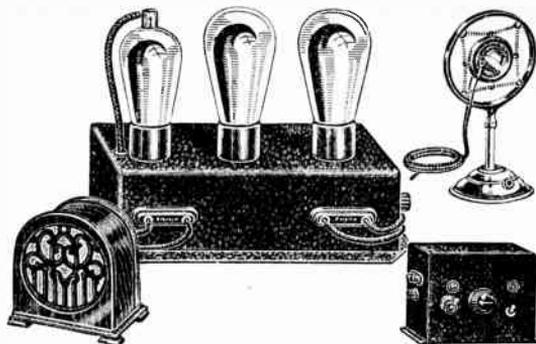


Everything needed for a powerful public address system capable of covering as many as 3000 people is included in this outfit, which is ideal for auditoriums, race tracks, dance halls, and many other public places. The main unit is the DeLuxe Lafayette 250 Push-Pull Amplifier, which has an output of 15 watts undistorted power. The perfect clarity and uniform response of this high grade instrument is a delight to the ear. This amplifier, like all the other amplifiers in the Lafayette line, is designed for continuous operation and hard service. Once installed, it requires practically no attention and may be operated by inexperienced persons. It is a Lafayette custom-built product. The whole outfit consists of the following: 1 DeLuxe Lafayette 250 Push-Pull Amplifier, completely assembled and wired; 1 Lafayette model 50 double button microphone, with DeLuxe adjustable floor stand and 25 ft. connecting cable; 1 Microphone pre-amplifier and control box, one special matching transformer; and 3 RCA 106 type dynamic speakers, A. C. operated, complete with RCA tubes. Shipping weight 200 lbs.

**P15745**—Public Address System complete with RCA tubes. List Price \$290.00  
**Your Cost** ..... **\$129.50**

If desired, the system will be supplied at the same price as above with 2-RCA Photophone speakers, with individual field exciters in place of 106's.

## Lafayette Inter-office System



A simple public address call system will soon pay for itself, in time recovered, in many offices and factories. The Lafayette Inter-Office System was designed to fill this need. It consists of a double button microphone with desk stand pre-amplifier and microphone control box and a dynamic speaker, with such accessories as a 12 ft. microphone cord, 20 ft. speaker cable, microphone batteries and microphone suspension springs. You have the choice of two amplifiers: for one, two or three speakers, a Loftin-White unit with a single 45 output tube; for five speakers, a similar unit with push pull 45s. These amplifiers are designed for continuous operation.

**P15716**—Inter-Office System, complete as listed above with single 245 amplifier and one special D. C. dynamic speaker, less tubes. Shipping weight 75 lbs. List Price \$90.00  
**Your Cost** ..... **\$42.50**

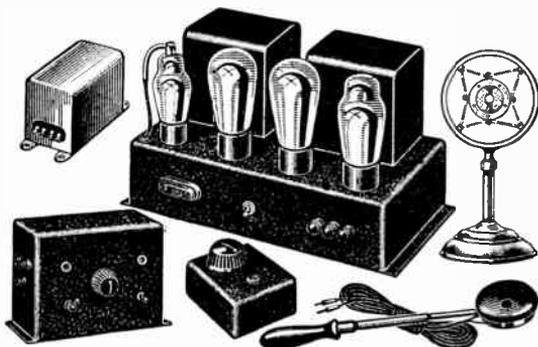
**P15717**—Same as P. 5716 above, including 1-57, 1-45 and 1-80 RCA or Arcturus tubes.  
**Your Cost** ..... **\$44.50**

**P15718**—Inter-Office System with 245 Push-Pull Amplifier and one special D. C. dynamic speaker, less tubes. Shipping weight 75 lbs. List \$110.00  
**Your Cost** ..... **\$49.25**

**P15719**—Same as P15718 above, including 1-57, 2-45 and 1-83 RCA or Arcturus tubes.  
**Your Cost** ..... **\$52.00**

Special Dynamic Speakers, extra.  
**Your Cost Each** ..... **\$7.50**

## Lafayette Hearing Aid



The importance of supplying individual hearing aids to partially deaf people who attend movie theatres, churches, etc., is now being generally realized. The Lafayette Hearing Aid is a complete outfit developed by Lafayette engineers to supply the increasing demand for suitable equipment. It consists of the Lafayette Loftin-White DeLuxe 245 Push-Pull Amplifier and accessories as listed below. The single head-phones may be held against either ear without disturbing the hair or the head in any way. Individual control boxes are supplied with each earphone. Following are the parts used:

Lafayette Loftin-White 245 Push-Pull Amplifier, Pre-Amplifier Control box, Lafayette M13421 Double Button Microphone with desk stand and 12 ft. cord.

**P15776** Complete outfit as described, less tubes and earphones. Shipping weight 60 lbs.  
**Your Cost** ..... **\$54.50**

**P15777**—Complete outfit as described, with tubes.  
**Your Cost** ..... **\$56.50**

**N13912**—Telescopic single headphones (specify quantity desired). Shipping weight 1 lb.  
**Your Cost Each** ..... **\$3.75**

**P15711**—Individual Volume Control boxes, complete with flat type plug.  
**Your Cost Each** ..... **\$3.00**

**P15710**—Special Matching Transformer. Shipping weight 5 lbs.  
**Your Cost** ..... **\$5.00**

## Lafayette D. C. Amplifier



Listen, you long suffering residents of D. C. districts: Lafayette engineers have just finished a D. C. amplifier that is a knockout: No more weak results or wasted current: The new Lafayette D. C. amplifier has an output of 5 watts, and works five or six dynamic speakers with all the "push" that has been possible to date only with A. C. amplifiers. The new type 48 (30 volt filament) tubes help do the trick. Three stages of amplification are used: a type 36 capacity coupled to a 37, this in turn feeding two 48s in push-pull. The overall gain is 90 db. This is the first D. C. amplifier that has honest-to-goodness "wallop" and we recommend it very highly. Absence of wasteful line resistors makes this amplifier extremely economical and eliminates the hazard of fire. Output impedances of 5, 15 and 500 ohms are available for loud speaker matching. This is a regular Lafayette product, built to our usual high specifications. All metal construction; chassis measures 12 3/4" long, 8 1/2" deep and 8 3/4" high.

**P15785**—Lafayette D. C. Power Amplifier, completely assembled and wired. Less tubes and loud speaker. Dimensions, 12 3/4" long, 8 1/2" deep, 8 3/4" high. Shipping weight 15 lbs. List price \$50.00

**Your Cost** ..... **\$19.50**

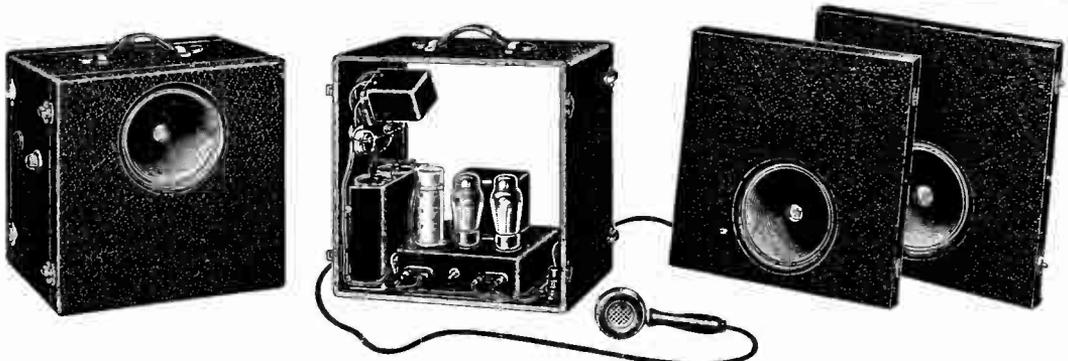
**P15786**—Complete with RCA or Arcturus tubes consisting of 1-36, 1-37, 2-48s.  
**Your Cost** ..... **\$25.75**

Lafayette

# Dual Speaker

## Portable Public Address System

**PUBLIC ADDRESS SYSTEMS**



There are many uses for a really portable public address system that a man can carry single-handed and set up in a short time. The new Lafayette Dual Speaker System fills the bill perfectly. Not only is it compact enough to carry in a train or in the rumble seat of a car, but it also is a high quality electrical instrument incorporating the newest developments in amplifier practice.

### Ingenious Construction

Almost every cubic inch of space in the strong carrying case, measuring 15" square by 10" deep, is utilized. The two sides come off and they act as baffles of two dynamic speakers mounted in them. These sides are equipped with folding feet that keep them upright when they are placed on a stage, lecture platform, show case, etc. Inside the case is a special amplifier using a type 57 tube coupled to a type 59, with an 83 supplying plate current. The output of 3-1/2 watts is enough to work the speakers to capacity. Just plug the line cord into any A. C. outlet and the outfit is ready to operate. A sensitive two-button hand microphone fits securely in a strong clip. Microphone current is furnished by dry cells in a box next to the

amplifier. A gain control on the side of the case permits smooth and quiet adjustment of the volume from a whisper to a roar. The person at the "mike" can talk in a very quiet tone and still have his words come out of the speakers like thunder.

### High Efficiency Attained

In the design of a portable amplifier every part must justify its weight by operating at maximum efficiency. Lafayette engineers have carefully gone over the entire circuit and have realized the absolute maximum from the apparatus. Sample amplifiers were subjected to the most strenuous tests and operated perfectly without failure of any kind.

**P15765**—Lafayette Dual Speaker Portable Public Address System. Dimensions 15" square, 10" deep. Shipping weight 40 lbs. List Price \$85.00

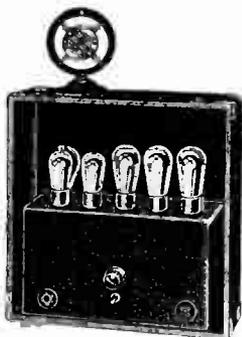
Your Cost..... **\$34.50**

**P15766**—Complete with RCA or Arcturus tubes, consisting of 1-57, 1-59, 1-83. RCA or Arcturus make. List Price \$95.00

Your Cost..... **\$37.45**

## Portable Public Address System

Made by United Sound Engineering Co.



One of the most powerful portable systems ever constructed, using a single Wright DeCoster Dynamic Speaker in one section of the split case. It incorporates three stages of amplification; type 24A tube feeding a type 27 tube and coupled into push-pull 47's, with a type 80 rectifier in a specially designed circuit giving exceptionally high gain. The output of this amplifier is 7 1/2 watts, and the gain 83 db. The current supply for the microphone is furnished from the amplifier power pack. It is fitted with a leatherette-covered carrying case and the corners are protected with metal. The size of the carrying case is 18x18x10". The outfit includes a double button microphone in desk stand, amplifier unit, control panel, loudspeaker, carrying case, cords and plugs. This amplifier is adapted for auditoriums, clubs, political gatherings and general public address work. It will cover audiences of 500 to 1000 people. Extra loudspeakers may be connected to cover larger gatherings.

**P15759**—Portable Public Address System, as described, less tubes. Shipping weight 35 lbs. List Price \$79.00

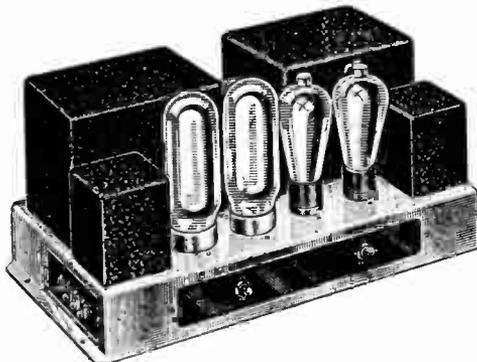
Your Cost..... **\$46.50**

**P15758**—Complete with RCA or Arcturus tubes, consisting of 1-24, 1-27, 2-47's, 1-80.

Your Cost Complete..... **\$49.95**



## Lafayette Heavy Duty 50-Watt Power Amplifier



A custom-built, carefully engineered amplifier for use where perfect reproduction is required or where extreme difficulties must be overcome. Built of the finest quality of materials and under the supervision of Lafayette engineers. Every part used in this amplifier carefully tested to conform to the highest standards. This is no factory built job; each one custom-built as carefully as was the original model.

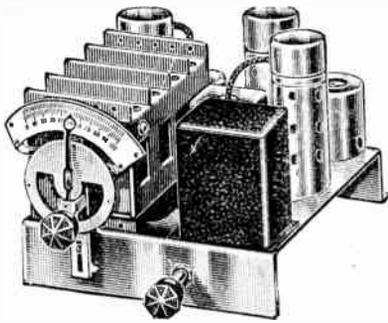
Where exceptionally high volume level is required, as at airports, baseball and football parks, in noisy factories, etc., the new Lafayette 50-watt amplifier unit will give supreme satisfaction. It uses two 50-watt of the 845 type tubes in a class "A" push-pull circuit, with two type 866 high-voltage mercury vapor rectifier in the power system. Must be operated by a "driver" of at least two stages. Perfect quality of reproduction even at maximum output. The weight of this amplifier and the heat developed by the tubes demand special precautions in mounting. With the exception of the plate clips of the rectifier tubes, all wiring is concealed beneath the steel chassis. This is a high-grade unit that can be selected with complete confidence by anyone needing an extremely powerful amplifier.

**P15770**—Lafayette 50-Watt Heavy Duty Power Amplifier, less tubes. Dimensions 18" wide, 10" deep, 9" high. Shipping weight 58 lbs. List Price \$180.00

Your Cost..... **\$105.84**

**We Will Not Knowingly Be Undersold**

# The New LAFAYETTE P.A. TUNER



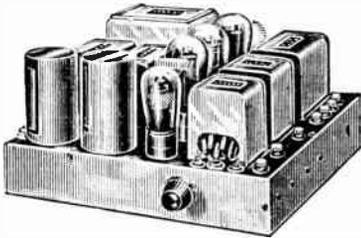
Incorporating the latest development in tubes and circuit this Tuner was designed to meet the demand for an ideal "radio pick-up" for theatres, hotels, clubs and public address power amplifier systems. While it was designed for use with the Lafayette Power Amplifier, it will give excellent performance with any good power amplifier. High Selectivity—With its four tuned circuits with approximately 10 K. C. selectivity, and

its band-pass selector there is practically a complete elimination of side band suppression, making possible the very finest tone quality, especially when used in conjunction with the Lafayette Power Amplifier. The new 68 type tubes without cross-modulation and modulation distortion, and give a wide range to the sensitivity control without affecting the tone quality or selectivity. Freedom from oscillation. Elimination of tube hiss and other background noises. Thorough shielding. The detector circuit is such that the tuner may be hooked up with any standard audio input, by connecting one lead to the grid of the first audio tube of any amplifier; type of tube does not matter. Tuner has its own filament supply, and requires 180 to 250 volt "B" supply at 25 M. A. from filtered supply of Power Amplifier. Furnished with cord and plug, and attachment leads to amplifier. Shipping weight 00 lbs.

**N13846**—Complete, less tubes. **\$16.95**  
**Your Cost**.....  
 Same equipment as above, complete with tubes. **\$19.40**  
**Your Cost**.....

## Kenyon Class B Amplifier Kit 25 Watts Output

Here is an all purpose Class "B" amplifier, has sufficient gain for use with a microphone, electric pick-up or a recording device. Has excellent tone quality over the entire frequency range. The output is greater than 20 watts. Recording laboratories, public address engineers, and experimental laboratories will welcome the universal features of this amplifier. The input transformer is designed for a low impedance dynamic microphone, a 50-ohm line or a 200- or 500-ohm double button carbon microphone. The windings on the transformer are arranged also for three 500-ohm lines simultaneously used or for three 200-ohm lines used the same way, or for a 500-ohm line and a 200-ohm line. The tubes used in this amplifier are 1-21A, impedance coupled through a 250 henry reactor to a single 46, used as a driver to two 46 tubes in the output stage. An 82 type Mercury Vapor Rectifier is used in full wave. The secondary of the output transformer has a 500-ohm winding and a 15-ohm winding. The 500-ohm winding will carry up to 10 voice coils from a line matching transformer. The 15-ohm winding will carry up to 4 voice coils in series parallel.

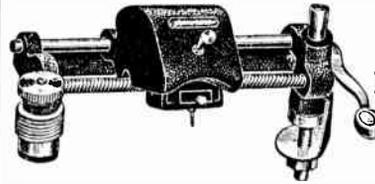


Stock No.	Part No. Shown on Diagram	Description	
	BLG	Universal Input Transformer	\$3.30
	BC3000	250 Henry Parallel Feed Reactor	2.70
	B461	Class "B" Driver Input Transformer	3.60
	B460	Class "B" Output Transformer	3.60
<b>P15850</b>	<b>B46PT</b>	Class "B" Power and Filament Transformer.	
		1140 volts C. T. at 150 mills. 2 1/2 volts at 3 amps., 2 1/2 volts at 3 amps. C. T., 2 1/2 volts at 10 amps C. T.	6.00
	BC100	10 Henry Swinging Class "B" Choke	2.40
	BC100	10 Henry Swinging Class "B" Choke	2.40

Special price for complete parts as listed above with Metal Chassis free. Shipping weight 35 lbs. **\$24.00**  
**Your Cost**.....

Complete set of Condensers, Resistors, etc., for amplifier. Shipping weight 3 lbs.  
**P15851**— **\$12.95**  
**Your Cost**.....  
 Amplifier with all parts, completely wired, ready for operation on 110 volts, 60-cycle A. C. Shipping weight 40 lbs.  
**P15852** **\$45.75**  
**Your Cost (less tubes)**.....

# Trutest SEMI-PROFESSIONAL RECORDER



**Complete Cutting Mechanism**  
**Your Cost \$18.95**

Here is your opportunity to purchase a precision recorder at an extremely low price. It is simple to operate and easy to attach. Faithfully records either voice or musical programs with fine fidelity of tone. Anyone can install this recorder to their present turntable, provided the motor of the turntable is of sufficient power for this purpose. It has been designed to operate most satisfactorily with our Lafayette DeLuxe Push-Pull 245 Amplifier, described on page 45 of this catalog; but will work as well with other amplifiers, provided they have sufficient gain for microphone pick-up.

It is the most practical Semi-Professional Recording Device for all types of recording on aluminum record blanks. It is possible to record very fine reproductions of radio programs, home entertainment, transcription programs, advertising talks, sound truck recordings, etc. Any one can install this Recorder in a few minutes, only a single 3/4" hole is required to mount it. Attach it to your present turntable, providing it has a motor of sufficient power and of constant speed for this purpose. When ready to record, press the lifting lever to the down position, you are now ready to start actual recording. The special design of this Recorder allows full size record recordings, the same length of playing time as had on the standard phonograph records. The Recorder may be operated at 78 or 33 1/2 R. P. M.

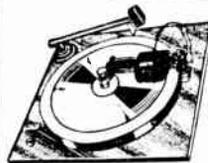
It is solely designed to be used in conjunction with a Microphone and Power Amplifier, volume to be regulated according to the requirements of the individual person. The recordings are made on a specially prepared aluminum disc and can be replayed on any standard phonograph, electric or spring motor driven. When using a high quality Microphone and Power Amplifier, the Trutest Recorder makes records that are outstanding in quality and are comparable to standard transcription recordings. This Recorder is being used by broadcast engineers, service laboratories, and dancing studios.

Especially recommended to the serviceman for making extra money, by recording advertising talks by local merchants and then reproducing through a public address system or sound truck installation. It is extremely simple to operate and records instantaneously. Records are practically free from needle scratch and background noise. In recording, no unusual volume is necessary. The amplifier can be of small output if necessary, volume can be of normal room level. A special cutting needle is suggested for quality recordings. Fibre needles are used for reproduction.

### Complete Cutting Mechanism

Consisting of center spindle, cutting head, threader, hardware and swivel arm. Shipping weight 10 lbs.

Stock No.	Impedance of Cutter	Your Cost
<b>P15877</b>	15 ohms	<b>\$18.95</b>
<b>P15878</b>	500 ohms	<b>\$18.95</b>
<b>P15879</b>	4000 ohms	<b>\$18.95</b>



### Turndtable, Recording Head, Motor and Playback Pick-up

The most reasonably priced, complete recording and reproducing outfit ever offered. It consists of complete recording and cutter head, a powerful motor of 78 R. P. M., of constant speed. Mounted on a panel, together with a high impedance play-back pick-up. This outfit is especially suitable for installations where the present turntable motor is not sufficient for recording. Only the highest quality workmanship is used throughout. Shipping weight 23 lbs.

**P15875**— **\$39.50**  
**Your Cost**.....

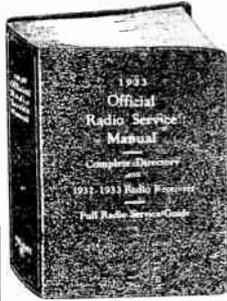
This outfit can be used in conjunction with the Amplifier listed below, and a Dynamic Speaker, to reproduce all recordings made with this Unit. This would make a complete Recording and Play-back Unit, adaptable for home, clubs, societies, stores, etc.

### Specially Designed Amplifier for Recording Purposes

We have developed a special Power Amplifier, suitable for microphone, transcription or general recordings. It has exceptionally fine quality and high gain. For further details refer to page 45.

**P15876** **\$19.75**  
**Priced at**.....

# RADIO SERVICE MENS' LIBRARY



## Gernsback's Official Radio Service Manual 1933 Edition

The new information contained in this 1933 edition of The Official Radio Service Manual is invaluable to Service Men and Engineers. In it only practical material and not complicated theory has been included. It is a marvel of simplicity in makeup; the desired information may be found easily and quickly. Many features not found in the previous editions are included. Free Question and Answer Service, which was so popular in previous editions will be maintained. Contains operating notes, actual pictorial views of standard receivers and much information

on short-wave and automobile radio. An entire section of money making suggestions for the Service Man. Over 2,000 illustrations, 709 pages; size 9x12; Flexible Looseleaf Leatherette Cover. **\$4.00**  
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## 1932 Edition (With FREE Supplements)

Flexible, Loose-leaf Leatherette Binder. Contains practically every radio diagram conceivable, including latest diagrams of testing equipment and midjet radios. **Not a single diagram which appeared in Volume 1 has been reprinted.** A coupon page entitles the owner to have his questions answered free. 1,000 pages; six supplements of 64 pages or more mailed free every 60 days to owner for one year.

Y1991 Your Cost **\$4.00**



## The Service Man's "Almanac" Rider's Manual No. 2

1,000 pages of valuable information for Service Men, Experimenters and Set Builders. Over 2,000 diagrams and charts. The most complete and authoritative volume on Radio ever published. A complete guide to the servicing of practically every known make and model of radio receiver both new and old. In addition to its wealth of technical data it contains much easy-to-understand information and hints on Trouble Shooting, Set Analyzers, Power Amplifiers, Eliminators and Power Units. Loose-leaf style; may be kept up to date by supplementary service

provided by Publisher, at nominal cost. Size 8½ x 11. Durably bound in blue fabrikoid. Shipping weight 8 lbs.  
Y19925—Volume 2. Each **\$5.00**  
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Each

## Servicing Superheterodynes

Do you know all that you should to enable you to service superhets at a profit? . . . Are you familiar with the various kinds of superheterodyne circuits? . . . Do you know the function of the individual parts of a standard superheterodyne receiver of an autodyne superhet? . . . Do you know what is meant by "image frequency"? . . . Can you adjust the Atwater-Kent "double spot" interference-eliminating system? Servicing Superheterodynes answers all of these questions and many more. It gives you all of the information you need have about superhet receivers. This book is a Best Seller. 10,000 copies have been sold within the 3 months since it was announced. 163 pages, type set, profusely illustrated, cloth bound.

Y19927—Your Cost **95¢**

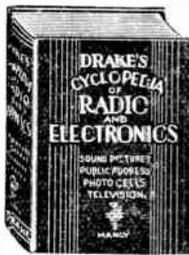
## Radio and Electronic Dictionary

By H. P. MANLY

The information every Service man needs arranged in alphabetical order for handy reference. Practical and unique. Covers Industrial Radio, Radio Service, Sound Pictures, Television and Radio Broadcasting from "A to Z." Everything explained in simple, every-day language. Contains 550 illustrations, defines 3800 terms. 300 pages. Size 6x9x1½. Bound in maroon buckram, stamped in gold. Many thousands of men in every branch of radio have felt the need of and will welcome this handy and practical dictionary. No one need be without it at our low price. Order your copy now. Shipping weight 3 lbs.



Y19939—Your Cost **\$2.19**



## Drake's Cyclopedia

New Edition. Completely revised. This valuable encyclopedia, written in easy language that even an ordinary layman can understand, contains within its covers information, on radio and all its allied lines, that no radio-minded individual or service-man can afford to be without. Gives all practical data on Radio transmitting and receiving, Sound Pictures, Public Address, Television, Photoelectric cells, etc. 1048 pages, 500 complete articles, 1100 additional definitions and references. 130 tables and graphs. All in alphabetical order and simply treated. Thoroughly covers new Superheterodynes, Short Wave Receivers and Converters and Aviation

Radio. Self indexed to make every fact easy to find. Size 9x6½x2½. Shipping weight 10 lbs.  
Y19938—Your Cost Each **\$3.92**

## Practical Radio Library by Moyer & Westrel



Three volumes by Moyer and Westrel covering every phase of radio. Uniformly bound in green buckram. They present the principles of radio so simply and clearly that any person of average training will be able to read, understand and apply them.

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Besides explaining the fundamentals, this volume includes the tuning of radio sets. 410 pages, size 7½x5½x1½. Shipping weight, 2 lbs.  
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Clearly explains the construction of Vacuum tubes, special industrial applications of vacuum tubes and specifications for vacuum tubes. 257 pages. Shipping weight 2 lbs.  
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Explains the construction and repairing of radio receivers, Television and Trouble shooting. 386 pages. Shipping weight 2 lbs.  
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### The Manual of Ultra Short Wave Radio

Contains the history of Ultra S. W. Development, articles about the Generation, Radiation and measurement of Ultra Short Waves, Quasi-Optical, and Infra Red Rays, and the Commercial application of Short Waves in Communication Work, etc. 68 pages and 120 illustration.  
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Learning the code, the converter handbook, tuned r. f. receivers and supers.  
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## Official Refrigeration Service Manual

Servicing an electric refrigerator is absurdly simple once you get the "hang" of it. In this Refrigeration Manual every part is carefully explained; diagrams are furnished of every known machine; special care given to the servicing end. The tools needed are illustrated and explained; there are trouble shooting charts, and other service data.  
OVER 1,200 DIAGRAMS; 450 pages; 9x12"; flexible looseleaf leatherette cover. Regular list price \$5.00.  
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## Radiocraft Library

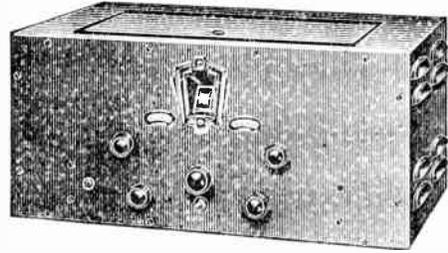
These books are all new and up-to-date; written by men who are authorities on the subject. The volumes are all uniform size 6x9" and contain 50 to 120 illustrations.  
Y19905—Radio Set Analyzers.  
Y19906—Modern Vacuum Tubes.  
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Y19912—Radio Questions and Answers.  
Y19913—Auto Radio and Servicing.  
Y19914—Home Recording and All About It.  
Y19915—How to Build and Operate Short Wave Receivers.  
Y19916—Elementary Mathematics for the Technician & Service Man.  
Y19917—Fundamental Principles of Radio.



List Price, Any Volume, 50c.  
Your Cost **39¢**  
(\* Size 7½x10")

# Hammarlund

## Hammarlund Comet "Pro" Short Wave Superhetrodyne



The Comet "Pro" is a high frequency Superhetrodyne Receiver designed to meet the exacting demands of professional operators and advanced amateurs interested in the reception of both code and voice signals in the frequency range from 20000 K. C. to a 1500 K. C., or 15 to 200 meters. In addition to being an excellent general purpose receiver it is also ideally suited for experimental and research work involving frequencies in that range where high sensitivity, low noise level, and great selectivity are important. The present model includes certain improvements made possible through use of the new "50 series" tubes and employment of the recently developed "electron coupled" type of oscillator. These major changes, plus a number of minor refinements, result in improved selectivity, even greater sensitivity and complete stability under all conditions of operation. A Pentode output tube is now used in a special circuit to provide humless reception at either loud speaker volume, or on headphones. An attractive metal cabinet of improved design is now standard equipment. This Cabinet effectively shields the entire receiver and provides the ventilation necessary for cool and efficient operation. The old type Walnut Cabinet will continue to be available as optional equipment at no additional cost. The new "Pro" retains all of the original features that made the receiver so popular, almost over-night. Among these features are the following:

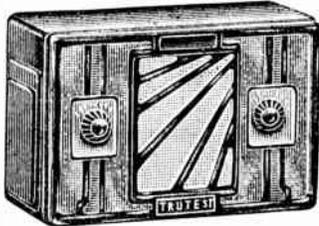
1. Sensitivity of better than  $\frac{1}{2}$  microvolt per meter. Selectivity of 1000 times at 10 K. C. off resonance. Noise level so low as to be negligible.
2. Intermediate oscillator for C. W. code reception, also valuable as a "station finder" in searching for weak phone stations.
3. Band spread tuning at all frequencies within the range of the receiver.
4. Smooth control of sensitivity; tone control for noise suppression; vernier tuning controls.
5. Isolantite coil forms, coil sockets and condenser insulation. Litz wound Intermediates. Complete shielding. Instrument type control panel.

That the "Pro" is a remarkable and unusually efficient receiver is perhaps best attested by the character of its users. To enable you to judge the "pro" on this basis the following partial list of prominent users is provided: Bell Telephone Laboratories, International Tel. & Tel. Co., National Broadcasting Co., Columbia Broadcasting System, American Radio News Service, American Airways, Eastern Air Transport Co., Northwest Airways, Transcontinental and Western Air, Inc., Canadian Signal Department, Naval Research Laboratory, Marine Signal Corps, War Department Message Center, Naval Observatory and others of equal prominence. Although designed for communications, air-port, broadcasting, police and other equally important services, the "Pro" is so easy to tune that even the novice can readily tune in stations from over the entire world for his entertainment. Operators of amateur stations, especially phone stations, praise the receiver highly for its ultra-selectivity, low noise level and its efficient band-spreading tuning system. Shipping weight 51 lbs. The "Pro" for A. C. 110 volt 60 cycle operation.

N13833—"Pro" Receiver, less tubes. List \$150.00	<b>\$88.00</b>
Your Cost .....	
N13835—"Pro" Receiver, with tubes. List \$162.55	<b>\$95.00</b>
Your Cost .....	
N13836—"Pro" Chassis, less tubes. List \$135.00	<b>\$79.38</b>
Your Cost .....	

The "Pro" for battery operation, listed below, uses four "39s", two "36s" and one "89". Shipping weight 48 lbs.

N13837—"Pro" Receiver, less tubes. List \$120.00	<b>\$70.50</b>
Your Cost .....	
N13838—"Pro" Receiver, with tubes. List \$138.60	<b>\$81.50</b>
Your Cost .....	



## Service Men — Set Builders Take Advantage of the Enormous Demand Build the Universal A. C.—D. C. Lafayette "Pal" Portable with Dynamic Speaker For Yourself For Customers For Friends

Here at last. The last word in A. C.—D. C. Portables. The set the entire country has been waiting for. A strictly Universal set, can be used wherever there is a 110-120 volt current either A. C. or D. C. An honest-to-goodness Portable Set that beats them all. It uses the latest in everything—tubes, circuits, parts.

The "Pal" employs five tubes, but takes up less space than the ordinary four tube portables. Was designed and assembled to meet the popular demand for a Receiver of this type, in Kit form. The highest efficiency has been attained throughout in sensitivity, selectivity volume and tone, due to the fact that every unit in this Kit was selected with this purpose in view.

First, it uses the newest and most powerful type tubes that could be employed, such as the latest type small envelope '43 power output pentode, as well as the 25-Z-5 Rectifier, the '43 with an amplification factor far in excess of anything yet developed in this type tube, the rectifier a new voltage doubler, doubling the input voltage, and eliminating power transformer entirely.

Then the circuit, simple but most effective and designed to obtain the maximum from every tube and part used in the set.

Lastly the parts, chosen for their quality, compactness, adaptability and efficiency. Simplicity has been the keynote throughout so much so that even a novice should be able to complete the assembly and wiring of the set in a very short time.

The set has excellent sensitivity, bringing in locals with a small antenna; distance stations with a fifty foot aerial. Selectivity is exceptional in spite of the few tuned circuits, due to improvement in coils, compact accurately matched condensers, and in part to the fact that its sensitivity is such that only a small antenna is needed. No ground is ever used on this type set, as the circuit is connected to the light line one side of which is generally grounded.

Best of all it uses a genuine dynamic speaker giving the full rich tone ordinarily obtained from large size Receivers. Volume is more than ample. Finally the "Pal" is compact in every sense of the word; can be packed in a corner of the traveling case.

All parts for the Lafayette "Pal" are included in a complete Kit which contains resistors, condensers, coils, sockets, etc., and also a drilled metal

chassis, tubes, and matched dynamic Speaker. In addition complete instructions and diagram are provided with each Kit, so that successful operation of the "Pal" is pre-assured.

Plug the "Pal" into any A. C. or D. C. 110-120 volt socket. It will work well anywhere. Shipping weight 9 lbs.

N13840—Complete Kit Lafayette "Pal" Portable. Includes all parts, drilled chassis, matched dynamic speaker, matched set of tubes, instructions and diagram.

Your Cost **\$11.95**

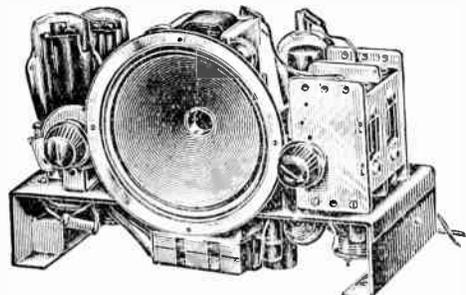
N13841—Lafayette "Pal" Kit with Speaker less tubes or Cabinet. Your Cost **\$7.95**

N13842—Special Metal Cabinet of artistic design. Your Cost **\$1.50**

N13843—Special leatherette carrying case. Your Cost **95¢**

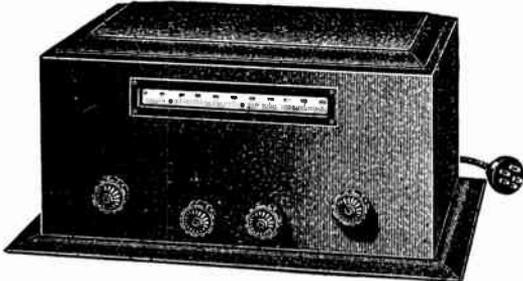
N13844—Schematic Diagram, list of parts, and complete instructions free with Kit. **25¢**

If purchased separately Your Cost



# NATIONAL S.W. RECEIVERS

## New National S.W. Receivers SW-58 and SW-34



Where utmost sensitivity, with extremely low background noise level, together with unequalled flexibility and ease of control is required, these receivers are outstandingly in a class by themselves.

### A. C. SW-58

Complete set of parts for 5 tube A. C. 58 Short-Wave Receiver using two type 58, variable-Mu Pentodes in R. F. and Detector, type 56 (or 227) first audio and two type 245 output tubes for 110 volts, 60 cycle A. C.

**N13850**—List less tubes and power supply \$79.50  
**Your Cost Each... \$46.75**

**N13851**—As above completely wired and tested.  
**Your Cost Each... \$52.63**

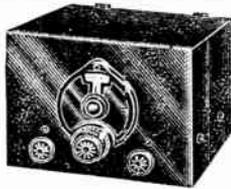
### D. C. SW-34

Complete set of parts for SW-34 for battery operation. Employs two type 234 Variable-Mu screen grid R. F. and Detector type 236 first audio and two type 231 output tubes.

**N13852**—List less batteries and tubes \$75.00  
**Your Cost... \$44.10**

**N13853**—As above, completely wired and tested.  
**Your Cost... \$49.98**

## National 3 Tube Thrill Box



The sensitivity of the SW-5 is so great that the push-pull stage is seldom, if ever, used when the receiver is being employed in amateur communication work. Same circuit, and all other essential features, as the famous SW-5, except for a more compact layout and the elimination of the last or push-pull stage. It is designed especially for aircraft, portable and amateur communication use. A highly desirable feature found only in this receiver is the calibrated volume control, which thus serves as an audibility meter. A. C. Model—Uses 2-58s and 1-27.

**N13817**—List \$35.50  
**Your Cost (less coils) \$20.88**

Complete with three sets of band spread coils for 20-40 and 80 meter bands. Coils to cover other bands may be selected from page 98. Less tubes.

**N13818**—List \$55.00  
**Your Cost \$32.34**

D. C. Model—Uses 2-36s and 1-37. May be operated from a filament transformer and "B" batteries or a filament transformer and "B" eliminator. Less tubes and coils.

**N13819**—List \$35.50  
**Your Cost \$20.88**

Complete with 3 sets band spread, coils.

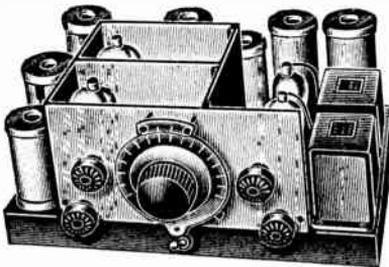
**N13820**—List \$55.00  
**Your Cost \$32.34**

## New National 5-Meter Receiver

Complete set of parts for newly designed receiver covering range 3 3/4 to 7 1/2 meters. Coils also furnished for use on amateur 20 and 30 meter phone bands. Receives ultra S. W. transmissions now on the air, including television programs, experimental airplane beacon signals (U. S. Navy), amateur phone transmitters. Extremely high signal-to-noise ratio. Single-control tuning. Volume control, sensitivity control, push-pull Pentode power output for loud-speaker operation. Made for full A. C. operation. Ready to operate.

**N13816**—List \$89.50 (less power supply)  
**Your Cost Special... \$52.63**

**N13822**—Power supply completely wired. List \$39.50  
**Your Cost... \$23.23**



## National "AGS" Communication Type S-W Receiver



The National "AGS" is a professional type Short Wave Receiver developed by National Engineers in conjunction with the Airways Division of the U. S. Department of Commerce and is guaranteed to provide the finest possible type of receiving equipment. Extremely high sensitivity and selectivity, combined with easy operation, rigid construction to maintain frequency calibration and dependability of performance are outstanding features. Nine tubes are used (4-236s, 4-237s, and 1-238) in a circuit comprising a stage of tuned R. F. and first detector using screen-grid tubes; a high frequency oscillator; two stages of extremely selective high-gain screen-grid I. F. amplification; I. F. power detector; automatic volume control working in conjunction with both R. F. and I. F. amplifiers; beat frequency oscillator and pentode output for phones or loudspeaker.

### PRINCIPAL FEATURES

Single dial (270°) straight frequency tuning. Calibration curves and station chart. Coils changed from front panel. Automatic and Manual volume control. Extremely rigid mechanical construction. Relay rack mounting (size 8 3/4 x 19"). Frequency range, 2400 to 15,000 K. C. Heterodyne oscillator for C. W. reception.

**N13856**—Completely wired and laboratory-tested with coils to cover 15000 to 2400 K. C. (less tubes).  
**Your Cost... \$161.70**

**Power Supply for AGS**  
AB. Wired Power Supply for above Receiver, on 105-120 volts, 50-60 cycle A. C.  
**Your Cost (Less Tube)... \$20.58**

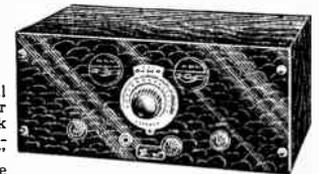
## National Power Units For A. C. S-W Reception



**N13810-5880-AB-S**—Completely wired power supply for use with the ACSW-45 and 58 Thrill Box using the '45 tubes in the output stage on 105-120 volts, 50-60 cycle current supply. Less tube.  
List \$39.50  
**Your Cost... \$23.22**

**N13812-5580-AB-S220**—Completely wired power supply for use with the ACSW-45 and 58 Thrill Box using the '45 tubes in the output stage on 220-230 volts, 50-60 cycle current supply. Less tubes.  
List \$39.50. **Your Cost... \$23.22**

## National "58C" Communication Type S-W Receiver



The popularity of the National Model SW-58 Short Wave receiver and the growing demand for rack panel types had led to the development of the NATIONAL "58C" which is essentially the same as the SW-58 in circuit detail except for its rack panel construction and an added stage of R. F. The SW-58C has two tuned circuits, uses the new 58 tubes as R. F. and detector, 227 as first audio and a pair of 245s as final audio stage. It is also available for 234, 230 and 231 tubes for air cell battery operation. A set of four coils which plug in on front of panel cover the frequency range of 2.6 megacycle to 22 megacycles while special coils are available for extend-

ing the range to include all frequencies between 150 kilocycles and 33 megacycles. Panel is black crystalline finish and dial is 270 degree, straight frequency line tuning. Aluminum case.

**N13855**—Completely wired and laboratory-tested with coils to cover 2.6 to 22 M. C.

**Net Price (less tubes)... \$83.30**

ABS. Wired Power Supply for 58-C.  
**Cost (less tube)... \$23.23**

## National Ultra High Frequency Converter



Designed particularly for use in the 56-60 MC amateur band, which is spread over approximately 100 dial divisions. All the features of first detector and oscillator of the U. H. F. Receiver described above are incorporated in this converter, with the addition of a special I. F. transformer and a low impedance output coupling tube. Suitable for use with either the six-volt D. C. or 2 1/2 volt A. C. tubes. The combination of these points results in a unit of unusual sensitivity and flexibility. Dimensions in cabinet, 9x10x7". Tubes, 2-224 or 2-236, 1-227 or 1-237.

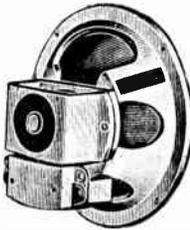
**N13861**—Type HFC-58 Converter. Complete set of parts in Metal Cabinet (less tubes). List \$39.50  
**Your Cost... \$23.22**

**We Will Not Knowingly Be Undersold**

# Magnavox

## Dynamic Speakers

Magnavox, Leaders in the Radio Reproducer field since 1911, have put the experience gained in its twenty-two years of leadership, into every speaker and part manufactured. All were developed for maximum performance in the field for which they were designed, with finest tonal response throughout the entire range—Newest models are more compact. A complete set of speakers for all purposes are included in the latest models—for "Midgets" consoles, and for auto use in both battery and eliminator type sets, as well as a line of powerful models for power amplifiers, and public address systems. Magnavox quality assures you of long life and trouble free performance.



**Model 150**  
An ideal chassis for Midget type receivers; a compact, powerful reproducer. The tone is rich, full, true and natural. Response uniform throughout the audio range. Has a 2500 ohm field. Cone dia. 6"; depth 4". Shipping weight 9 lbs.

W19325—For single or push-pull 45s.  
W19326—For single 47s.  
W19327—For push-pull 47s.  
**No. 150-X.** This model is the same as above, but has an 1800 ohm field, tapped at 300 ohms.  
W19328—For single 47s.  
List \$7.50  
**Your Cost Either Type..... \$4.40**

### Model 152

This speaker constructed of the finest grade materials, has an excellent response over the entire audio range with plenty of volume. Cone dia. 10"; depth 6 1/2". Has a 2500 ohm field. Carries 10 watts without distortion. Shipping weight 10 lbs.

W19333—For single or P-P 45s.  
W19334—For single 47s.  
W19335—For P-P 47s.  
List \$10.50 (either type)

**Your Cost Either \$6.18 Type.....**

### Model 154

Similar to but larger than the No. 150. Its size makes it suitable for all consoles. Has depth and richness of tone, with even response. Has a 2500 ohm field. Cone dia. 8"; depth 4 1/2". Handles 7 watts easily and without distortion. Shipping weight 8 lbs.

W19329—For single or P-P 45s.  
W19330—For single 47s.  
W19331—For P-P 47s.  
List \$9.50 (either type)

**Your Cost Either \$5.58 Type.....**

### "Midget" Model

This midget is the very latest, and embodies all of the high qualities of the larger sized Dynamic Speakers. It was developed to meet the demand for an extra small speaker, especially desired in compact sized "Midget" Radio Receivers. Has volume, tone and reproduction to meet the most exacting demands. With 2500 ohm field. Cone dia. 5". Shipping weight 6 lbs.

W19348—For single 45s. W19349—For single 47s.

List either type \$5.00  
**Your Cost Each..... \$2.94**

## Magnavox Permanent Magnet Dynamic Speaker



This dynamic speaker was designed as a replacement for magnetic, as well as insensitive dynamic speakers. No field excitation. Acoustic properties of the highest. Ideal for battery sets, also school and hotel installations. Overall size 10 1/8"; depth 5 1/2". Shipping weight 11 lbs.

W19323—For output of 71As and 45s.  
W19324—For output of 38s.

List \$12.50  
**Your Cost Either Type..... \$7.35**

## RCA Photophone Dynamic Speaker

Designed for use in Western Electric Sound Installations, Theatre Sound Systems, Auditoriums and Dance Studios. One of the most powerful reproducers ever built. Nothing better for public address use. A monster in size and output. It will handle an undistorted output of 15 watts. The field resistance is 1000 ohms. Voice coil impedance 8 ohms. For our large public address systems listed elsewhere in this catalog, we have highly recommended and have included in the complete systems this photophone speaker. This speaker mounted on the special baffle board will reproduce faithfully both voice and musical programs with fine fidelity of tone. Overall diameter is 15". Shipping weight 110 lbs. For D. C. field supply. No output transformer supplied.

W19203—List \$110.00  
**Your Cost Special..... \$12.50**

### For A. C. Operation—115 V. 60 Cycle

Same speaker as above, equipped with special rectifying unit, using a single 280 tube, for supplying sufficient voltage and current for operating the above speaker. This combination gives absolute humless reproduction. Shipping weight 120 lbs. 115 volt, 60 cycle.

W19204—Complete Photophone Speaker and Rectifying Unit Tube.  
**Your Cost, Special..... \$16.95**

## The New LAFAYETTE DYNAMIC SPEAKERS



These new Lafayette Dynamic Speakers, designed for maximum performance, and embodying every worth while feature used in speaker construction, are made under the direct supervision of the Magnavox engineers. Made of the highest quality materials obtainable, and subjected to every conceivable test, they are unsurpassed in tone and volume. They fully measure up in every respect to our demand for an outstanding leader in this field. The response is uniform over the entire audio range.

Has a remarkable fidelity of reproduction, with a clear rich natural tone. We unreservedly recommend them to all our customers, believing them to be the finest produced at anything near the prices quoted. They are furnished with a 2500 ohm field.

### Model "MA"

A compact little unit only 6 1/2" in diameter, 4" deep. Handles 5 watts. Shipping weight 8 lbs.

W19280—Single or P-P '45s.  
W19281—Single '47s.  
List \$8.50  
**Net..... \$3.40**

W19288—For single or P-P '46s.

W19289—For single '47s.

W19290—For P-P '47s.

List \$10.00  
**Net..... \$4.50**

### Model "MC"

The most popular size for consoles; 10 1/2" cone; 5" deep. Shipping weight 10 lbs.

W19284—Single or P-P '45s.

W19285—For single '47s.

W19286—For P-P '47s.

List \$12.50  
**Net..... \$5.50**

### Model "MB"

A slightly larger unit suitable for larger midgets and consoles. Cone 8 inches. Depth 4 1/2 inches. Shipping weight 9 lbs.

## Victor Replacement Speaker

This dynamic speaker, manufactured by Magnavox, is designed expressly for the Victor R-32, RE-45, R-52, RE-75 and other models of this type. Has the same identical characteristics, including height and depth; diameter of cone; cord and plug; field; etc. Scientifically designed for maximum volume, with full rich tone. Response uniform over entire musical range, with fidelity of reproduction. Only the highest grade of material and workmanship used; the finest grade of wire, machine wound, insuring uniformity in its coils; Cone is a superior special milled parchment, centered accurately, eliminating chattering. Ruggedly constructed. Ideal as a replacement wherever a 3000 ohm field speaker is required. Case is black finished. Overall size 9 1/4" high; 9" wide; 6 1/4" deep. Shipping weight 12 lbs.

W19391—List \$20.00

**Your Cost Each..... \$4.75**



## Best "Midget" Magnetic Speaker

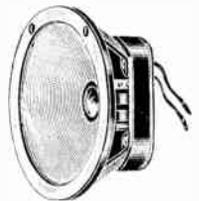
A "Midget" magnetic speaker only 5" overall, with high sensitivity and fidelity of reproduction never before obtained from a speaker of this type. Unit will handle about 1 1/2 watts and supplied to match any of the standard power tubes. 2 3/4" deep. Shipping weight 2 lbs.

W19392—  
**Your Cost..... \$2.25**

## Best "Midget" 5" Dynamic Speaker

This "Midget" dynamic speaker, only 5" overall, has a practically flat response, with good reproduction. Input transformer supplied to match any standard power tube. Supplied with 2500 ohms. In two models 2 3/4" and 2 1/4" deep. Shipping weight 2 lbs.

W19393—For P-P 71s and P-P 45s. W19394—For single 47.  
List \$5.00  
**Your Cost..... \$2.45**



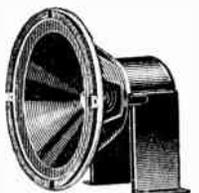
## Sparton Replacement Speaker

This brand new Sparton Replacement Dynamic Speaker, is a marked improvement over the old models used in the Sparton Receivers. It was carefully designed for maximum volume, and has a lifelike sparkling tone, rich in its fullness and depth, without stress. Its reproduction of orchestral music is amazing in its definition. The chassis is of heavy gauge metal, rigidly supporting the cone, which is of the best grade parchment. The cone is suspended with the finest quality tanned leather, and is accurately centered.

Has a field coil of 5000 ohms, making it a desirable speaker for Loftin White Amplifiers and the like, for which it is especially suitable, as well as a replacement unit for speakers of this ohmage. Cone dia. 8 3/4". Packed in sealed cartons. Shipping weight 11 lbs.

W19399—For 301-A. C., 600, 610, 620 Models.  
List \$15.00

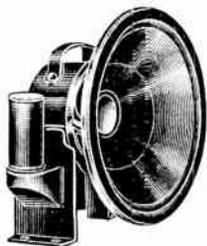
**Your Cost..... \$2.95**



# Jensen

## ELECTRO-DYNAMIC SPEAKERS

### Jensen Auditorium Models



Years of constant research and improvement in previous Jensen Auditorium Electro-Dynamic Speakers now leads to the new Auditorium Models the most progressive step ever made in electro-dynamic speaker design. In sound output these new Auditorium Speakers are 400% more efficient than the conventional type. Bass response is unusually good, without any "boom" effect. Jensen Auditorium Speakers are fully capable of handling continuously 15 watts of energy, but the sound output from 15 watts electrical input is at least three times greater than that from other speakers of equivalent cone area. Construction and performance are beyond comparison. Dimensions: Overall width, 13 $\frac{1}{8}$ " ; overall height, 13 $\frac{3}{32}$ " ; depth, 8 $\frac{1}{16}$ " . Baffle opening 12" . Shipping weight D. C. 48 lbs., A. C. 56 lbs.

#### For 110 Volts A. C.

**W19246**—For P-P 45s, 50s  
**W19197**—For P-P 46s  
 List \$67.50—Your Cost **\$39.69**

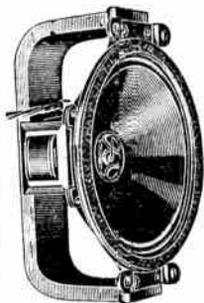
(A. C. Models use the new '82 mercury vapor rectifier, and are priced with the tube)

#### For 110 Volts D. C. 2500 Ohm Field

**W19248**—For P-P 45s, 50s  
**W19198**—For P-P 46s  
 List \$45.00. Your Cost **\$26.45**

Auditorium Models are equipped with input transformers and can be furnished to match all standard impedances.

### Jensen Permanent Magnet Speaker



A high grade Dynamic Speaker, scientifically constructed of the finest materials, requiring no field excitation. Designed and developed for use in battery receivers, auto sets, also where A. C. or D. C. current is not available. Where magnetic speakers are used and the tone is thin and flat, it will fill the requirements for Dynamic Speaker reproduction. Has a uniform response over entire audio range. The field excitation is supplied by the permanent magnet, and does not diminish in strength. Is 9 $\frac{3}{32}$ " high; 9" wide; 5 $\frac{1}{2}$ " deep. Shipping weight 11 lbs.

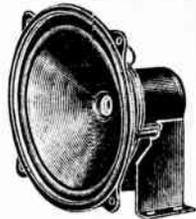
**W19234PM1**—For 45s

**W19249**—For 36s or 47s

**W19196**—For P-P 89s **\$8.82**  
 List \$15.00. Your Cost

### Jensen Auditorium, Jr.

Model D-8-G is the latest addition to the Jensen line. Is used as a monitor in theatres, or recording studio play-backs. Excellent uniformity of response. A. C. unit employs a high voltage rectifier system. Input transformer supplied for operation with type 50 or smaller type tubes. Posts are arranged so tubes connected in push-pull parallel or singly, may be properly connected. Size 11 $\frac{3}{8}$ " high; 11 $\frac{3}{8}$ " wide; 7 $\frac{1}{2}$ " deep. Shipping weight 21 lbs.



#### A. C. MODEL

**W19235**—P-P 45s or 50s.

**W19236**—P-P 47s.

**W19237**—P-P 46s.

List \$35.00 **\$21.58**

Your Cost

#### D. C. MODEL

**W19189**—P-P 45s or 50s.

**W19190**—P-P 47s.

**W19191**—P-P 46s.

List \$22.50 **\$13.20**

Your Cost

Model D-15 A. C. Of standard design this model is for 110 volts A. C. 60 cycle power supply, and with transformer suitable for push-pull 45s, 47s or single tubes. Specify type. Shipping weight 12 lbs. Overall size 10 $\frac{1}{2}$ " . Cone diameter 8 $\frac{1}{2}$ " , 4 $\frac{1}{2}$ " deep. Shipping weight 12 lbs.

**W19219**—For P-P 45s. **W19229**—For P-P 47s. List \$20.00 **\$11.76**

Your Cost

Model D-9 A. C. is an all purpose speaker used with radio set amplifier or other amplifier system. For 110 volts A. C., 60 cycle. Transformer for P-P 45s, 47s or single tubes. Specify type. Shipping weight 14 lbs. Overall size 10 $\frac{1}{2}$ " . Cone diameter 9 $\frac{1}{4}$ " , 5 $\frac{1}{2}$ " deep. Shipping weight 14 lbs.

**W19244**—For P-P 45s. **W19245**—For P-P 47s. List \$25.00 **\$14.70**

Your Cost

### Jensen Concert Model



This new Concert Model is available in four types, and was designed for the latest model radio receiving sets. Their rugged construction and high efficiency make them capable of handling high inputs with remarkably natural reproduction and tone. Their performance is fully equal if not superior to much higher priced models. Equipped with Jensen Tym-Flex Cone which can be readily removed without disassembling the entire speaker. Cone has the special centering device. The response is unusually uniform throughout. Tone is

full, rich and natural, without stressing. Available in standard design, but may also be had with any design for particular operating requirements. All these types for D. C. operation, include a 2500 ohm field coil, of the highest grade wire, machine wound, and are furnished with 18" cord. Furnished in brown finish.

#### Model D-19

Overall diameter 10". Shipping

weight 13 lbs.

**W19192**—Single or P-P 45s

**W19193**—Single or P-P 47s

List \$10.50 **\$6.15**

Your Cost

#### Model D-16

Overall diameter 8". Shipping

weight 8 lbs.

**W19238**—Single or P-P 45s

**W19239**—Single or P-P 47s

List \$9.50 **\$5.58**

Your Cost

#### Model K-2

Overall diameter 6". Shipping

weight 7 lbs.

**W19194**—Single or P-P 45s

**W19195**—Single or P-P 47s

List \$7.50 **\$4.40**

Your Cost

#### Model T-1

Overall diameter 5". Shipping

weight 6 lbs.

**W19187**—Single 45s

**W19188**—Single 47s

List \$5.00 **\$2.94**

Your Cost

### Wright DeCoster Speakers

With its operating flux of 145,000 magnetic lines in the air gap extreme sensitivity without distortion is assured. On official tests these units have handled amplifiers having an undistorted output of 25 watts without developing any rattles or showing signs of breaking down.

No finer reproducer has ever been designed for public address work than the famous Wright DeCoster. Shipping weight 45 lbs., each.

Dimensions 12" wide, 9 $\frac{1}{4}$ " deep, 12 $\frac{1}{2}$ " high. Model 267: For 115 volt, 25-50-60 cycle A. C., with output transformer.

**W19300**—List \$72.50

Your Cost

Model 208: Same as Model 207 except without output transformer.

**W19305**—List \$68.50

Your Cost

Model 205X: For 110 volt D. C., 750 ohm field. With output transformer.

**W19301**—List \$52.00

Your Cost

Model 206X: For 110 volt D. C., 750 ohm field. No output transformer

**W19306**

Your Cost

Model 215X: (10" cone). For 110 volt D. C. 750 ohm field.

**W19304**—List \$34.00

Your Cost

Model 215: (10" cone). For 220 volt D. C. 2500 ohm field. With output transformer.

**W19303**—List \$34.00. Your Cost **\$20.00**

Model 217: (10" cone). For 100-120 volt A. C., 25-50-60 cycles. With output transformer.

**W19308**—List \$50.00. Your Cost **\$29.40**



**\$42.60**

Your Cost

**\$40.18**

Your Cost

**\$30.50**

Your Cost

**\$27.64**

Your Cost

**\$20.00**

Your Cost

**\$20.00**

Your Cost

**\$29.40**

Your Cost

### Wright DeCoster Model No. 225

A small speaker which is exceptionally efficient on both the highs and the lows. Servicemen anxious to please their customers will make more of an impression substituting this Midget Speaker for any small speaker which is not giving perfect satisfaction.

This new speaker is suitable for installations in all sound and reproducing instruments used indoors. Has a standard field resistance of 2500 ohms and output transformer to match impedances listed below. Cone diameter 10". Overall size 12 $\frac{1}{2}$ " x 8 $\frac{3}{8}$ " for 110 volts D. C. Shipping weight 18 lbs.

**W19318**—For single or P-P 45s.

**W19319**—For Single 47s.

**W19320**—For P-P 47s.

List \$16.50. Your Cost



**\$9.70**

Your Cost

### Wright DeCoster "Midget"

Made especially for high quality instruments, and is consistent with Wright DeCoster high standards.

This new "Midget" Dynamic Speaker has a remarkable volume, with clear undistorted tone. It was designed to meet the demand for a small dynamic speaker, with all of the high quality characteristics of the larger sizes. The fidelity of reproduction is splendid. Cone is 4 $\frac{3}{8}$ " ; outside diameter 6 $\frac{3}{8}$ " ; depth 3 $\frac{1}{8}$ ". Is furnished with 2500 ohm field. Shipping weight 6 lbs.

**W19316**—For single 45s.

**W19317**—For single 47s or 38s.

List \$7.50

Your Cost **\$4.40**

Your Cost

Lafayette, Wright DeCoster, Magnavox and Jensen speakers can be supplied with special field coils at 25% additional cost. Input Transformers other than those supplied can be had at a 10% additional cost. These are specials and delivery will be slightly delayed.

Perfect Merchandise - Prompt Shipment - Personal Service



# Lowest Prices on Genuine RCA Speakers



## R. C. A. Victor Radio Speaker



Consists of an Electro Magnetic Speaker Chassis, selected for this unit, mounted on a Walnut two-toned Panel, which is 13 1/2" high; 11 1/2" wide and 1 1/4" deep. Has a brown metal ornamental Grille, backed with Bronze Cloth. Speaker is enclosed in heavy fibre protective covering. Cone diameter 9"; depth 5 1/4". Has a special tone filter, a special tapped impedance trans-

former, and selector switch. Controls for transformer and selector are mounted in the lower corners of the front panel. Can be used wherever a high quality Magnetic Speaker is desired. Excellent response to high and low frequencies, without stress, and with full natural reproduction; with plenty of volume. Shipping weight 10 lbs. **W19170—Your Cost Special..... \$4.95**

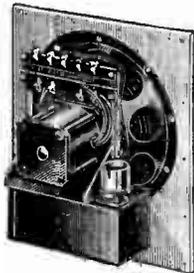
## R. C. A. 100-A Magnetic Chassis



This is the famous 100-A Magnetic Speaker Chassis, housed in a strong protective Fibre Casing, faced with an Ornamental Grill; finished in Brown. This Speaker Unit, one of the most popular of its type, consists of the Cone, Frame, Magnet, Motor Mechanism and Filter Unit. The method of mounting the complete unit provides easy access to the different parts. The simple and rugged design

of this Loudspeaker makes it practically trouble-proof, and permits easy and simple adjustments if at all necessary. Acoustically this speaker gives an excellent response to all frequencies employed in the broadcasting of both music and speech; electrically it is of the electro-magnetic type, and is provided with a special filter for eliminating high frequencies that are not in the acoustical range, which would be reproduced as noise and distortion if the filter was not used. This is a remarkable bargain at price quoted. Shipping weight 5 lbs. **W19172—Your Cost for Entire Unit..... \$2.95**

## R. C. A. 106 A.C. Dynamic Speaker Chassis Latest Model

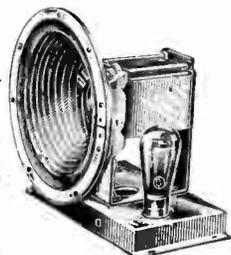


The tremendous power handling capacity of this fine reproducer makes it especially suitable for de luxe radio installations. One of the finest Dynamic Speaker assemblies.

Consists of the No. 106 Dynamic Speaker Chassis, mounted in Metal Frame 14" high, 12" wide. Cone diameter is 10", depth 6 3/4". A heavy gauge metal case is mounted to the frame below the field coil, containing Transformer, supplying the filament voltage for the type '80 rectifier, with a high voltage field winding; filter condensers; output transformer and socket for rectifier tube. Transformer is tapped and speaker can be used for

single or push-pull '71-As, 45s or 50s. An exceptionally fine Dynamic Speaker, for 110 volt, 60 cycle A. C. Has an absolute tone fidelity and a remarkably even response throughout the range of all frequencies within the audible band. Shipping weight 23 lbs. **W19171—Your Cost Less Tubes..... \$12.50**

## Victor A.C. Dynamic Chassis



One of the latest Improved Dynamic Speaker Chassis, of new type construction similar to the RCA No. 106, but with larger field. One of the most rugged chassis designed. Used for radio receiver amplifiers, power amplifiers, public address systems, etc. For 110 volt 60 cycle A. C. Designed for push pull 45s or 47s. Has tremendous volume, full tone without straining and faithful reproduction, with a practically flat response curve. Equipped with power transformer, filter condenser, etc., for its field supply, output transformer rectifier socket, cord and plug. Has a field impedance of 7500 ohms. Specify type when ordering. Overall size 11 1/2" high; 10 3/4" wide; 5 1/2" deep. Cone diameter overall 10"; inside diameter 7 1/2". Shipping weight 30 lbs. **W19175—For push-pull 45s. For push-pull 47s. Your Cost (Either Type)..... \$9.95**

## Walnut Speaker Cabinet will fit any Dynamic or Magnetic Chassis up to 10 in. Dia.



This is a high grade fine quality Walnut Speaker Cabinet, artistically and expensively designed by one of the largest cabinet manufacturers. Front frame of cabinet is of a fine walnut in a deep rich grain. The grill is in a slightly contrasting tone, with a dull finish, and is backed with

a gold bronze cloth. This is a cabinet that will materially enhance any surrounding in which it is placed. Constructed throughout of the finest selected woods, hand-rubbed and finished. This is one of the best values in cabinets at the price quoted. Sides of cabinet are reinforced. Size 16" high; 14" wide; and 10" deep. Shipping weight 10 lbs. **Y19845—Your Cost Each..... \$2.75**

## R. C. A. Radiola Speaker Filters

For Model 100-A



This special unit comprised of a filter choke and condenser, can be installed on any type of magnetic speakers. It gives that rich mellow tone, and brings out the bass notes. By substituting this filter in place of the one on Model 100-B and 103 speakers it will give you the same tone quality so well known to the Model 100A. Size is 1 1/4" high and 1 3/4" in diameter. Is equipped with two mounting brackets. RCA Part No. 1969. Shipping weight 1 lb. **W19493—Your Cost Each..... 20¢**

For Models 100-B and 103

Is very similar in appearance to the above filter, but its characteristics are to emphasize the high notes of the speaker reproduction. This unit may also be installed in place of the one in 100-A Speakers and will modify the tone and bring up the high notes. RCA Part No. 5853. Shipping weight 1 lb. **W19454—Your Cost Each..... 20¢**



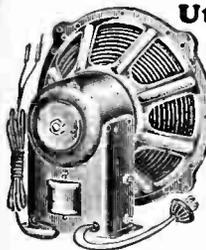
## Celotex Dynamic Speaker Baffles

This material is ideal for speaker baffles, its non-resonant quality makes it far superior to wood for the purpose. Is inexpensive and without doubt the finest sound insulator ever

developed—guaranteed to be sound-proof. On the two sizes below quoted without hole, add 50¢ to net price if hole is desired and specify size of hole. Shipping weight 2 1/2 lbs. to sq. ft.

Stock No.	Size Inches	Size of Hole	Net
Y19793	12x12	7 1/2 or 9"	\$ .30
Y19794	18x18	7 1/2 or 9"	.80
Y19795	24x24	7 1/2 or 9"	1.40
Y19796	36x36	9"	2.63
Y19797	48x48	9"	4.40
Y19798	36x72	No Hole	5.30
Y19799	48x72	No Hole	7.05

## Utah Stadium A.C. 12 1/4" Cone



This Speaker is used in Power Amplifiers, Public Address Systems, etc., using '45 or '50 type tubes. Is for 110 volt A. C., 60 cycle supply, and with transformer suitable for either single or push-pull 45s or 50s. Has 6 volt dry rectifier. Overall size 11 3/4" wide; 12 1/4" high; 7 1/2" deep. Cone diameter 10". Shipping weight 20 lbs. **W19215—For single 45s. W19298—For single 50s. Your Cost..... \$6.95**  
**W19216—For P-P 45s. W19299—For P-P 50s. Your Cost..... \$8.45**

## Stewart-Warner Dyphonic Speaker Chassis

Here, without doubt, is one of the most sensational speaker bargains ever offered in the history of radio. Stewart-Warner—a name with a history of remarkable success—offers a remarkable product at a remarkable price. This excellent speaker gives clear dynamic tone and volume, without distortion. Sturdily, compactly built. Cadmium coated against rust. Individually packed in original sealed cartons for your protection. Shipping weight 5 lbs.



**W19214—Your Cost..... \$1.95**

# Speaker Replacement Parts

## RCA Radiola Speaker Cone 106 Speaker Models 41, 62, 64, 67



An exact duplicate of the original RCA-Radiola Replacement No. 8375. Made especially for heavy duty service. Will provide tremendous volume without rattling. Voice coil impedance exactly matches that of the original. Made from the finest quality cone material.

W19559—**\$1.50**  
Your Cost, Special

RCA Photophone Speaker Cone  
W19576—**\$2.25**  
Your Cost

### Replacement Cones for Standard Speakers

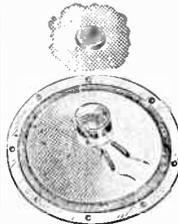
Stock No.	Set or Speaker	Outer Diam.	Your Cost
W19500	Atwater Kent 84B	8"	\$1.60
W19501	Atwater Kent 53-55-76	11"	2.70
W19502	Atwater Kent 87-89	11"	2.70
W19503	Bosch 20	10"	1.85
W19504	Bosch 31	10"	1.85
W19505	Bosch 58	10"	1.85
W19506	Bosch	11"	2.20
W19507	Brunswick Model D	9 3/4"	2.20
W19508	Brunswick Model 15	12 1/2"	2.45
W19509	Brunswick Model B	14 1/2"	2.70
W19510	Brunswick Model E	14 1/2"	2.70
W19511	Colonial Model 33	12 1/4"	2.20
W19512	Colonial Model LL 18	12 1/4"	2.20
W19513	Crosley Model 40S	9"	2.20
W19514	Edison R4, R7, R57	11 1/4"	2.20
W19515	Eveready	10"	1.85
W19516	Eveready	12 1/2"	2.20
W19517	Freel-Eiseman NR 80-95	10"	2.70
W19518	Jensen D4	9 1/2"	2.25
W19519	Jensen D7 Concert	11 1/2"	2.20
W19520	Jensen D9-D15	8 1/2"	1.50
W19521	Jensen D9, outer spider	11"	1.90
W19522	Jensen D15, inner spider	11"	1.90
W19523	Jensen D16	8"	1.60
W19524	Jensen Auditorium	13"	3.70
W19525	Magnavox	6"	2.00
W19526	Magnavox	8"	2.25
W19527	Magnavox	10"	2.25
W19528	Magnavox	12"	2.35
W19529	Majestic G10B Midget	8"	1.75
W19530	Majestic G1	9"	1.50
W19531	Majestic G2	9"	1.50
W19532	Majestic G3	11"	1.50
W19533	Majestic G5	14"	2.70
W19534	Majestic G6, G20	10"	1.50
W19535	Majestic G13	10"	1.50
W19536	Newcomb-Hawley	9"	2.20
W19537	Oxford, two-point spider	9"	1.75
W19538	Oxford, three-point spider	9"	1.75
W19539	Oxford	11"	2.00
W19540	Peerless Copper Coil	8 1/2"	1.55
W19541	Peerless Copper Coil	10 3/4"	1.90
W19542	Peerless Copper Coil	12"	2.80
W19543	Peerless Copper Coil	14 1/2"	2.80
W19544	Peerless Wire Wound	8 1/2"	1.60
W19545	Peerless Wire Wound	10 3/4"	1.60
W19546	Peerless Wire Wound	14 1/2"	2.70

W19547	Phileo 20, 21, 70, 90 large	Phileo Part No.	Your Cost
W19548-49	Phileo 65, 77, 87, 95, 96, 111, 112, 90 small	02996	.45
W19550	Phileo 86	2898-A	1.50
W19551	Phileo 511	2936-A	.45
W19552	Phileo 50, 51	02861	.36
W19553	Phileo 50, 51	02887	.39

W19554	RCA R-4, 6, 8	Outer Diam.	Your Cost
W19555	RCA 14, 18	10 1/4"	1.95
W19556	RCA 31, 36	10 1/4"	1.95
W19557	RCA 47, 48, 57	10 1/4"	1.95
W19558	RCA 104, 105	8"	1.95
W19559	RCA 106	10 1/4"	1.50
W19560	Rola Series "F"	8"	1.60
W19561	Stromberg-Carlson	9"	2.20
W19562	Stromberg-Carlson	12 1/4"	2.70
W19563	Temple	9"	2.20
W19564	Temple	11"	2.70
W19565	Temple Auditorium	14"	3.20
W19566	Utah Cub	6"	1.45
W19567	Utah Midget (1 1/2" coil)	8"	1.60
W19568	Utah Midget (1 1/2" coil)	8"	1.60
W19569	Utah	9"	1.85
W19570	Utah Stadium	12"	2.20
W19571	Victor RE 32-45	9"	.95
W19572	Wright DeCoster	10"	2.20
W19573	Wright DeCoster	12"	2.70
W19574	Zenith 50, 52	12 1/2"	2.00
W19575	Zenith LL 18	12 1/4"	2.00

## Brand New Genuine Victor Speaker Voice Coil and Cone Improved—Re-enforced

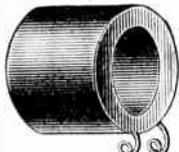
R-32, RE-45, R-52, RE-75



The genuine late improved type, the same as being used by Victor for replacement in Models R-32, RE-45, R-52 and RE-75. Has re-enforced voice coil assembly, assuring you of a dependable replacement cone. Do not accept substitutes in place of this Victor cone. Due to our large purchasing power, we are able to offer you this replacement cone at a low price. Shipping weight 4 lbs.

W19571—**\$1.95**  
Your Cost, Special

**Field Coil for Victor Speaker**  
The genuine replacement for Victor Speakers used in model receivers, R-32, R-52, RE-45 and RE-75. Can also be used in other speakers. 3,000 ohms, D. C. resistance. Size, 3 1/2" long, 3 1/2" over-all diameter. Hole, 2 1/4". Shipping weight 9 lbs.



W19476—**\$1.75**  
Your Cost

**For RCA Photophone, 104 and 105 Speakers**  
The Genuine Field Coil used in the above speakers. Can also be used in other speakers using 1000 ohms, D. C. resistance, 100 volts at 100 mils. Size, 4" long, 4 1/4" over-all diam., 2" hole diam. Shipping weight 13 lbs.

W19457—**\$1.30**  
Your Cost

## Apex—Gloriatone—U. S. Radio and Television and Montgomery-Ward Chassis 26

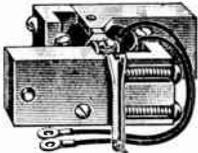
This is the genuine Utah Field Coil used in the above receivers. 11500 ohms, tapped at 9040.

Utah 7" Speaker. Shipping weight 6 lbs.

W19450—**\$1.75**  
Your Cost Each

## RCA Radiola Magnetic Speaker Motor Mechanism for Model 100 and 102

The genuine replacement unit, No. 707, complete motor mechanism, less magnet. Individually boxed. Guaranteed perfect condition. Shipping weight 5 lbs.



W19451—List \$12.65  
Your Cost, Special **\$1.25**

## For Models 100-A, 100-B, 103 Speakers

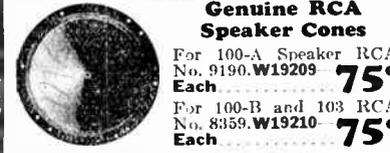
Similar in appearance to above. RCA Part No. 1964 and 5854, motor mechanism. Shipping weight 5 lbs.

W19452—List \$9.80  
Your Cost, Special **\$1.25**

## RCA Radiola Speaker Rectifiers

Part No. 5878, used in Model 62 receiver. Supplies 100 volts at 100 mils. Can also be used for the 106 A. C. speaker, or any speaker having a 1000 ohm field. Shipping weight 3 lbs. each.

W19206—**\$2.45**  
Your Cost Each  
Per Pair \$4.25



**Genuine RCA Speaker Cones**  
For 100-A Speaker RCA No. 9190. W19209 **75¢** Each  
For 100-B and 103 RCA No. 8359. W19210 **75¢** Each

## Genuine RCA-Radiola Magnetic Speaker Coils

RCA Part No. 1966, for RCA Model receivers 30-A, 50 and 51 and all centralized radio magnet speakers. The official replacement magnet coils for the RCA speakers No. 100-A, 100-B and 103. D. C. resistance of 1200 ohms. Can also be used for other speakers using this size coil. Size of each coil, 1 1/2" diameter outside, 1/4" thickness, 1/2" hole diameter.



W19212—**45¢**  
Your Cost  
Per Dozen \$5.00

## For RCA-Radiola 100 Speaker, Western Electric 540-AW RCA Models 30—Victor Combinations

The genuine replacement No. 708 magnet coils, used in many other speakers. Size, 2 1/2" diameter outside, 3/16" thickness, 3/16" hole diameter.

W19201—**45¢**  
Your Cost Each  
Per Dozen \$5.00

## Replacement Field Coils

Stock No.	Set or Speaker	Ohms	Your Cost
W19413	Atwater Kent 53-55-65	650	\$2.90
W19414	Atwater Kent 53-55-65	1750	3.20
W19415	Colonial 31-32	400	5.48
W19416	Colonial 31-32	600	5.90
W19417	Colonial 33 A. C.	2500	3.20
W19418	Colonial 33 A. C.	6000	3.20
W19419	Colonial 33 D. C.	550	2.90
W19420	Colonial 33 D. C.	900	2.90
W19421	Crosley M 45	350	2.90
W19422	Crosley M 45	1500	3.20
W19423	Crosley M 45	2500	3.20
W19424	Eveready 10"	2250	3.20
W19425	Eveready 12"	2250	3.20
W19427	Fada P	800	2.50
W19428	Jensen D4	2250	3.20
W19429	Jensen D7-D8	1500	3.80
W19430	Jensen D7-D8	2500	3.80
W19431	Jensen D9-D15	550	2.20
W19432	Jensen D9-D15	1000	2.50
W19433	Jensen D9-D15	1250	2.50
W19434	Jensen D9-D15	1650	2.90
W19435	Jensen D9-D15	1800	2.90
W19436	Jensen D9-D15	2500	3.20
W19437	Jensen D12	2300	3.20
W19438	Magnavox	1000	.97
W19439	Magnavox	1800	1.09
W19440	Magnavox	2000	1.18
W19441	Magnavox	2300	1.03
W19442	Magnavox	2500	1.09
W19443	Magnavox	3000	1.21
W19444	Magnavox	5000	1.32
W19445	Magnavox	7500	1.47
W19446	Majestic G1	2750	3.80
W19447	Majestic G2	2750	3.80
W19448	Majestic G5	1000	3.80
W19449	Newcomb-Hawley	2500	3.20
W19455	Newcomb-Hawley	7500	3.20

W19456-57	Phileo 65, 76, 77, Part No.	Ohms	Your Cost
W19458	86, 87, 95, 96, 111	2850	1.95
W19459	Phileo 20, 21	2768	.75
W19460	Phileo 50, 51, 52	02942	1.05
W19461	Phileo 70, 90	02987	1.35
W19461	Phileo 90, 112	02988	3.00

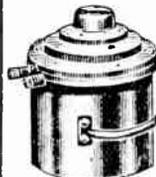
W19462	Peerless 8 1/2"-10 3/4"	Your Cost
W19463	Peerless 8 1/2"-10 3/4"	575 3.35
W19464	Peerless 12"-14 1/2"	1500 3.95
W19464	Peerless 12"-14 1/2"	1000 3.80
W19465	RCA 57	15 2.90
W19466	RCA 57	1200 3.20
W19468	RCA 106	550 3.20
W19469	RCA 106	6000 3.35
W19470	Rola Series C	250 3.35
W19471	Rola Series C	1500 3.95
W19472	Rola Series F-K	1200 1.90
W19473	Rola Series F-K	1500 1.90
W19474	Rola Series F-K	1800 1.90
W19475	Rola Series F-K	2500 1.90
W19476	Rola Series F-K	6000 1.90
W19477	Rola Series L	15 2.50
W19478	Rola Series L	2500 3.20
W19480	Sparton	5000 1.50
W19481	Stromberg-Carlson	2500 3.80
W19482	Stromberg-Carlson	7500 3.95
W19483	Temple (all models)	250 3.95
W19484	Temple (all models)	2250 4.20
W19485	Utah 9"	2250 3.20
W19486	Victor 32-45-75	3000 1.75
W19487	Zenith 52	550 3.20
W19488	Zenith 52	2500 3.80
W19489	Zenith 52(early models)	2500 3.80

We Will Not Knowingly Be Undersold

# Theatre and Public Address Equipment

## Racon Dynamic Speaker Units

### Giant Unit



A powerful Dynamic Unit especially designed for use with trumpet type horns. Handles 8 watts continuously or 25 watts peak. Has 15 ohm voice coil and requires 6-8 volts at 1.1 amps for field excitation. Has threaded collar for attaching horn or the triple connector described below.

Weight 26 lbs. Less Transformer.  
**W19265—**  
**Your Cost Each ..... \$35.25**

### Coupling Transformers

**A400—** Coupling Transformer for above unit 500 ohms impedance. **\$4.50**  
**A402—** As above 4000 ohms. **\$4.50**  
 Impedance. **Your Cost Each**

### Racon Master Unit

Similar in appearance to the above unit. Continuous operating capacity 6-8 watts, peak 25 watts. 15 ohm voice coil; 6-8 volts at 1.1 amps, field current. Weight 18 lbs.  
**W19266—** **Your Cost Less** **\$29.40**  
**Coupling Transformer**

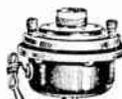
## Racon Junior

Handles 6-8 watts continuously or 20 watts peak. 15 ohm voice coil. 6-8 volts at 1.1 amps, field current.

Weight 11 lbs. Complete, Less Coupling Transformer.  
**W19267—**  
**Your Cost..... \$20.50**



## Racon Baby



Continuous operating capacity 5-7 watts; peak capacity 18 watts. Voice coil 15 ohms. Field current, 6 volts at 1 1/4 amp. Weight 9 lbs. Complete, Less Coupling Trans-

former.  
**W19268—** List \$25.00  
**Your Cost Each ..... \$14.70**

## Racon Super Giant

Particularly adapted for theatre and auditorium. 6-8 volt field excitation. 1 ampere consumption at 6 volts. 15 ohm voice coil impedance. Continuous operating capacity 8 watts. Peak load capacity 25 watts. Shipping weight 20 lbs.

**Y19754—** List \$75.00  
**Your Cost..... \$44.10**



## Bud Electro-Dynamic Unit

Here is the Unit that sets new standards in speaker performance. It represents an advance in diaphragm and voice coil construction that from a performance standpoint puts it in a class by itself. It reproduces music and speech with utmost fidelity, superb tone and perfect enunciation, without undue stressing of treble or bass. Chattering and background noises have been eliminated. This unit is the only one in which the voice coil can be replaced without factory service. A diaphragm replacement can be made in a few minutes by any operator or service man. The voice coil of the Bud unit will stand up under voltages that would paralyze or burn out coils of the older type. It is assembled or taken apart by means of one large master screw. This unit has a capacity of 25 watts on the input, not to exceed 15 volts at two amperes alternating current. Impedance of voice coil is 16 ohms. Exciting energy of field coil must be 6-8 volts at 1 1/2 amperes, which can be secured from 6-volt storage battery or an especially designed Bud dry rectifier. Specify 16 or 18 thread when ordering.



**Y19278—** List \$45.00  
**Your Cost Each ..... \$26.45**

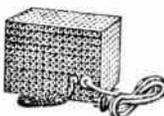
## Bud Aluminum Trumpets



This Bud Aluminum Trumpet Horn is setting entirely new standards of sound quality. It has been designed along perfect scientific lines, with the view of eliminating any feedback, and to give the full natural resonance, with freedom from muffling. Clear, bell-like, and astonishingly realistic in tone—light in weight—free from all the old dangers of exposure, humidity and atmospheric changes. It is suited for theatre, auditorium or general indoor use if directional sound and long distance coverage are desired. Extremely light weight and complete immunity from weather and atmospheric action. Radial ribs reinforcing the bell and insuring full natural resonance. Constructed in three sections for greater convenience in handling, storing and transportation.

**4 Ft. Horn with 24 In. Bell**  
 Shipping weight 10 lbs.  
**Y19756—** List \$60.00  
**Your Cost Each ..... \$35.25**

**6 Ft. Horn with 24 In. Bell**  
 Shipping weight 12 lbs.  
**Y19757—** List \$75.00  
**Your Cost Each ..... \$41.15**

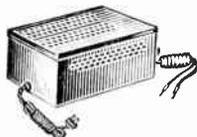


## Dynamic Field Exciters

Units for supplying proper field current to above Racon units from 110 volt A.C. supply line. Will not overheat or

hum. Shipping weight 12 lbs.  
**W19271—** For one Racon Unit.  
 List \$20.00. **Your Cost Each** **\$11.76**  
**W19272—** For 2 Racon Units.  
 List \$35.00. **Your Cost Each** **\$19.50**  
**W19273—** For 4 Racon Units.  
 List \$60.00. **Your Cost Each** **\$35.25**

## Bud Field Exciter



A substantial, heavy duty power supply for field excitation of Bud Units. Current rectification is by means of a compact and rugged by-metallic unit of standard design. Operates on 110 volts A. C. with an output of 6 to 8 volts D. C. at 4 amperes, sufficient to operate 2 Bud Units. No Hum or Overheating.

**Y19760—** List \$22.50  
**Your Cost Each ..... \$13.50**

## Racon Reproducers

Made of fabric, impregnated and hardened.



Bell 22 In. Round

They are guaranteed to withstand all climatic temperatures and moisture without effect. Light in weight and non-porous.

### 3 1/2 Ft. Trumpets

**STORMPROOF MODEL.** Equipped with metal beaded edge, cast aluminum ferrule and suspension ring. Guaranteed for 1 year. For outdoor use in all climates and weathers. Shipping weight 20 lbs.

**Y19788—** List Price \$40.00  
**Your Cost Each ..... \$23.42**

**DeLuxe MODEL.** Equipped with metal beaded edge, cast aluminum ferrule and suspension ring. For indoor or temporary outdoor use. Shipping weight 17 lbs.

**Y19789—** List Price \$25.00  
**Your Cost Each ..... \$14.70**

**REGULAR MODEL.** Equipped with metal beaded edge, metal ferrule and suspension ring. Adapted for 3/8—18 thread unit. For indoor use only. Shipping weight 17 lbs.

**Y19790—** List Price \$20.00  
**Your Cost Each ..... \$11.75**

### 6 Ft. Trumpets

Bell 30" Round

**STORMPROOF MODEL.** Equipped with metal beaded edge, cast aluminum throat and 4" suspension ring. For outdoor use in all climates and weathers. Shipping weight 35 lbs.

**Y19791—** List Price \$65.00  
**Your Cost Each ..... \$38.22**

**REGULAR MODEL.** Equipped with metal beaded edge, cast aluminum throat, and 4" suspension ring. For indoor use only. Shipping weight 31 lbs.

**Y19792—** List Price \$50.00  
**Net..... \$29.40**

## Bud Triple Adapter



Illustrating the use of the Bud Triple Adapter which permits the installation of three trumpet horns on a single unit. The adapter is of cast aluminum and brass, and is machined and threaded ready for use. Diversion angle is 100 degrees.

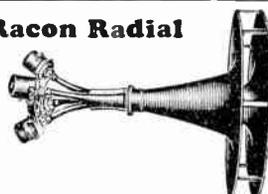
### Triple Adapter

**Y19758—** List \$17.50  
**Your Cost Each ..... \$10.30**

### Dual Adapter

**Y19759—** List \$13.50  
**Your Cost Each ..... \$8.00**

## Racon Radial



Particularly adapted for use on trucks, tower equipment, churches, amusement parks and public address use, where a circumferential coverage is desired. Horn is equivalent to a bank of twelve 6-foot trumpets, and covers so perfectly, there are no dead spots. Equipped with cast aluminum throat, cold rolled steel suspension brackets, reinforced edge. Stormproof. Demountable. Size 43" wide; 50" high. Shipping weight 45 lbs., without units and brackets.

**Y19762—** Radial Horn only. Stormproof.  
 List \$275.00

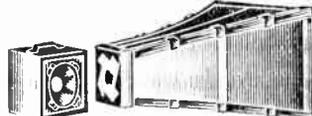
**Your Cost ..... \$161.70**

**Y19763—** Radial Horn complete, with four Master Units, and Coupling Transformer.  
 List \$495.00

**Your Cost ..... \$291.06**

**Y19764—** Radial Horn complete, with four Super (Giant) Units, and Coupling Transformer.  
 List \$595.00

**Your Cost ..... \$349.86**



## Wright-Decoster Dynamic Horns

Combination exponential horn and speaker covering for Dynamic Speakers is made of a non-resonant material that greatly improves volume. Both covered with black waterproof material. Length 48". Bell 23x22". Shipping weight 71 lbs.

**Y19782—** List Price \$38.00  
**Your Cost Each ..... \$27.50**

**HORN No. 10.** As above with flare at both sides instead of at bottom. Size 30x21 1/2". Length 48". Shipping weight 71 lbs.

**Y19783—** List \$38.00  
**Your Cost ..... \$27.50**

## Racon Triple Connector

For connecting three 3 1/2 ft. trumpets to one Unit. For use in airplane and public address installations where great coverage must be realized from a single unit. Brass with threaded collars 7/8x18" for horns and unit. Dispersion angle 90 degrees. Shipping weight 6 lbs.

**Y19274—** List Price \$20.00  
**Your Cost Each ..... \$11.75**



# Duall SUPER RECORDER

With this remarkable device, it is now possible to make those perfect recordings, on aluminium, composition or celluloid blanks. No finer Recorder has ever been offered on the radio market before. Truly a professional model, custom built to exacting standards, at a price that you would expect to pay for a home recorder that is nothing but a plaything. Servicemen should profit from an item of this nature, people are naturally curious and will gladly pay to hear their voices come over on their own phonograph combinations.



A money-maker for those that can solicit their neighborhood stores, making advertising recordings of their products and then reproducing through a public address system to several thousands persons.

Some of the features of this precision Super Recorder are worm and wormgear liberally dimensioned to withstand long wear. Feedscrew  $\frac{5}{8}$ " in diameter, runs on hardened pivots and is interchangeable. Inside-out feedscrews furnished if desired. Positive feed giving uniform spacing, no overlapping lines. Feed mechanism supplied with cutterhead for aluminum, or aluminum and celluloid. Cast parts attractively finished in black crackle. Other parts heavily chromium plated. Equipped with Professional Type Recorder with a perfectly balanced high impedance pickup for play-back. Cutterhead is 15 ohms impedance. Playback pickup 5000 ohms. Turntable and Motor Assembly mounted on a 16x16" panel of  $\frac{1}{8}$ " laminated board, walnut or mahogany finish. Overall depth 10". A specially adapted motor of constant speed, 1 20 H. P. 78 RPM. under all load conditions is provided. Motor has more than sufficient torque for aluminum and celluloid recordings, and will not slow down on periphery of turntable. A special rim drive designed and developed which together with motor suspension make this entire Assembly run noiseless and without vibration. Maintenance of constant speed during recording and reproduction is notable. The Standard Assembly consisting of turntable and feed mechanism is built for 80 line recording on 12" diameter records. Feed outside-in. Driving pins near center of turntable are provided for celluloid recording, and can be removed when recording on aluminum. Complete assembly, Professional Recorder, 15 ohms impedance, with 5000 ohm play-back pick-up for aluminum recording. 115 volt, 50-60 cycle motor. Shipping weight 30 lbs.

**Y19889—List \$275.00**  
**Your Cost, Special**

Same equipment as above, except furnished with a Two Speed Drive Motor for 78 and 33 $\frac{1}{3}$  RPM. Complete. Shipping weight 34 lbs.

**Y19890**

**Your Cost.....**

**\$119.50**

**\$150.00**

## 16-Inch Turntable and Motor Assembly

For recording long continuous programs on one blank, we have developed a special 16" Turntable and Motor Assembly of the following specifications: Panel 20 x 20 x  $\frac{3}{8}$ " laminated board, walnut or mahogany finish. Extra heavy 16 $\frac{1}{2}$ " turntable driven by a 1/20 H. P. motor with our special rim drive assuring constant speed. Assemblies provided with either 78 or 33 $\frac{1}{3}$  RPM. drives as desired. The recorder is provided with an 80 line feed screw; inside-out or outside-in feeds are furnished. A combination celluloid or aluminum cutting head is provided with this outfit. When ordering, specify RPM, and type of feed required. 15 ohm impedance cutter head. 5000 ohm impedance playback pick-up. Shipping weight 45 lbs.

**Y19886—**

**Your Cost**.....  
Extra feed screw for any desired number of threads. Shipping weight 3 lbs.

**Y19887—**

**Your Cost Each**.....  
Same equipment as above, except furnished with a Two Speed Drive Motor for 78 and 33 $\frac{1}{3}$  RPM. Shipping weight 52 lbs.

**Y19888—**

**Your Cost**.....

**\$168.00**

**\$12.00**

**\$199.50**

## Double Turntable Assembly

For recording continuous radio programs, duplication of recorded programs or transcribing of records we build a Double Turntable Assembly of the following specifications: Panel 16x32x $\frac{1}{8}$ " laminated board. 2 Turntable Assemblies, 2 motors, 2 recorders and 2 playback pick-ups are provided. Each unit operates individually. Speeds of both motors are carefully adjusted so that both turntables operate with utmost uniformity. Shipping weight 68 lbs.

**Y19885—**

**Your Cost**.....

**\$235.00**

## Overhead Feed Mechanism To Attach to Your Present Turntable

We offer this device for those who desire to attach this Unit to their own turntable. Has an adjustment for proper alignment. A Motor of constant speed and rating of 1/20 H. P. minimum is recommended for this unit; be sure there is sufficient power in your motor to operate it. Turntable should be flat, with about  $\frac{3}{8}$ " felt covering, and securely fastened to motor shaft. Is furnished with supporting bracket for resting unit, when swung off turntable. Equipped with 15 ohm impedance cutter head, and 5000 ohms impedance play-back pick-up. Shipping weight 12 lbs.

**Y19891—List**

**Your Cost**.....

**Y19892—List**

**Your Cost**.....

## Dual Speed CAPEHART Automatic Record Changer

This dual speed 33 $\frac{1}{3}$  and 78 RPM. Automatic Record Changer, is the most practical device for continuous playing of the Victor 10 or 12" recordings, or any other compositions, or aluminium records. Plays both old type and New Victor Long Playing records. Equipped with the New balanced electrical pick-up, noted for fine tone quality, and absence of needle scratch. An excellent device for the Home, public address systems, theatre, ballroom, etc. For local advertising using either aluminium or composition recordings of your own, the Automatic Record Changer has no equal. Using ten long playing Victor records, you can listen to four hours of music without a stop. Completely automatic, last record repeats until re-stacked or when master switch is turned off.

An enclosure may be had of any record. Additional equipment includes a reject device and unloading lever. Can be mounted in your own cabinet, or in our DeLuxe Cabinet, made expressly for the accommodation of this mechanism. Radio Receiver Power Pack and Speaker can also be installed in this cabinet. Base 14 $\frac{1}{2}$ x14 $\frac{1}{2}$ ". Height above mounting board, 7 $\frac{1}{2}$ "; depth below 3 $\frac{1}{8}$ ". Shipping weight 30 lbs.

**S17750—Mechanism complete, less cabinet.**

**Your Cost**.....**\$45.00**

**S17749—Mechanism complete, with cabinet.**

**Your Cost**.....**\$92.50**

**Special Pick-up Matching Transformers, 5 terminal,**

makes it possible to match the pick-up impedance

with most radio sets and amplifiers. Shipping weight

6 lbs. **A403—**

**Your Cost**.....**\$4.75**

**Your Cost**.....

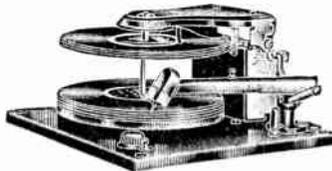
**Your Cost**.....

**Your Cost**.....

**Your Cost**.....

**Your Cost**.....

**Your Cost**.....



## Dual Speed Adapter Plays Both the NEW and OLD Type Records 33 $\frac{1}{3}$ and 78 RPM.



Attach this to your present phonograph motor and enjoy the new long playing and the regular old style records. Fits all makes of phonographs. Just lift off your present turntable and drop this adapter on in its place. By merely pressing a lever you play either type of record, 33 $\frac{1}{3}$  the long playing record, 12 to 25 minutes of uninterrupted musical entertainment, or the 78 RPM. old style records. Disc is 12" in diameter, will accommodate all types of records. Shipping weight 7 lbs.

**Y19893—List \$6.00**

**Your Cost**.....

**\$3.95**

**\$3.95**

**\$3.95**

**\$3.95**

**\$3.95**

**\$3.95**

**\$3.95**

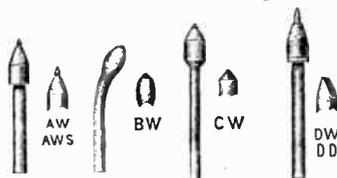
**\$3.95**

**\$3.95**

**Replacement Part Headquarters for Dealers and Service Men**

# PHONO MOTORS and ACCESSORIES

## Genuine Sapphire Reproducing and Cutting Needles



Genuine Sapphire is used exclusively. It is one of the most durable minerals known today. The scientists' table rates the hardness of the sapphire at 90%, only ten points less than that of the diamond. By hardness we mean the resistance a substance offers to abrasion or scratching, and this is most important when applied to minerals, for durability is measured by proportional hardness. Thus, the Genuine Sapphire, finds itself the only rival to a diamond. If the needle is not dropped or used on a rough surface, it will prove to have a very long and durable life.

Type AW is used for cutting (grooving) and recording on Blank Aluminum Discs. It will work on practically all commercial recording machines as well as home made equipment.

**A192—Your Cost** ..... **\$2.25**

Type AWS is a modified AW with point and angle made especially to cut on ERAYDO metal and on Aluminum where lighter weight cutters or lower powered motors are used.

**A193—Your Cost** ..... **\$2.75**

Type BW needle is made for recording and reproducing on PRE-GROOVED materials, such as the Victor type black composition home recording discs or pre-grooved celluloid. It will also make a satisfactory recording on pre-grooved aluminum discs.

**A194—Your Cost** ..... **\$2.50**

Type CW will reproduce regular commercial records such as Victor, Columbia, Brunswick, etc., also electrical transcriptions when all above are made to play at the rate of 78 revolutions per minute.

**A195—Your Cost** ..... **\$1.75**

Type DW for cutting, grooving and recording on Celluloid. This needle does not push away the material but cuts out a fine thread of celluloid while recording.

**A196—Your Cost** ..... **\$4.00**

Type DD, Special DIAMOND NEEDLE for Celluloid, used for professional recording.

**A197—Your Cost** ..... **\$15.00**

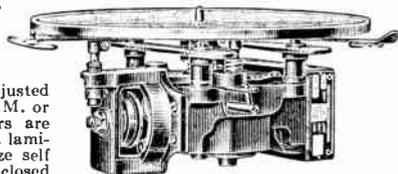
Type AD, Genuine Diamond Needle for cutting and recording on blank Aluminum Discs. Used in Professional Recording Studios.

**A189—Your Cost** ..... **\$6.95**

We guarantee all Sapphire Needles against any defects as they are tested and inspected before shipment. Used extensively by recording studios, laboratories, universities, language schools etc.

## New "Green-Flyer" Governor Controlled Two Speed Motor

**33 1/3 or 78 R.P.M. for A.C.  
or D.C. Operation**



A new induction type motor that may be adjusted for either old style recordings at 78 R. P. M. or the new 33 1/3 R. P. M. records. Gears are completely enclosed and run in oil. Silent laminated Bakelite spiral cut gears. Over-size self lubricating bearings. Will not overheat in closed cabinets. 10" turntable. Has dial and pointed needle indicator. Hardware nickel plates. Automatic stop available at slight extra cost. Shipping weight 15 lbs.

**A100—Two Speed Motor for 105-120 volt, 50-60 cycle A. C. current.**  
**Your Cost** ..... **\$8.75**

**A102—Single Speed, 78 R. P. M. Motor.**  
**Your Cost** ..... **\$6.95**

### Direct Current Motors for 110 Volts

**A101—Two Speed Motor same as our No. A100, but for D. C. current.**  
**Your Cost** ..... **\$14.25**

**A103—Single Speed, 78 R. P. M. Motor same as our No. A102, but for D. C. current.**  
**Your Cost** ..... **\$11.95**

If 12" Turntable is desired for any of the above motor, add 40c to net price and so specify.

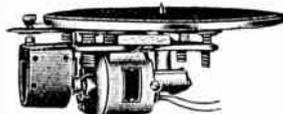
### Special Recording Motor Dual Speed

This motor is specially constructed and is preferred for recording. Similar specifications to the above 2-Speed Model except that field and rotor are 1/2" longer and that the motor is much more powerful. Complete with 12" turntable. Shipping weight 15 lbs.

**A120—For 105-120 volt, 50-60 cycle A. C.**  
**Your Cost** ..... **\$11.95**

**A121—For 110 volt D. C. operation.**  
**Your Cost** ..... **\$17.50**

## Bodine Motors



The Bodine RC-12 is a motor of greater power and quicker acceleration.

For 78 R.P.M. The new totally-enclosed reduction gear has fewer parts and is more compact and efficient than the famous RC-10. Many other new refinements combine to make it one of the finest motors of its type. For use on A. C. 110 volt line only. Shpg. wt. 13 lbs.

**A108—List Price \$25.00**  
**Your Cost** ..... **\$7.50**

## Needle Cups



Stately bronze finish.  
Diameter 1 1/4".

**A130—Open Type** ..... **5c**

**Per Dozen** ..... **50c**

**A131—Closed Type** ..... **7c**

**Each** ..... **7c**

**Per Dozen** ..... **75c**

## Pick-Up Volume Controls



Made for use with phono pick-ups, power amplifiers and "mike" hook-ups. Completely controls volume. 24" phone cord.

**G8399—List Price \$2.50.**

**Your Cost** ..... **90c**

## Aluminum Record Blanks for Recording

The records are aluminum discs and will faithfully record the voice of any person, music or sounds of any type. They can be used to record on both sides and when played with the proper bamboo needles are practically indestructible.



Stock No.	Size	Your Cost Each
A200	6"	12c
A201	8"	18c
A202	10"	30c
A203	12"	45c

## Pre-Grooved Aluminum Records

Stock No.	Size	Your Cost Each
A204	6"	18c
A205	8"	30c
A206	10"	45c
A207	12"	59c

## Edison Phono Needles

The best made. Steel. Medium, Loud or Extra Loud. Fifty to the package.

**A190—Net per Package** ..... **6c**

**10 Packages for** ..... **55c**

Also in metal enamel display stand, holds 60 packages; 2 dozen Extra Loud, 1 dozen Medium and 2 dozen Loud; each package containing 50 needles.

**A191—Your Cost Special** ..... **\$2.95**

## Recording Needles

A special designed Steel Needle, for cutting or grooving and recording on aluminum records.

**A210—Your Cost Package of 3** ..... **15c**

## Reproducing Needles

Bamboo needle for playback on aluminum or composition records.

**A211—Your Cost Package of 5** ..... **20c**

## Automatic Stop for Phono Motors

For Electric Phono Motors. Adjustable to operate at any point on record. Arm automatically trips switch which cuts off current to motor. Works with any type tone arm.



**A135—Your Cost Each** ..... **75c**

## B. M. S. Microphones

### Studio Model

### Junior Model

These are real Microphones for Home Broadcasting—not Toys. Easily attached to your Radio Receiver. On the Junior you simply press a button to cut out the Radio Program and cut in the Microphone, and release it to bring back the program. On the Studio Model this is accomplished by a sliding contact switch. Amusing and mystifying—a riot of fun at home gatherings, parties, club affairs, etc. In fact can be used wherever there is a radio set installed. Make your own personal announcements and joshings come right out of the Loudspeaker in the middle of a chain Broadcast; impersonate your favorite radio Stars and Announcers. Is quick and easily attached to any radio set. Does not need to be disconnected from the set, as it does not interfere with the broadcasting in any way. External parts thoroughly insulated; bronze finished case. Complete instructions are enclosed in each. Shipping weight 2 lbs.



**M13379—Junior Model.**  
**Your Cost Each** ..... **45c**

**M13380—Studio Model.**  
**Your Cost Each** ..... **59c**



# PHONO PICK-UPS and ACCESSORIES

## RCA Photophone Oil Damped Reproducer with Special Scratch Filter



This R.C.A. Photophone Reproducer Arm and Pick-up Head, furnished with a special Scratch Filter, is one of the finest units of this type for sound equipment, public address

work, talking pictures, broadcasting stations and large installations where the finest quality of reproduction is required. This unit is suitable for either 33 1/3 or 78 R.P.M. recordings. Plays records up to 16" and has a regular mounting shaft 3/4" long, set in a double adjustable balancing frame. An overall length of 15" counter balance set to permit exact reproducing pressure on the record. This pick-up has been rightly named the finest of electrical pick-ups. 20 ohm impedance. Shipping weight 10 lbs. **A160** **Your Cost** ..... **\$24.50**

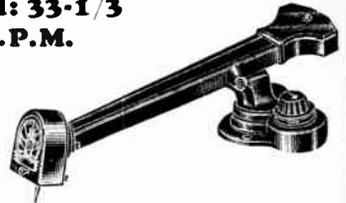
## RCA-VICTOR-Two Speed-Balanced Pick-up



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

The RCA-Victor Inertia Type Pick-up, perfectly balanced to give remarkable tone quality over the entire frequency range. With suitable balancing weight for reproducing the 33 1/3 and 78 r.p.m. recordings. An excellent pick-up for Public Address systems and Theatre installations. This type pick-up was the original equipment on Victor Combinations and RCA Electrola T-5. 200 ohms imp. Shipping weight 7 lbs. **A140** **Your Cost, Special** ..... **\$6.95**

## New Improved Lafayette Pick-up Dual Speed: 33-1/3 or 78 R.P.M.



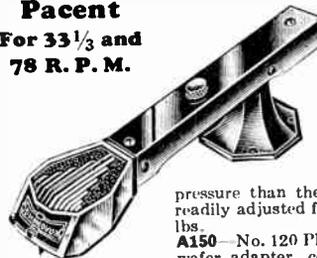
Designed to meet the needs for playing both 33 1/3 and 78 R. P. M. records with the same pick-up. In tonal quality, in range covered, in simplicity of installation and in ease of operation, the New Lafayette electric pick-up is vastly superior to all existing forms of phonograph electric pick-up devices. A scientifically developed instrument which reproduces with absolute fidelity the intricate chromatic elements of the most difficult musical compositions. Unique in that it is rubber damped providing absolutely clear reproduction free from the customary pick-up noises. Many exclusive features have been incorporated into the manufacture of the Lafayette Super-Pick-up, no effort having been spared in its preparation. Available in 2500 or 5000 ohms impedance. Special impedances to order at special prices on request. Specify type when ordering. Shipping weight 5 lbs. **A138**—Complete with Volume Control. **Your Cost Each** ..... **\$6.25**

## Lafayette Professional Jr.

Has same general characteristics as above pick-up. Plays only 16" records. Specify high or low impedance. Shipping weight 6 lbs. **A137** **Your Cost Complete, with Volume Control** ..... **\$9.75**

## Pacent

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



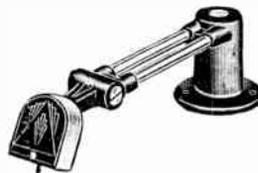
## Phono-vox

The Pacent Phonovox has met every requirement for the proper reproduction of standard 78 R. P. M. and the new 33 1/3 R. P. M. recordings. The New Phonovox is equipped with a thumb screw which adjusts the needle pressure from zero to five ounces, due to the new records requiring much less pressure than the old ones. The pick-up can be readily adjusted for either type. Shipping weight 5 lbs. **A150**—No. 120 Phonovox. Complete with adapter, wafer adapter, combination Volume Control and radio-record switch. List **\$13.50**

**Your Cost Each**.....

**A150**—No. 160 Phonovox with 16" tone arm for playing the larger records. Equipped as described above. List Price **\$16.00** **Your Cost Each**..... **\$9.40**

## Audak Model 30 Pick-up



Fortunate purchase enables us to offer celebrated Audak No. 30 Pick-up at fraction of former price. Quality proven by performance. Limited supply; take advantage of offer. Less volume control. Shipping weight 5 lbs. **A145**—List Price **\$21.50** **Your Cost Only**..... **\$3.75**

**A144**

**Your Cost, Less Volume Control**.....

**\$4.75**

## Winchester Dual Speed Pick-up

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

One of the finest instruments of its kind. Bakelite throughout; highly polished. Noted for fidelity of tone. Angle Tone Arm with Ball Bearing Tracking. Equipped with thumb screw which adjusts the pressure of pick-up on record. Rotating head makes for rapid needle change. It works into the grid of tube. By replacing the old style 78 r.p.m. pick-up, with this New Winchester you will be able to play the new long playing records. Shipping weight 3 lbs. **A141** **Your Special Cost**..... **\$4.75**



## Trutest Scratch Filter



Practically eliminates the irritating, annoying and objectionable scratching caused by the friction of the needle, by filtering this out. It improves the tone quality by a clearer rendition of the record played, almost as it was originally recorded, eliminating background noises. Equipped with phone tip jacks for the input side to the pick-up, and also with binding posts on the output side to the amplifier, or to the radio phonograph jack. Shipping weight 3 lbs. **A118** **Your Cost, Special**..... **\$2.25**



## RCA-Victor-Brunswick Low Impedance Pick-up Head

Used on all the early model combinations of the RCA-Radiola, Victor, Brunswick, etc. Cobalt steel permanent magnet, and is housed in a bronze finished brass case. Lifelike fidelity of tone; frequency response exceptionally good. Special Victor connection plug. Shpg. wt. 1 lb. **A172**—**Your Cost**..... **\$1.70**

**High Impedance Pick-up Head** This pick-up head is identical to the above one in appearance, with the exception that the case is finished in a rich dull gold lacquer. It has a D. C. resistance of 900 ohms, and an impedance of 3300 ohms. **A173**—**Your Cost**..... **\$1.70**



## Victor Pick-up Head

**Models RE-45 and RE-75**

The Genuine replacement pick-up Head, No. 60250, used on the above Victor Combinations. Impedance 200 ohms. Individually boxed. Guaranteed in perfect condition. Shipping weight 2 lbs. **A177**—List **\$20.00** **Your Cost, Special**..... **\$2.60**

## RCA-RADIOLA PICK-UP HEAD Models 67 and 47.

The Genuine RCA Pick-up Head, used on Model 67 Combination. Special design for this model. Impedance 200 ohms. No. 2601. Shipping weight 2 lbs. **A178**—List **\$12.30** **Your Cost, Special**..... **\$3.50**

## RCA Pick-up with Volume Control



This RCA Reproducer is offered to the public at an exceptionally low price. Is mounted on a round metal base. The volume control is built into the metal base; gives smooth and silent operation. Has a 200 ohm impedance. Supplied with 10 ft. double cord. Can be used as a replacement, where an inexpensive, yet good pick-up is needed. Shipping weight 8 lbs. **A159** **Your Cost**..... **\$4.50**

## RCA Victor Magnetic Pick-up Heads



This is the same magnetic pick-up head as is used on all late model receivers of RCA-Radiola, Graybar, RCA-Victor, General Electric, RCA Photophone, etc. Low impedance of approximately twenty ohms. Straight neck type. **A170**—Brown finish. **\$2.15** **Your Cost**..... **\$2.15**

## RCA-Victor Pick-up Coils

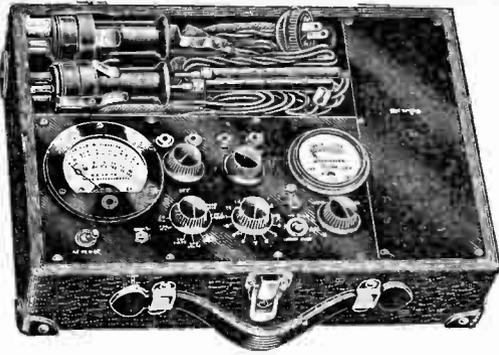


These replacement magnet pick-up coils for all models of RCA-Victor, General Electric, Westinghouse, Graybar, etc. Size 1 1/2 x 1 1/2 x 1 1/2. Hole is 3/8 x 3/8. **A174**—RCA No. 2255—3300 ohms Impedance. **A175**—RCA No. 2641—200 ohms Impedance. **A176**—RCA No. 2254—3300 ohms Impedance. Any Type **Your Cost**..... **25¢**

**We Will Not Knowingly Be Undersold**

# Readrite

**No. 1000**



**With Removable Cover**

**A New Resistance, Continuity and Capacity Tester. For Set Analyzing, Testing Voltages, Milliamperes, Resistance and Capacity.**

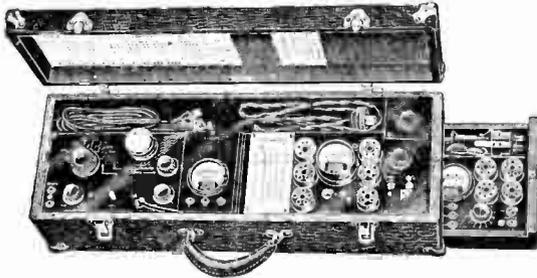
This new tester embodies in one instrument the very latest methods for immediate location of trouble in radio receivers, without removing the chassis from cabinet. This outfit analyzes the radio circuit from set socket, giving resistances, continuities, capacities and short-circuits. Two high quality direct reading meters are provided. They are calibrated as follows: D. C. Meter— $3\frac{1}{2}$ " division lower scale, 0-300-600 volts and 0-30-300 M. A. Upper Scale, 0-5000 ohms, 0-3 megohms. A. C. Meter—Calibrated for 120 volts 60 cycle, reads in mfd's. Lower Scale, .008-25 mfd's. Upper Scale, 1-10 mfd's. Also for line voltage. For testing resistances, two 22 $\frac{1}{2}$  volt batteries and one small flashlight battery are contained in battery compartment. A rheostat is provided to obtain calibrating voltage of A. C. meter. For testing resistance voltage dividers, series resistors, transformer primaries and secondaries, filter chokes, speaker fields, capacities of paper and mica condensers of various tube circuits; through the set-socket, two plug-in cables and separate circuits are provided. Individual tests, separate from plug connections, for all of the above, can also be made through jacks provided. Set trouble a located quickly and easily with this outfit. Strong, portable case, covered with fabricoid. Cover removable and separate battery compartment panel. Shipping weight 13 lbs.

**K11015—List Price \$55.00  
Your Cost Each**

**\$32.34**

**\$32.34**

## NEW READRITE COMBINATION SETS



**No. 576**

A combination of the No. 406 Tube Tester, the No. 710 Circuit Analyzer and the No. 550 Oscillator. An oscillator is now an important part of every up-to-date serviceman's equipment. The same applies to tube-testers. Testing tubes, aligning tuning condensers of T. R. F. sets and tuning condensers and intermediates of superheterodynes, testing receiver circuit, including capacities and resistances, all these necessary operations can be performed, quickly, easily and accurately. The Oscillator and Tube Tester are on one panel with the Set Tester in a drawer underneath. Closing the case automatically locks the drawer in place. Case size 22 $\frac{3}{4}$ x6 $\frac{1}{2}$ x8 $\frac{1}{2}$  inches high. Shipping weight 21 lbs.

**K11009—List \$85.00. Your Cost Each**

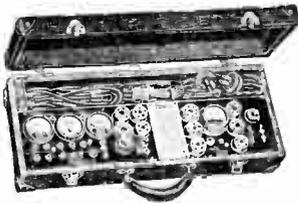
**\$49.98**

**No. 577**

Same as No. 576 but with No. 407 Tube and Short Tester instead of the No. 406.

**K11010—List \$90.00. Your Cost**

**\$52.92**



**No. 406-710**

Consists of No. 406 and No. 710 combined in a single leatherette covered case, size 21x14x7 $\frac{1}{2}$  inches. A handy instrument for analyzing set circuits and accurately testing tubes. Shipping weight 14 lbs. List \$50.00

**K11011—List \$50.00  
Your Cost**

**\$29.40**

**No. 407-710**

This combination provides combination Tube and Short Tester with Set Analyzer. Case same appearance and size as Nos. 406-710.

**K11012—List \$55.00**

**Your Cost**

**\$32.34**

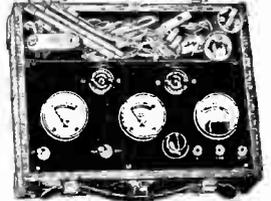
## Household Utility Tester

**Readrite Model 900**

Here is an instrument that every well equipped service station and serviceman should possess. The wide awake service station and serviceman should always be on the outlook for new avenues for profit and increased usefulness to the customer. Let the customer know that you are in a position to help him when his refrigerator, household appliance, etc., gets out of order. You can be the handyman for the home. This instrument is designed for servicing electrically operated refrigerators, ironing machines, water pumps, oil burners, stokers, ventilating systems, ranges and general appliances. Input and output outlets with connecting cords, plugs and clips for measuring volts and amperes. A. C. Ammeter reading up to 20 amps. A. C. Voltmeter reading up to 300 volts and a complete direct reading Ohmmeter 0-40, 0-10000 ohms for continuity testing. Leatherette case 10 $\frac{3}{4}$ x9x3 $\frac{1}{2}$ ". Complete with removable cover. Shipping weight 15 lbs.

**K11018—List \$22.50. Your Cost**

**\$13.23**



**No. 610**

This tester contains the same equipment as the No. 710. The panel and all equipment are in a separable tray which sets in the top of an extra large leatherette carrying case which is equipped with a lock. Has space 6 $\frac{1}{2}$ x13 $\frac{3}{4}$ x1 $\frac{1}{2}$  inches deep for carrying tubes, tools, etc. Test equipment and panel is removable and may be used as a complete test panel for shop use. Case size 14 $\frac{1}{2}$ x7 $\frac{1}{2}$ x7 $\frac{1}{2}$  inches. Shipping weight 10 lbs.

**K11013—List \$30.00**

**Your Cost Each**

**\$17.64**



## 406—Tube Tester

Equipped with six and seven prong sockets for testing new type tubes. Tests all tubes without adapters. Connects to A. C. supply line. Has illuminated dial. Ideal for dealer's counter use. Easy to operate. A separate button provides for testing both plate of '80 tubes. Meter protected by fuse. A push button provides two plate readings for determining the conductance and worth of a tube. Size 10 $\frac{3}{4}$ x7x4 $\frac{1}{4}$  inches. 60 cycle A. C. Shipping weight 7 lbs.

**K11000—Model 406. List \$25.00. Your Cost**

**\$14.70**



## Model 407

Same as Model 406 except that it also provides a complete short test for tubes. All shorts, gas, and leakage tests are made with tube heated under operating conditions. Same socket is used for tube worth and short tests. For 60 cycle A. C.

**K11002—List Price \$30.00. Your Cost**

**\$17.64**

Models 406 and 407 for 25 cycle A. C. at \$1.47 additional.

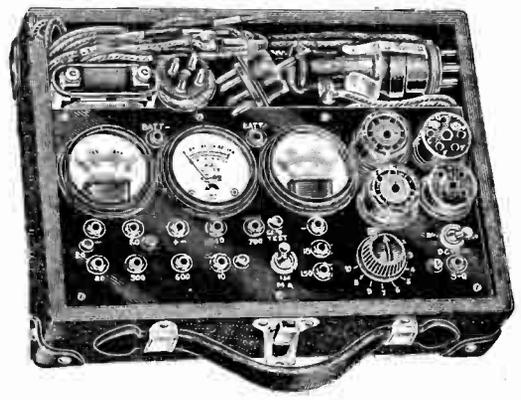
**FREIGHT ALLOWANCE NOT ALLOWED ON READRITE INSTRUMENTS**

**WHOLESALE RADIO SERVICE CO., INC. - 100 Sixth Ave., New York**

# Readrite

**NO. 710**

## Set Analyzer and Tube Tester



**Complete with Removable Cover**

This three meter tester is equipped with a practical selector switch for checking all parts of tube circuits by connecting to set sockets. Tests plate, grid, cathode, suppressor grid and screen grid quickly and accurately. Plate volts, line and power super volts are also measured. The grid swing test for tubes is used. Just push one button for the screen grid tubes and another for the other type tubes. The battery is used for continuity testing of transformers, chokes, etc. Capacity and resistance charts are furnished, showing use of instrument for testing condensers and measuring resistances up to 100000 ohms. The nine scale readings may be used separately with the jack terminals provided.

Scale readings are: 0-20-60-300-600 D. C. volts, 0-10-140-700 A. C. volts and 0-15-150 M. A. Contains new wiring with 6-hole and 7-hole sockets. Tests new type tubes as well as old types. Housed in a strong case with a leatherette covering. Attractive. Compact. Complete. Fills every need for radio set testing. Size 10 3/4 x 3 1/2 x 8 7/8". Removable cover. Shipping weight 7 lbs.  
**K11026—List \$25.00**  
**Your Cost.....\$14.70**

**\$14.70**

### Readrite Direct Reading Ohmmeter Model 500



Mounted in seamless steel cases 4 ins. in diameter. Model 500 provides direct readings of ohmages up to 10,000 and D. C. volts up to 4.5. Model 502 furnishes readings to 10,000 ohms on one scale and up to 40 ohms on

second scale, for voice coils and shorted turns of IF transformers. Both are complete with a small 3 cell flashlight battery and leads. Shipping weight, 2 lbs.

**K11020—List \$6.00**  
**Your Cost.....\$3.53**

**Model 502**  
**K11005—List \$7.00**  
**Your Cost.....\$4.12**

### Readrite Resistance Meter Model 501



No. 501. The same meter as that used in the No. 550 instrument. Has flange for panel mounting. A thoroughly reliable instrument at a popular price. Requires 3 small flashlight cells, which with resistance to be measured are connected in series with meter. Used for testing resistance in radio sets and circuits generally. Fine for continuity tests. Extreme diameter, 2 3/4 ins. Shipping weight, 1 lb.

**K11006—List \$2.50**  
**Your Cost, Each.....\$1.47**

**503 Resistor. 1150 ohms, with jack terminals. For use with 22.5 volt battery to increase reading of No. 500 Ohmmeter to 60,000 ohms.**

**K11165—List Price \$1.50**  
**Your Cost.....88¢**

### Readrite Capacity Model

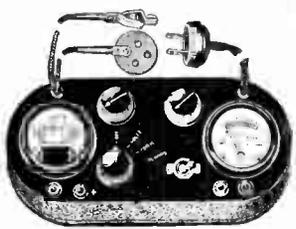


**Model 800**  
 No. 800. This efficient capacity meter, which should be part of the equipment of every service man, is used for testing paper condensers only. The A. C. meter reads directly in microfarads .008 to 10. Two scales, upper, .008 to .25; lower, .1 to 10 mfd. Contains rheostat, switch, test leads, and plug for A. C. 60 cycle connection. In a seamless metal case 4 1/2" in diameter, baked enamel finish. Full instructions and charts are furnished for testing from 10 to 400 henrys, and resistances of from 40 to 100000 ohms. Shipping weight 2 lbs.

**K11022—List \$8.00**  
**Your Cost.....\$4.70**

### Readrite Capacity Tester No. 850

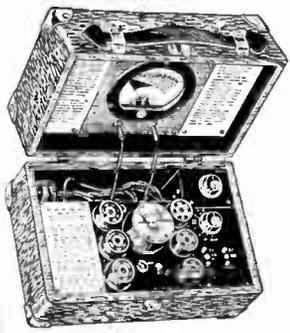
A new instrument for testing Electrolytic and Paper Type Condensers. Has two meters: an A. C. meter calibrated in microfarads—double scale .008 to 10 mfd. and an A. C. meter which connects to 60 cycle A. C. supply line and is adjusted to 100 volts. Leaky and faulty Electrolytic Condensers are easily tested with this instrument. Tip jacks provide for test leads when testing condensers independent of receiving set. Seamless metal case. A very convenient and practical instrument. Instructions supplied. Shipping weight, 3 lbs.



**K11031—Without Cover.....\$8.82**

**K11032—With Cover.....\$10.00**  
**List \$17.00. Your Cost.....**

### Counter and Portable Direct Reading Tube Checker



#### Readrite Model 443

A tube tester customers can read. For store and field testing. Contains large 4 1/2" precision meter mounted in panel in case cover. Visible at right angle when cover is open. Meter scales cover all new and old type tubes, indicating red for poor, yellow for doubtful and blue for good tubes. Rheostat and A. C. voltmeter are incorporated for controlling line voltage. Two tube charts in cover of case show the worth of tubes under test. Shipping weight, 1 1/2 lbs. For 60 cycle.

**J11019—List \$55.00**  
**Your Cost.....\$32.34**

### Test Oscillator No. 550



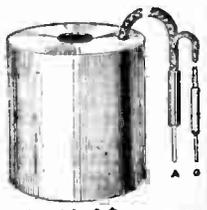
A completely shielded, self modulated Oscillator. Covers entire broadcast and intermediate bands. Tuning dial direct reading for 120-185 and 550-1500 KC. Sharp second and third harmonics cover intermediates. Test lead wires and break-in adapter are supplied when equipped with output meter. Direct reading dial has large swing and widely spaced scale divisions. Rotating switch has position for Broadcast and Intermediates. Attenuator control tube and battery compartments separately shielded. Calibration controlled by trimmer. Oscillation carefully calibrated at factory. Very compact and strong. Size, 6 x 12 x 5 ins. Licensed under A. T. & T. patents. Shipping weight, 11 lbs.

**K11029—Less Panel Output Meter. List \$30.00. Your Cost.....\$17.64**

**K11030—Complete with Panel Output Meter. List \$35.00. Your Cost.....\$20.58**

### Readrite Exploring Coil

Designed for Servicemen's use in localizing r.f. trouble. The preferred use is in conjunction with a signal supplied by an oscillator, which is inducted into the grid of the tube when the Exploring Coil is placed around the tube. Trouble is traced by eliminating parts of the circuit where it is found that the induced signal from the Exploring Coil is satisfactory. In the Superheterodyne circuit this coil is used also for peaking the intermediates. When used with an output meter the amount of gain may be determined by bringing to resonance the parts of a r.f. circuit. Full directions furnished. Shipping weight, 1 lb.



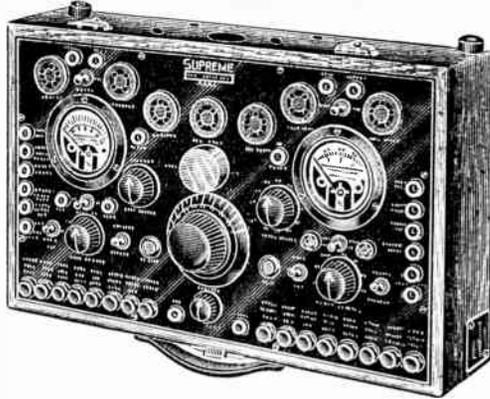
**K11033—Your Cost.....\$2.05**

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

# New 1933 Supreme AAA1 Diagnometer

**Analyzer Tube  
Tester Shielded  
Oscillator Ohmmeter  
Megometer and  
Capacity Tester**

**\$144.50**



Tests 4, 5, 6 and 7 Prong Tubes—without use of adapters. Analyzer circuit consists of a universal A. C.-D. C. multimeter of the copper oxide rectifier type with a tandem selector switch and a D. C. milliammeter which is always connected in the plate circuit. This provides readings of circuits and tubes under analysis without manipulation of switches. Provision is made for testing old style battery sets as well as the newest A. C. sets. Tube Checker circuit includes five tube testing sockets with necessary switches for testing all types of tubes including pentode and variable mu. Another valuable feature of the Diagonometer is the completely shielded and attenuated oscillator which is designed for tuning over a range of approximately 90 to 1500 kilocycles. Frequencies higher than 1500 K. C. can be calibrated when desired by means of harmonics. Suitable for all r. f. and i. f. adjustments. For resistance measurements the Diagonometer is equipped to determine resistances up to 500,000 ohms and 0-5 megohms. A Capacitor Tester for

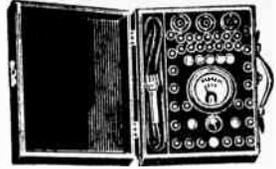
testing condensers from approximately .002 to 10 mfd. is also provided.

### YOU NEED THE AAA1 DIAGNOMETER

Nothing else is needed for the modern service department and when you go out on a service call your complete service department goes with you in one compact instrument. All necessary accessories are included for use with the Diagonometer, including analyzer plug, cable, power supply plug and an 85 page booklet of radio data. Hardwood carrying case 6 7/8 x 11 1/4 x 18 3/4". Shipping weight 35 lbs. **K10950—Your Cost Each \$144.50**

## Supreme 56

Designed for all standard 4, 5, 6 and 7 pin tubes and associated radio circuits, and is provided with facilities for accurately



and directly indicating resistance values up to 500,000 ohms. The Model 56 enables the extension of circuits which normally terminate at a radio tube socket, to corresponding terminals of sockets located on the Analyzer panel, with facilities for measuring the electrical resistances, potentials, and currents of various circuits. The basic elements include (1) a snap-catch analyzing plug connected with (2) cabled conductors to the terminals of (3) sockets paralleled on the Analyzer panel, with (4) necessary terminals for connecting (5) the universal meter across or in series with the cabled circuits for determining resistance, potential and current. The analyzing plug used has a standard 7-pin base, with a snap-catch for engaging with all new radio socket testers. A single universal meter of the copper oxide type is used. Six alternating and direct potential measuring ranges, 0/3, 0/9, 0/30, 0/90, 0/300, and 0/900 volts and five alternating and direct current measuring ranges, 0/3, 0/9, 0/30, 0/90, and 0/300 milliamperes. Three ranges, 0/3.2, 0/32, 0/320 are also provided for external d. c. potential measurements, with a sensitivity of 2,500 ohms per volt. With ordinary 60 cycle power supply capacity measurements may be made between .002 and 7 mfd. Shipping weight 10 lbs. **K10952—**

**Dealer's Cost, Each \$55.00**

## Jewel 444A Analyzer

Pattern 444 is a 2-meter analyzer for every type radio receiver and for testing full wave rectifier, variable mu, output pentode, pentodes having a direct connected fifth element, and the new six prong type tubes.

A. C. and D. C. circuit tests are controlled by separate rotary selector switches. In addition to set socket tests, twenty-four ranges are available at pin jacks—for external testing. Among these are three output meter ranges and three resistance ranges.

The instrument ranges are: A. C. Meter—0-4-8 amperes, 0-100 M. A. and 0-4-8-160-400-800 volts; D. C. Meter—0-2-60-120 M. A., 0-6-12-30-60-120-300-600 volts, 0-1,000-10,000-100,000 ohms and low-medium-high output ranges.

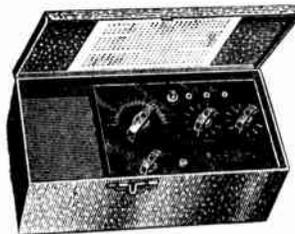
Accessories supplied: Test leads with insulated prods and molded pin-plugs, test leads with clips for speaker voice coil leads and molded pin-plugs, line plug and cord with molded pin-plugs and an adapter for output measurements at tube socket, instruction book. Dimensions: 12 1/2 x 12 x 4 1/2". Approximate weight 12 lbs.

**J10259—List Price \$117.50**

**Your Cost Each \$86.25**

## Jewel Test Oscillator Model 563

This instrument combines every Oscillator feature necessary for servicing modern radio receivers and Jewel dependability at a very low price. Output adjustable to any frequency in the broadcast band from 550 to 1500 KC and in the two intermediate bands of 125 to 185 KC and 175 to 450 KC. Completely shielded. Operates from self-contained batteries, carried in the case. Output continuously variable from zero to maximum. A separate high output is



provided for neutralizing. Single control adjusts output frequency. Three position switch allows instant change to any of the three frequency bands. Calibration curve for each wave band carried in cover. Filament rheostat and tapped "A" battery provides proper filament voltage at all times. Trimmer adjustment permits spotting at any much used intermediate frequency at a convenient point on the dial. Handsomely finished metal carrying case with space left for Jewel pattern 559 Output Meter.

**J10251—Jewel 563 Test Oscillator completely equipped with shielded output lead, calibration curve, instruction chart, type 30 tube and all necessary batteries. Less Output Meter. Shipping weight, 9 lbs.**

**List Price \$47.50. Your Cost Each**

**\$34.90**

## Jewel 559 Output Meter

Allows the relative output of a receiver to be determined visually. Consists of a Jewel 2 1/2 inch D. C. instrument in a full wave copper-oxide rectifier circuit, housed in a molded Bakelite case equipped with a non-shatterable glass scale cover. Furnished complete with long test leads and an adapter. Shipping weight, 3 lbs.

**J10252—Jewel pattern 559 Output Meter.**

**List Price \$20.00. Your Cost**

**\$14.70**

## Supreme Tube Tester Model 40

Tests all type tubes, including 6 and 7-prong, without adapters. Provides for filament or heater potentials of 1.5, 2.0, 2.5, 3.3, 5.0, 6.3 and 7.5 volts to any of the five sockets on the panel—a very flexible arrangement. A "grid shift" test of all amplifiers is provided with a



biasing arrangement automatically determined by the plate current load of the tube under test, so that the controlling grid biasing potential may be observed on the meter. Incorporates a gas test for amplifiers, a cathode-heater short test for heater types, and test both plates of full wave rectifiers. A large 3 1/2" D'Arsonval type meter in a full bakelite case is employed, using two scales, 80/80 milliamperes, both accurately calibrated. Everything that could be desired in a high class, efficient tube tester—and at a price that fits the pocketbook. Shipping weight 11 lbs.

**K10953—"Not Portable"**

**Your Cost Each \$29.40**

**K10954—Portable Type (illus.) \$32.94**

**Your Cost Each**

## Jewel Rotary Switches

These switches are supplied as 12, 24 or 36 point switches and can be made in any number of decks desired. Each deck constitutes a rotary member and a set of stationary contacts. The switch is supplied for a standard panel thickness of 3/4". Bar handle is included with switch. Has double wiping contacts; of phosphor bronze. Made of a special bakelite with high insulating properties. Used universally in general radio work. Some of its uses are for changing wavelengths; multiple connections in meters; forming various combinations of circuits and parts, etc. Maximum shipping weight 4 lbs.



**J10335—2-deck, 12-point. Your Cost \$ 2.83**

**J10336—2-deck, 12-point. Your Cost. 3.82**

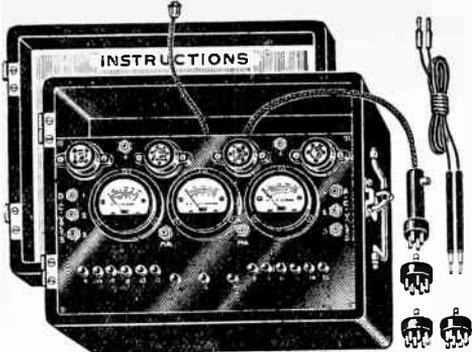
**J10337—3-deck, 12-point. Your Cost. 5.80**

**J10338—2-deck, 24-point. Your Cost. 5.15**

**J10339—3-deck, 24-point. Your Cost. 6.98**

**J10340—5-deck, 24-point. Your Cost. 10.66**

Other combinations can be had on special order.



### "Macklyn" Set Analyzer and Tube Tester

This combination set analyzer and tube tester is truly the "Last Word" in testing equipment. In its design you will find all the good points hitherto reserved for analyzers of considerably higher price and the absence of those objectionable qualities that demand complicated adjustments. The "Macklyn" makes every test with an accuracy that can be depended upon and a simplicity that saves time and money. Every imaginable reading is made by the mere pressing of buttons. There are no complicated and delicate switches to loosen with wear, miss contact or short circuit. The meters used are of new design and the volt-meter is high resistance. Both D. C. meters have a zero adjustment and pointers are well damped. The three meters used have scale readings of 0-10-100-600 volts D. C., 0-20-100 D. C. Milliampere and 0-8-150 volts A. C. Measures: Plate Voltage, Plate Current-Screen Grid Voltage, Screen Grid Current, Suppressor Grid Voltage, Suppressor Grid Current, Grid Voltage, Line Voltage, Tests for Continuity, checks Resistances and tests and measures capacities. Tests every tube using 4, 5, 6 or 7 prong base. Gives grid test on all heater type tubes. The Alden narrow plug is supplied with three Alden lock-on Adapters. This is a very important feature as only the costly analyzers use this plug, the only one that will fit into small or narrow spaces found in midjet sets. The case is of walnut, beautifully finished and the cover is removable. Complete instructions are furnished with each instrument. Size: 11x9 1/2 x 3 3/8". Shipping weight 6 lbs.

**J10510—List Price \$35.00. Your Cost \$20.58**



### Preston Set Analyzer and Tube Tester

Designed for instant and simple operation. All circuit and tube tests can be quickly and accurately made. No rotary switches are used, and each particular test has its own individual push button, thus eliminating confusion and waste of time common in ordinary switch arrangements. Before leaving the laboratory, this instrument has been approved, not only by engineers but also a group of impartial servicemen who demanded efficiency in operation. Three meters are used with scale readings of 0-10-100-600 volts D. C., 0-10-150 volts, A. C., and 0-20-100 milliamperes. Pin jacks are provided for external readings from the D. C. meters. This instrument is ideal for testing voltages of plate, grid, screen grid and cathode, as well as plate current, filament voltages and line voltage. Has continuity test for set circuits, choke and transformer windings, etc. The design is such that resistance measurements and capacity measurements can be quickly taken and a calibrated chart showing meter readings in both ohms and microfarads is provided for mounting inside the cover of the instrument. Included in the most complete equipment is a seven conductor cable and long plug, three adapters, screen grid connectors, continuity leads with prods and detailed instructions for every imaginable test. The panel is of Bakelite, engraved for each push button and pin jack. Leatherette case 10x7 3/4 x 3 1/8" in size. Cover is not removable. Shipping weight 4 lbs.

**J10495—List Price \$25.00. Your Cost \$13.95**

### Build this low price Hickok High Range Volt-ohmmeter



An instrument for checking resistance values, D. C. voltages and continuity of circuits. No serviceman or service shop should be without a high range volt-ohmmeter; it is necessary in the servicing of present day sets and super-het. Circuits; high resistance values to determine, high voltages to measure. This unit when constructed according to simple instructions furnished should prove of vast importance to every serviceman. Simplicity of operation. This accurate volt-ohmmeter is pre-calibrated. Anyone can assemble the parts in an hour, without any worry about calibration. Large size meter, 3 1/2" body diameter, 4 1/4" flange; Bakelite case, 1333 ohms per volt resistance. Knife-edge pointer assures ease and accuracy of reading. Resistance values, from 1 to 1000000 ohms. D. C. voltages, 0/3/30/300/600 volts. Voltage adjuster to calibrate meter to batteries.

- LIST OF PARTS**
- 1 Hickok Meter.
  - 1 Change-over Switch. 3 Burgess C Batteries.
  - 5 Accurate Wire Wound Resistances.
  - 1 Potentiometer for Battery Adjustment.
  - 1 Set of Diagrams and Instructions.
- Every part used in this instrument is as accurate as the parts used in the complete Hickok testing systems. The complete kit includes all parts except case. Shipping weight 6 lbs.
- K11174—Your Cost \$18.00**
- K11173—Factory Wired \$23.00**
- Your Cost**

### Weston 563 D. C. Circuit Tester

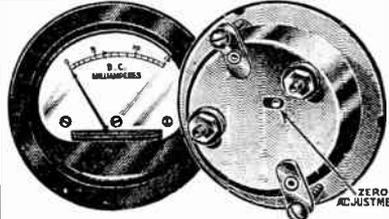


An instrument for checking resistance values and continuity of circuits. Consists of a model 301 meter, having two resistance ranges—5000 and 50000 ohms—mounted in a black bakelite case. Has a toggle switch for range selection. 50" test leads included. Self-contained battery. Dimensions: 3 3/4 x 3 1/2 x 2 1/8". Shipping weight: 3 lbs.

**J10555—Weston 563 Circuit Tester. List Price \$21.00. Your Cost Each \$15.49**

from the D. C. meters. This instrument is ideal for testing voltages of plate, grid, screen grid and cathode, as well as plate current, filament voltages and line voltage. Has continuity test for set circuits, choke and transformer windings, etc. The design is such that resistance measurements and capacity measurements can be quickly taken and a calibrated chart showing meter readings in both ohms and microfarads is provided for mounting inside the cover of the instrument. Included in the most complete equipment is a seven conductor cable and long plug, three adapters, screen grid connectors, continuity leads with prods and detailed instructions for every imaginable test. The panel is of Bakelite, engraved for each push button and pin jack. Leatherette case 10x7 3/4 x 3 1/8" in size. Cover is not removable. Shipping weight 4 lbs.

## The Latest Development in Vane Type Meters. D. C. Meters with Zero Adjustment



Every improvement and advantage that goes to make up a quality product has been incorporated in these instruments. Made by and for craftsmen to whom "precision" is a watchword. The magnets are large and made of chrome steel. Wide scales make for easy reading and long pointers come to rest immediately due to excellent damping of these instruments. Only D. C. meters have zero adjustment. Meters of 300 volts or more have an external resistor and each voltmeter has 200 ohms per volt. All meters have a wide flange and are finished in dull black. Over all dimensions, 2 5/8"; Panel Hole, 2 1/8".

ately due to excellent damping of these instruments. Only D. C. meters have zero adjustment. Meters of 300 volts or more have an external resistor and each voltmeter has 200 ohms per volt. All meters have a wide flange and are finished in dull black. Over all dimensions, 2 5/8"; Panel Hole, 2 1/8".

**D. C. Voltmeters**

Resistance	200 Ohms per Volt			
Stock No.	Volts	List Price	Your Cost	
J10511	0-10	\$1.00	\$0.58	
J10512	0-50	1.50	.88	
J10513	0-150	3.00	1.75	
J10514	0-300	4.00	2.35	
J10515	0-8-160	3.00	1.75	
J10516	0-24-100	2.50	1.47	
J10517	0-64-300	4.00	2.35	
J10518	0-14-100-600	5.00	2.94	

**D. C. Ammeters**

Stock No.	Amps.	List Price	Your Cost
J10520	0-3	\$1.00	\$0.58
J10521	0-10	1.00	.58
J10522	10-0-10	1.00	.58

**Preston Pocket Meters**

**ACCURATE AND RELIABLE**

There is a universal need for high quality pocket meters. The same care has been taken in the design and assembly of these meters as in those of the panel type. The long pointer is very sensitive and comes to rest immediately. Nickel plated case. Large dial face with clearly marked numerals. Size of case: 2x3/4". Shipping weight 1 lb.

**Preston "Plug in" A. C. Meters**

Here is a meter that should prove indispensable to the electrician and serviceman. Very accurate and ruggedly built of the highest quality materials, carefully designed and assembled. Invaluable for reading line voltage. As the prongs are arranged very much like that of an attachment plug this meter can be quickly inserted in any base receptacle or lamp socket, and the voltage instantly read. 0-150 volts, A. C., Nickel Plated.

**D. C. Milliammeters**

Stock No.	Milliamps.	List Price	Your Cost
J10520	0-5	\$2.00	\$1.18
J10521	0-10	1.50	.88
J10522	0-15	1.00	.58
J10523	0-25	1.00	.58
J10524	0-100	1.00	.58
J10525	0-150	1.00	.58
J10526	0-250	1.00	.58
J11527	0-20-100	1.50	.88

**Preston A. C. Type Meters**

**A. C. VOLTMETERS**

Stock No.	Volts	List Price	Your Cost
J10535	0-15	\$2.00	\$1.17
J10536	0-150	2.75	1.60
J10537	0-8-150	3.00	1.75

**A. C. Milliammeters**

Stock No.	Milliamps.	List Price	Your Cost
J10538	0-15	\$2.00	\$1.17
J10539	0-50	2.00	1.17

Preston A. C. type meters do not come equipped with zero adjustment.

**Pocket Meters**

**Accurate and Reliable**

Stock No.	Ranges	List Price	Your Cost
J10501	0-35 Amp	\$0.75	\$0.44
J10499	0-50V	.80	.47
J10502	10V, 50 Amp	1.00	.58
J10503	50V, 50 Amp	1.00	.58

est quality materials, carefully designed and assembled. Invaluable for reading line voltage. As the prongs are arranged very much like that of an attachment plug this meter can be quickly inserted in any base receptacle or lamp socket, and the voltage instantly read. 0-150 volts, A. C., Nickel Plated.

**J10501—List \$2.50. Your Cost \$1.47**

# Franklin Portable Tube Checker

Model H-33



The ultra modern in portable tube testing equipment. Tests all tubes announced to date including the 83, 85 and 89. Provision has also been made for testing the 6.3 volt series of six-prong tubes and the 2.5 and 6.3 volt series of seven-prong tubes without the use of adapters of any kind, or any changes in circuit wiring.

In all Franklin tube testing equipment the plate, grid and other parts of the tube are energized with the proper voltages of Direct Current of various magnitudes as governed by the characteristics of the tube. When a tube is placed in a socket of a Franklin tube testing instrument, the same voltages are applied to the tube as when it is in use in a properly designed radio receiver, with the manufacturers' recommended voltages applied thereto.

In addition to rapidly and accurately testing all modern types of tubes, this instrument is designed for use in making circuit, continuity, and point-to-point tests on radio receivers. Voltage taps on the end of the instrument case are provided for this purpose, also for the testing of condensers of all types, and resistors up to 2,000,000 ohms, literally making the instrument a junior set analyzer. Dimensions 7 1/2" high; 5 1/2" wide; 2 1/4" deep. Shipping weight 5 1/2 lbs.

**K10975—Your Cost \$29.75**

## Tube Checker Model D-33

The Model D-33 is identical to the Model H-33 in every respect, except that the Model D-33 does not have provision on the end of the instrument case for continuity tests, etc. Checking a tube is a very fast operation with this new type checker. The table of normal tube readings is attached to the inside of the lid of the instruments, and at a glance complete data on a normal tube is available. Shipping weight 5 1/2 lbs.

**K10976—Your Cost \$23.75**

# Franklin Universal Meter Set Analyzer

Model 33-B

A compact set analyzer that will enable the service man to quickly analyze and trouble shoot right in the customer's home. You can now repair many jobs right on the spot and so not deprive the customer of the use of his radio set for any length of time.

The Model 33-B Set Analyzer is the latest development in small, single meter, inexpensive testing instruments, for use in making a complete analysis of a radio receiver. Some of the tests which may be made with the Model 33-B are Output Tests on receivers, to check overall sensitivity; two resistance scales for point-to-point resistance tests; filament, plate, grid, screen, cathode voltages; plate current and grid current for checking the amount of distortion in audio amplifiers, etc. The resistance scales will check up to 1000 and 1000000 ohms. The output meter, being of the rectifier type, has a very high degree of sensitivity, and is actuated by a signal with a very low modulation percentage. A new feature found in the Model 33-B analyzer is the method of testing external circuits. A switching arrangement is used which enables various scales to be selected without changing pinjacks. The same two pinjacks are used for all voltage measurements, and the same two for all current measurements.

A. C. and D. C. voltage scales are: 0-5-10, 250-500-1000. Current scales are: 0-5-10-100 MA and 0-1 ampere A. C. or D. C. All scales are available for testing external circuits. Dimensions 9 1/2" high; 12 1/8" wide; 3 1/8" deep. Shipping weight 7 1/2 lbs.

**K10977—Your Cost \$50.50**



# Readrite

## Meters

A sturdy and reliable line of inexpensive Testing Instruments that is very popular with the Serviceman. Well made and attractively finished. Panel mounting type. 2 1/4" black enameled flanges, nickel plated bezels. White dials. Panel opening 2 1/4". Shipping weight 1 lb.



viceman. Well made and attractively finished. Panel mounting type. 2 1/4" black enameled flanges, nickel plated bezels. White dials. Panel opening 2 1/4". Shipping weight 1 lb.

### Panel Type D. C. Voltmeters

Stock No.	Range	Ohms	Your Cost
K11051	0-1	30	\$0.58
K11052	0-3	175	.58
K11053	0-5	410	.58
K11054	0-6	550	.58
K11055	0-8	850	.58
K11056	0-10	1475	.58
K11057	0-15	2914	.58
K11058	3-0-3	550	.58
K11059	0-25	1625	.58
K11060	0-25	7720	1.47
K11061	0-50	3250	.58
K11062	0-50	15140	1.76
K11063	0-100	6500	.73
K11064	0-100	30888	1.76
K11065	0-150	9750	.88
K11066	0-150	46320	1.76
K11067	0-300	92610	1.76
K11068	0-500	154400	2.35
K11069	0-60-300	92640	2.35
K11070	0-750	231600	2.94
K11071	0-8-160	850 16220	1.18

### Panel Type A. C. Voltmeters

Stock No.	Volts	List	Net
K11072	0-4	\$2.50	\$1.47
K11073	0-6	2.50	1.47
K11074	0-10	2.50	1.47
K11075	0-15	2.50	1.47
K11076	0-150	4.00	2.35
K11077	0-300	5.00	2.94
K11078	0-600	6.00	3.53
K11079	0-750	7.00	4.12
K11080	0-10-140	4.00	2.35

### Panel Type A. C. Ammeters

Stock No.	Amps.	List	Net
K11081	0-1	\$2.50	\$1.47
K11082	0-3	2.50	1.47
K11083	0-5	2.50	1.47
K11084	0-10	2.50	1.47
K11085	0-50	3.00	1.76

### Panel Type A. C. Milliammeters

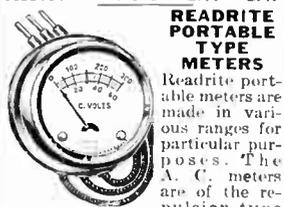
Stock No.	M. A.	List	Net
K11086	0-25	\$2.50	\$1.47
K11087	0-50	2.50	1.47
K11088	0-100	2.50	1.47
K11089	0-250	2.50	1.47
K11090	0-500	2.50	1.47

### Panel Type D. C. Milliammeters

Stock No.	M. A.	List	Net
K11100	0-10	\$1.75	\$1.03
K11101	0-15	1.00	.58
K11102	0-25	1.00	.58
K11103	0-50	1.00	.58
K11104	0-100	1.00	.58
K11105	0-150	1.00	.58
K11106	0-200	1.00	.58
K11107	0-300	1.00	.58
K11108	0-400	1.00	.58
K11109	0-20 100	1.75	1.03
K11110	0-15 150	1.75	1.03

### Panel Type D. C. Ammeters

Stock No.	Amps.	List	Net
K11091	0-1	\$1.00	\$0.58
K11092	0-3	1.00	.58
K11093	0-5	1.00	.58
K11094	0-10	1.00	.58
K11095	1-0-1	1.00	.58
K11096	3-0-3	1.00	.58
K11097	0-0-5	1.00	.58
K11098	10-0-10	1.00	.58
K11099	20-0-20	1.00	.58



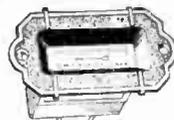
READRITE PORTABLE TYPE METERS. Readrite portable meters are made in various ranges for particular purposes. The A. C. meters are of the repulsion type and may be used with accuracy for either A. C. or D. C. testing. Not to be confused with the ordinary vane type with its restricted application. The higher reading A. C. voltmeters have over 100 ohms per volt resistance. The D. C. voltmeters are of the polarized vane solenoid type and contain resistance up to 300 ohms per volt.

## Readrite Resonance Tuning Meters

Any Model Listed Below List \$1.50

Your Net Cost

88¢



Front or Bottom Illuminated Type Code TM103

Stock No.	Scale M. A.
K11180	0-5
K11181	0-7
K11182	0-10
K11183	0-15

Rear Illuminated Translucent Dial Code TM102

Stock No.	Scale M. A.
K11184	0-5
K11185	0-7
K11186	0-10
K11187	0-15

Edgewise Mount. Shadow Illum. Code TM108

Stock No.	Scale M. A.
K11188	0-5
K11189	0-7
K11190	0-10
K11191	0-15

High resistance type milliammeters used in the plate current in sets for visual tuning. Mounted in strong metal case. The circuit is brought to resonance when the needle swings to its furthest position. Scale and pointer behind glass covered opening. 6" cable leads, attachment studs and nuts supplied.

No escutcheon included at above price

Escutcheons as Illustrated

K11192—List Each 30¢ Your Cost

18¢

### D. C. Voltmeters

(300 ohms per volt. 3" case)

Stock No.	Volts	List	Net
K11122	0-300	\$4.50	\$2.65
K11123	0-500	5.50	3.23
K11124	0-60-300	4.50	2.65
K11125	0-750	6.00	3.53

### A. C. Voltmeters

(100 ohms per volt)

Stock No.	Volts	List	Net
K11134	0-150	\$4.60	\$2.94
K11135	0-300	5.60	3.53
K11136	0-600	6.60	3.53
K11137	0-150 750	8.00	4.70

### A. C. Milliammeters

Stock No.	M. A.	List	Net
K11138	0-25	\$3.00	\$1.76
K11139	0-50	3.00	1.76
K11140	0-100	3.00	1.76
K11141	0-250	3.00	1.76
K11142	0-500	3.00	1.76

### D. C. Milliammeters

Stock No.	M. A.	List	Net
K11126	0-25	\$3.00	\$1.76
K11127	0-100	3.00	1.76
K11128	0-200	3.00	1.76
K11129	0-400	3.00	1.76

### D. C. Ammeters

Stock No.	Amps.	List	Net
K11130	0-1	\$3.00	\$1.76
K11131	0-5	3.00	1.76
K11132	0-10	3.00	1.76
K11133	0-50	3.00	1.76

### A. C. Ammeters

Stock No.	Amps.	List	Net
K11143	0-1	\$3.00	\$1.76
K11144	0-3	3.00	1.76
K11145	0-5	3.00	1.76
K11146	0-10	3.00	1.76
K11147	0-50	3.50	2.06

# Weston Meters



**Model 301**

## D. C. Instruments

Permanent magnet moving coil type. Accurate within 2%. They are supplied as Voltmeters, Volt-Ohmmeters, Ammeters, Milliammeters and Microammeters. Weight approximately 8 ounces.

## Model 301 A. C. Instruments Rectifier Type

Extremely high sensitivity A. C. instruments are obtained by using a full-wave copper oxide rectifier in conjunction with a standard Model 301 D. C. movement. They have the excellent damping, even scale characteristics and high over-load capacities of the D. C. instruments. Temperature errors at ordinary room temperatures and frequency errors over the power frequency range of 25 to 133 cycles are negligible. Frequency errors on higher frequencies up to 35,000 cycles may be corrected for as the instrument indications decrease approximately 1/2 of 1% for each thousand cycle per second. In general conditions the instrument may be relied upon to within 5% accuracy.

## Model 301

### D. C. Voltmeters

Approximate resistance in ohms per volt: 1 to 40 volts, 62; 50 to 150 volts, 200; 200 volts, 250 volts, 300; 300-500 volts, 666; 600 to 2000 volts, 66; above 2000 volts, 100. Extreme width 3 1/4 inches. Diameter of barrel 2 1/8 inches.

Stock No.	Range	List Price	Your Cost
J10603	3	\$8.00	
J10604	5	8.00	
J10606	8	8.00	\$5.88
J10607	10	8.00	
J10608	15	8.00	
J10615	150	10.00	7.35
J10618	300	14.00	10.28
J10619	500	16.00	11.76
J10620	1000*	25.25	18.56
J10622	2000*	42.75	31.42

\* Supplied with external resistor.

### Resistance 1000 Ohms per Volt

Stock No.	Range	List Price	Your Cost
J10659	150	\$14.50	\$10.66
J10660	200	14.50	10.66
J10662	500	17.50	12.86
J10663	750	20.50	15.07
J10664	200/8*	14.50	10.66

## Model 301

### D. C. Milliammeters

Stock No.	Range	List Price	Your Cost
J10675	1	\$9.00	
J10676	1.5	9.00	\$6.61
J10677	2	9.00	
J10678	3	9.00	
J10679	5	8.00	
J10680	10	8.00	
J10681	15	8.00	
J10683	25	8.00	
J10684	30	8.00	5.88
J10685	50	8.00	
J10686	100	8.00	
J10687	150	8.00	
J10688	200	8.00	
J10689	250	8.00	
J10690	300	8.00	
J10691	500	8.00	
J10694	150/15*	13.00	9.56
J10695	150/30*	13.00	9.56

\* Three binding post type self-contained.

## Model 301 D. C. Ammeters

Stock No.	Range	List Price	Your Cost
J10630	1	\$8.00	
J10635	5	8.00	
J10637	10	8.00	
J10638	15	8.00	
J10639	20	8.00	\$5.88
J10640	30	8.00	
J10652	3-0-3	8.00	
J10654	10-0-10	8.00	
J10657	30-0-30	8.00	

## Model 301

### Micro-Ammeters

Stock No.	Range	List Price	Your Cost
J10701	200*	\$13.50	\$9.92
J10702	500*	12.00	8.82

These instruments are adjusted to use in horizontal or 45° position. Bakelite Cases should be specified for Ammeters and Milliammeters when used in circuits above 300 volts when it is not possible to connect the instrument in the grounded side of the line.

## Model 301 Volt-Ohmmeters

Stock No.	Volts	Ohms Scale	Ohms Per V.	Your Cost
J10627	4.5	0-100,000	1000	\$8.82
J10628	15	0-500,000	1000	8.82

## Model 476

### A. C. Instruments

Movable iron type for A. C. only. Supplied as Voltmeters, Ammeters and Milliammeters. They are accurate within 2%.

Stock No.	Volts	Approx. Ohms Per Volt	Your Cost
J10746	1.5	3	
J10747	2	4	
J10748	3	6	
J10749	5	10	
J10750	8	10.5	
J10751	10	14	\$5.88
J10752	15	14	
J10753	20	26.3	
J10754	25	26	
J10755	30	26.3	
J10756	50	52	7.35
J10758	150	105	8.82
J10760	300	167	11.76
J10762	500	167	

## Model 476

### A. C. Ammeters

Stock No.	Amps.	Approx. Total Res.	Your Cost
J10775	1	.2030	
J10776	1.5	.082	
J10777	2	.05	
J10778	3	.024	\$5.88
J10779	5	.010	
J10780	10	.0058	
J10781	15	.00219	
J10782	20	.00162	7.35
J10783	30	.00070	7.35
J10784	50	.00057	

## Model 476 Milliammeters

Stock No.	Milli-amps.	Approx. Total Res.	Your Cost
J10785	15	2000	
J10786	25	690	
J10787	50	175	\$5.88
J10788	100	28	
J10789	250	4.7	
J10790	500	1.1	

## Model 517

### A. C. Voltmeters

Movable iron type for A. C. only. Accurate within 2%.

Stock No.	Volts	List Price	Net
J10844	3	\$8.00	
J10845	5	8.00	
J10846	10	8.00	\$5.88
J10847	15	8.00	
J10848	25	8.00	
J10849	50	8.00	
J10851	150	10.00	7.35
J10853	300	12.00	8.82

## Model 506

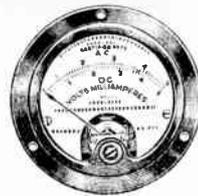
### D. C. Voltmeters

Stock No.	Volts	List Price	Net
J10799	10	\$7.00	4.46

# Weston Model 301

## Rectifier Type—A.C.—D.C.

### Volts—Milliamperes



Designed for the serviceman who desires to build a multi-range instrument to fill his particular testing requirements. It is for use with external shunts and external resistances for measuring D. C. voltages and current and A. C. voltages. This instrument is of the permanent magnet moving coil type with a self-contained copper oxide-rectifier for the A. C. measurements. It is self-contained for 5 volts and 1 milliamperes A. C. and 50 millivolts and 1 milliamperes D. C. It has a double scale—one for A. C. and the other for D. C., each calibrated 0-5 volts. Non-inductive chaperon wound wire. Accurate within 1/2 of 1%. Insulation tested. Temperature coefficient negligible.

**\$13.97**

J10774—List \$19.00—Your Cost

## Jewel Ohmmeter Pattern 89



These instruments are mounted in cases of molded Bakelite with suitable terminals. A 1 1/2 volt cell, mounted in the case makes it independent of outside sources of energy, a magnetic shunt provides convenient adjustment to compensate for variations in cell voltage. Very accurate. Shipping weight 3 lbs.

J10238—0-1000 ohms. List \$16.50

J10239—0-3000 ohms. List \$12.13

Your Cost Each \$12.13

J10240—10,000 ohms. List \$12.14

Your Cost Each \$12.14

J10241—0-30,000 ohms. List \$16.50

Your Cost Each \$12.13

J10242—100,000 ohms. List \$19.50

Your Cost Each \$14.33

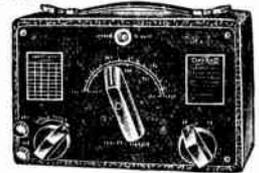
J10244—0-10-1,000 ohms. List \$25.00

Your Cost Each \$18.37

J10245—0-5,000-50,000 ohms. List \$19.50

Your Cost Each \$14.33

## Dayrad Oscillator



For all Intermediate Frequency alignments between 170-185-KC, 127-133KC, 254-266KC. Powerful harmonics are developed for rapid and accurate alignment of stages in broadcast band (550-1500 KC).

A self modulated radio frequency oscillator which generates signals in the IF bands. Harmonics of these signals are utilized when the oscillator is used to align RF stages in the broadcast band. Provided with a variable output control for governing the amount of RF energy to be supplied to the receiver. Shielded dummy antenna and input adapter are supplied with the instrument. Case of cast aluminum. Requires one No. 2Y19962 (or Burgess 5156) Eveready B battery, two No. 2 flashlight cells and one type '30 tube for operation.

K10900—Dayrad Type 175 Test Oscillator. Less \$19.35 tubes and batteries. Your Cost Each

## Model 506

### D. C. Milliammeters

Stock No.	M. A.	List Price	Net
J10817	1	\$9.00	\$5.74
J10820	5	7.00	
J10821	10	7.00	
J10822	15	7.00	
J10823	25	7.00	
J10824	50	7.00	4.46
J10825	100	7.00	
J10826	150	7.00	
J10827	200	7.00	
J10828	300	7.00	
J10829	500	7.00	

## Model 506 Volt-Ohmmeter

Stock No.	V.	Ohms	List Price	Net
J10830	3	10,000	\$7.00	\$4.46

## Multi-Mount

Radio servicemen and experimenters will find in the Multi-Mount a practical aid in efficiency and economy. With the aid of this device, a single meter becomes a flexible instrument, readily available in an infinite number of hookups. The Multi-Mount kit contains: 1 4x4 1/2" metal-panel with circular opening to fit any 2 1/2 x 2 1/4" standard meter case such as Weston; 2 slotted metal brackets; 2 threaded coupling strips; 2 knurled nuts. Shipping weight 1 lb.



J10599—Your Cost.....**39¢**

## Erdi Rectifier Units



Designed for converting a D. C. Meter into a Universal one, which can be used to measure both direct and alternating currents. By the proper choice of

Multiplier resistances and shunts for an accurate milliammeter, any D. C. voltage and current ranges may be accurately measured, and when equipped with this Rectifier, the same A. C. values may be ascertained. Consists of four copper oxide coated discs to give full wave rectification. Operates instantaneously; no time lag between impressed voltage and resulting current.

15 M. A. for Use in Meter Conversion

J10571 Your Cost Each.....**\$2.50**

30 M. A. for Use in Microphones

J10572—Your Cost Each.....**\$3.50**

“Taurex” Copper Oxide Rectifier for D. C. Meter Conversion

J10811—Your Cost Each.....**\$2.95**

**We Will Not Knowingly Be Undersold**

# "Van" A.C. and D.C. Shunts and Multipliers

Accuracy Limits 2%

## "Van" Multipliers



Stock No.	Ohms	List Price	Your Cost
K10925	4950	\$1.00	.58
K10926	5000	1.00	.58
K10927	10000	1.00	.58
K10928	40000	1.25	.73
K10929	45000	1.25	.73
K10930	50000	1.25	.73
K10931	350000	1.50	.88
K10932	1000000	1.50	.88
K10933	2450000	2.00	1.18
K10934	2500000	2.00	1.18
K10935	5000000	3.00	1.76
K10936	10000000	3.50	2.06

## "Van" Shunts

Multiple Shunts



For 1 Mil. D. C. Model 301, 27 M. V. Your Price **88¢**

Stock No.	Milli-amps.	Stock No.	Milli-amps.
K10910	5	K10913	50
K10911	10	K10914	100
K10912	25	K10915	500



For Universal Model 301, 50 M. V. Each, Your Cost **88¢**

Stock No.	Milli-amps.	Stock No.	Milli-amps.
K10918	5	K10921	50
K10919	10	K10922	100
K10920	25	K10923	500

## Series Tapped Shunts



K10916 - For 1 Mil. D. C., 27 M. V. Tapped 10-100 mills. Each, Your Cost **\$1.47**

K10924 - For Universal Model 301, 50 M. V. meter. Tapped 5-25-100 mills. Each, Your Cost **\$1.76**

For 5 Volt. A. C.-D. C. Universal

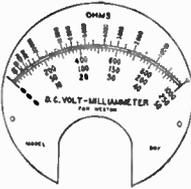
- K10941 - 100 mills
- K10942 - 500 mills
- K10943 - 2 1/2 amps.



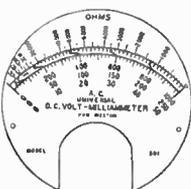
Your Cost Each **\$1.76**

## Meter Dials

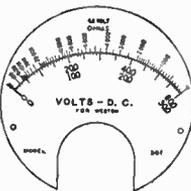
Fit Weston Model 301



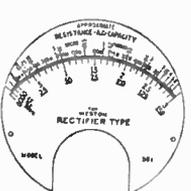
No. 1 Dial



No. 4 Dial



No. 3 Dial



No. 3 Dial

Printed on the finest grade Bristol Board, with clear lettering, and sharp cut figures. Many useful combinations may be made by using these in conjunction with various shunts. K10946 - Dial No. 1 K10948 - Dial No. 3 K10947 - Dial No. 2 K10949 - Dial No. 4 List Price, Each, 75c Your Cost **45¢**

# Beede 3 1/4 inch Meters

This popular line of meters is manufactured by an organization which has been continuously making meters for the past fifteen years. This improved design of the moving coil meter, permits of greater simplicity in construction than has heretofore been possible. The result is unusual ruggedness, highest accuracy, and freedom from interference from dust and other foreign matter. The meter is perfectly balanced in all positions, and the moving system is exceptionally well damped. From the mounting of the sapphire bearing, to the construction of the magnet, the materials, workmanship and design, conform to the highest quality, and most improved practice. The accuracy of the meters is guaranteed within two percent. Contrary to the present day trend, where quality is sacrificed to lower costs, Beede meters represent improved quality and design, which in turn, result in lower production costs. This saving is reflected in the extremely low prices for this line of quality instruments.



## D. C. Milliammeters—Single Range

Stock No.	Range	Divisions	List Price	Your Cost
J10415	0-1	50	\$6.00	\$4.12
J10416	0-3	60	6.00	
J10417	0-5	50	4.75	
J10418	0-10	50	4.75	
J10419	0-15	60	4.75	
J10420	0-20	40	4.75	
J10421	0-25	50	4.75	
J10422	0-50	50	4.75	3.25
J10423	0-100	50	4.75	
J10424	0-250	40	4.75	
J10425	0-300	60	4.75	
J10426	0-500	50	4.75	
J10427	0-1000	50	4.75	

Ranges up to 50 amperes have self-contained (internal) shunts. Ranges above 50 amperes have external shunts.

Stock No.	Range	Divisions	List Price	Your Cost
J10430	0-1	50	\$4.75	
J10431	0-5	50	4.75	
J10432	0-10	50	4.75	\$3.25
J10433	0-15	60	4.75	
J10434	0-50	50	4.75	
J10435	0-100	50	4.75	
J10436	0-200	40	7.75	5.33
J10437	0-300	60	8.25	5.65
J10438	0-500	50	9.00	6.18

The shunts furnished have a drop of 50 millivolts + or - 5%.

## D. C. Voltmeters—Single Range

Resistance approximately 125 ohms per volt.

Stock No.	Range	Divisions	List Price	Your Cost
J10350	0-1	50	\$4.75	
J10351	0-2	40	4.75	
J10352	0-3	60	4.75	
J10353	0-5	50	4.75	
J10354	0-15	60	4.75	\$3.25
J10355	0-25	50	4.75	
J10356	0-50	50	4.75	
J10357	0-100	50	4.75	
J10358	0-150	60	4.75	
J10359	0-250	50	6.00	4.12
J10360	0-300	60	7.00	4.80
J10361	0-500	50	8.00	5.50
J10362	0-1000	50	12.50	8.60

We can supply Double, Triple and Multiple range meters. On special orders write for prices.

## Voltmeters—Single Range

1000 ohms per volt.

Stock No.	Range	Divisions	List Price	Your Cost
J10365	0-5	50	\$7.00	
J10366	0-10	50	7.00	
J10367	0-15	60	7.00	\$4.80
J10368	0-25	50	7.00	
J10369	0-50	50	7.00	
J10370	0-100	50	7.50	5.15
J10371	0-150	60	7.50	
J10372	0-250	50	7.50	5.50
J10373	0-300	60	9.00	6.18
J10374	0-500	50	10.00	6.85
J10375	0-1000	50	13.50	9.35

## Voltmeters—Zero Center

125 ohms per volt.

Stock No.	Range	Divisions	List Price	Your Cost
J10390	3-0-3	60	\$4.75	
J10391	50-0-50	50	4.75	\$3.25
J10392	150-0-150	60	4.75	

## Ammeters—Zero Center

Stock No.	Range	Divisions	List Price	Your Cost
J10395	5-0-5	50	\$4.75	
J10396	10-0-10	50	4.75	3.25
J10397	50-0-50	50	4.75	

## Milliammeters—Zero Center

Stock No.	Range	Divisions	List Price	Your Cost
J10400	1-0-1	50	\$6.00	\$4.12
J10401	10-0-10	50	4.75	
J10402	50-0-50	50	4.75	3.25
J10403	100-0-100	50	4.75	

## Voltmeters—Double Range

1000 ohms per volt.

Stock No.	Range	Divisions	List Price	Your Cost
J10408	0-15-150	60	\$9.50	\$6.50
J10409	0-50-250	50	10.00	6.85
J10410	0-250-750	50	14.00	9.70

## Milliammeters—Double Range

Stock No.	Range	Divisions	List Price	Your Cost
J10380	0-1-10	50	\$9.00	\$6.18
J10381	0.5-5-50	50	7.75	
J10382	0-10-100	50	7.75	5.33
J10383	0-15-150	60	7.75	
J10384	0-25-250	50	7.75	

Double Range Milliammeters are self contained and have three terminal posts.

## Littelfuses for Test Instruments

Designed to insure and protect meters and other expensive equipment. Are dependable and accurate. Has many laboratory uses. Breaks circuit immediately on reaching maximum milliampere load. Length 1"; diameter 1/4".



Stock No.	Rating Amps.	Max. Load M.A.	Average Resist. on 5 Mil. Load	Your Cost Each	Your Price Dozen
N12385	1/100	5	138 ohms	\$0.12	\$1.38
N12386	1/12	15	65 "	.12	1.38
N12387	1/16	65	21 "	.12	1.38
N12388	1/8	100	3.5 "	.09	1.05
N12389	1/4	100	26 "	.09	1.05
N12390	1/2	200	6.2 "	.09	1.05
N12391	3/8	300	3.0 "	.09	1.05
N12392	1/2	400	2.5 "	.09	1.05
N12393	3/4	600	1.0 "	.09	1.05
N12394	1	1000	.36 "	.06	.70
N12395	2	2000	.14 "	.06	.70

## Littelfuse Panel Type Mountings

For sub-panel use. Studs are 1" long, and have 3/8" thread. For 1" fuses only. N12382 - Your Price Each **12¢**

## For Radio Receivers and Amplifiers

Designed as a special protection for radio sets. Used in the power supply line. Tested and approved.



Stock No.	Rating Amps.	Max. Load Watts	1/2 x 1/4" long. Your Cost Each	Your Price Dozen	
N12378	1	250	60 watts	\$0.06	\$0.70
N12379	1 1/2	250	80 watts	.06	.70
N12380	2	250	150 watts	.06	.70
N12381	3	250	200 watts	.06	.70
N12396	1/2	500	75 mils.	.09	1.05
N12397	1/2	500	150 mils.	.09	1.05
N12398	1/2	500	300 mils.	.09	1.05
N12399	3/4	500	500 mils.	.09	1.05

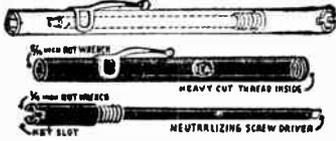
## Littelfuse Mountings

These attractive mountings have a base of moulded bakelite. Are furnished with plated fuse clips, slotted to hold fuse rigid. Has terminals of tinned phosphor bronze. Base is 1 1/8 x 3/8 x 1/4". N12383 - For Littelfuse 1 x 1/4". Your Price, Each **9¢**



# Laboratory Test Prods and Accessories

## Neutralizing Tool



Carried in the pocket like a fountain pen—has clip for pocket.  $\frac{3}{4}$ " nut wrench with key slot and neutralizing screwdriver on removable inside rod;  $\frac{5}{16}$ " nut wrench in one end of outside barrel. Made of durable non-conductive material that will stand hard usage. Shipping weight 8 oz.  
List Price ..... \$1.50  
**P14915—Your Cost Each ..... 45¢**

## Majestic and Crosley Alignment Attachments



**Crosley** **Majestic**  
Fit neutralizing tool No. P14915 listed above.  
**P15084—Your Cost ..... 32¢**

### Balnout for Majestic Sets

Overall length  $2\frac{1}{4}$ ". Has screw driver and offset socket for  $\frac{1}{4}$ " hex nuts that extends tool handle  $1\frac{1}{2}$ ".  
**P15085—Your Cost ..... 11¢**

### For Crosley Sets

Extends tool  $1\frac{1}{4}$ ". Has socket in end for  $\frac{3}{16}$ " square nuts.  
**P15086—Your Cost ..... 11¢**

## Alligator Neutralizing Wrench and Screw Driver



Alligator wrench with  $\frac{3}{8}$ " opening. Securely fastened to extra strong high insulation rod size  $\frac{1}{4} \times \frac{1}{4}$ ". Hardened steel screw driver blade.  
**P14921—Your Cost ..... 35¢**

## Neutralizing Tool Set with Metal Nibs



Polished black bakelite handles. Two tools. One consists of a  $\frac{3}{8}$ " diameter 6" long tube on each end of which are heavy brass nickel plated socket wrenches for  $\frac{5}{16}$ " and  $\frac{1}{4}$ " hex nuts. The other tool fits inside the first tool and consists of a  $\frac{1}{32}$ " solid rod, one end of which has a strong screw driver blade, the other end is of special magnetic steel.  
**P15083—Your Cost ..... 85¢**

## Four-in-One Neutralizer Compensator and "Tool Kit"



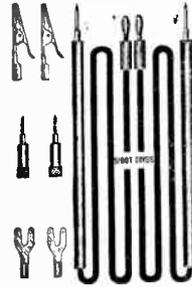
Combines in a fountain pen size compact tool that can be carried in your vest pocket,  $\frac{1}{4}$ " and  $\frac{3}{16}$ " nut wrenches, miniature blade screw driver for neutralizing and a full size insulated handle general purpose screw driver. Made of fine quality extra strength fiber. Fountain pen clip prevents losing from pocket. When closed, no sharp points are exposed to tear clothing.  
**P15082—Your Cost ..... 85¢**

## Neutralizing and Compensating Screw Driver



Bakelite knob, diameter 1" fastened to  $\frac{1}{4}$ " hard rubber rod projecting  $3\frac{3}{8}$ ". Hardened screw driver blade.  
**P15087—Your Cost ..... 26¢**

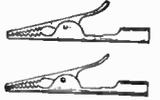
## Pencil Type Test Prods



These test prods are in large demand due to their serviceability and special features, such as interchangeable tip ends and long handles. Spring prongs at the end of prods allows changing from spade lugs to phone tips or to spring clips. Tight and sturdy connection at all times. Handles are 6" long and only  $\frac{3}{4}$ " in diameter, ideal for getting into tight places. Needle point phone tips are used for piercing through insulated wire for good contact; body of tips act as standard tip for use in phone tip jacks. Are also convenient for scraping surfaces for good contact. Equipped with 5 ft. black and red flexible wire. Comes complete with two Alligator Clips, two needle point Phone Tips, and two tapped lugs; the latter will fit all screws up to No. 10 in diameter.  
**P12971—Your Cost Per Pair Complete ..... 79¢**

## Alligator Test Clip

This new type of Alligator Testing Clip is made on the new principle, long and thin. It is only  $\frac{3}{16}$ " wide and 2" long. Has a soldering feature on the inside of the barrel for easy soldering. They are ideal for testing purposes on meters, test boxes and electrical apparatus.



**M12955—Your Cost Each ..... 05¢**  
**Per Dozen ..... 50¢**

## Tapered Lugs

These lugs are ideal for all kinds of connections due to the fact that they are tapered and will take all screws up to number 10. Are made of brass and are neatly nickel-plated.



**M12954—Your Cost Per Doz ..... 15¢**  
**50 For ..... 55¢**

## Standard Test Prods



Sturdy handles of high insulating properties; one red, one black. 50" leads with chucks. Shipping weight 8 oz.

for phonograph needle.  
**M12975—Spade Ends. Your Cost (either) ..... 23¢**  
**M12977—Spring Clip Ends. Your Cost Per Pair ..... 39¢**

## Handy Test Clip Leads

These Test Clip Leads are available in various lengths and come in red and black wire per pair. They consist of Alligator type test clips soldered on each end. They are ideal for experimental purposes and all laboratory test connections. Available in the following lengths:  
**M12920—12" Wire. Your Cost Per Pair ..... 30¢**  
**M12921—24" Wire. Your Cost Per Pair ..... 40¢**  
**M12922—36" Wire. Your Cost Per Pair ..... 50¢**



## Test Plugs

These Test Plugs come in pairs of red and black with spring prongs attached to an insulated piece. They are ideal for temporary or permanent connections where a plug of this type is required.  
**M12970—Your Cost Per Pair ..... 20¢**

## Laboratory Test Prods



Improved type. Has bronze tip with needle point and heavy body. Answers two-fold purpose of needle prod and phone tip prod. Handles 5" long and are extra heavy. Red and black covered leads

5 ft. long. Shipping weight 8 oz.  
**M12978—With Spade Tips. Your Cost (either type) ..... 45¢**  
**M12979—With Phone Tips. Your Cost ..... 55¢**  
**M12980—With Spring Clips. Your Cost ..... 55¢**

## Eby "Ace" Binding Post

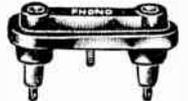
Non-removable knurled rubber top. Brass bolt and body. Complete with lug and nut. Markings: ant., B45, B67, B90 and plain.  
**M13027—Specify marking desired. Your Cost Each ..... 5¢**



**Per Dozen ..... 50¢ Per Hundred ..... \$3.45**

## Eby Twin Jacks

Bakelite moulded strip for standard phone tips. Mounting hole centers  $1\frac{1}{16}$ ".  
**M13030—Phono. Your Cost Each ..... 6¢**  
**M13031—Speaker. Your Cost Each ..... 11¢**  
**M13032—Field. Your Cost Each ..... \$1.00**



## Eby Twin Posts

Bakelite strip, brass posts. One gnd. and one ant. Mounting centers  $1\frac{1}{16}$ ".  
**M13029—Your Cost Each ..... 15¢**  
**10 For ..... \$1.35**



## Eby Triple Posts

Bakelite strip. Three posts. gnd., long ant. and short ant.  
**M13029—Your Cost Each ..... 15¢**  
**10 For ..... \$1.35**



## Improved Testing Plugs and Lugs

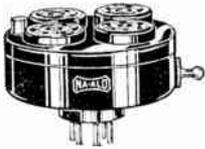


**M12961—No. 1. Hook Type Connector with Insulated Sleeve. Your Cost Each ..... 06¢**  
**M12962—No. 2. "U" Type Connector with Insulated Sleeve. Your Cost Each ..... 06¢**  
**M12963—No. 3. One piece Hook Type Con-**

necter and Sleeve. Your Cost Each ..... 03¢  
**M12965—No. 4. Shock-proof Plug with Insulated Sleeve. Your Cost Each ..... 16¢**  
**M12964—No. 5. Shock-proof Plug with Insulated Sleeve. Your Cost Each ..... 14¢**  
**M12966—No. 6. Distributing Plug with Heavy Connecting Sleeve. Your Cost Each ..... 10¢**  
**M12967—No. 7. Antenna or Multi-Line Insulator. Your Cost Each ..... 06¢**  
**M12968—No. 8. Plug Shank, Solid Brass Nickel-plated. Your Cost Each ..... 04¢**

**We Will Not Knowingly Be Undersold**

### Multi-Adapter



Here's what you have been looking for—nothing like it, forty-in-one Adapter Change. High grade tube checking adapter, tests over 40 tubes. No leads, no jacks or plugs, no complicated directions. Resistances and toggle switch for instant reading of both plates of dual plate tubes, beautifully and ruggedly made, a typical Na-Ald product. Tubes it will check in practically any checker are 19, 29, 33, 36, 37, 38, 89, 41, 42, 44, 46, 47, 49, 52, 55, 57, 58, 59, 64, 65, 67, 68, 69, 70, 80, 82, 83, 85, 88, 89, 93, 95, 985, 986, G-2, G-4, LA, PA, PZ, PZH, WUNDERLICH A and B. Na-Ald No. 950XYL. Shipping weight 2 lbs.

**K11553—List \$6.00**  
**Your Cost Special... \$3.53**

### For Testing Wunderlich 6 Prong Tubes and Type 29 and 69 in any Tester or Analyzer 955GG



6 hole top, 5 prong base, the two grids of the top socket are connected together and brought down to grid prong of base, thus converting tube to a

standard three element type for testing in type 27 five prong sockets. Shipping weight 8 oz.

**K11552—List \$1.00**  
**Your Cost... \$59¢**

### For Testing Wunderlich Five Prong Tubes 955GKGL



5 hole top, 5 prong base, the two grid holes are connected together and brought down to the grid pin. Cathode pin connects to a flexible lead with a connection which fits the cap of Wunderlich tube. Other connections straight through. Used for testing

Wunderlich tubes in tube testers. Also used with adapter 955GGKC for testing Wunderlich tube circuits in set testers and analyzers. Shipping weight 8 oz.

**K11551—List \$1.25**  
**Your Cost... \$73¢**

### 955GGKC

### Companion Adapter to 955GKGL 5 Hole Top—5 Prong Base

Cathode hole connects to a wire lead and tube cap; grid hole connects to two grid pins; other connections are through. Companion adapter to 955GKGL. Shipping weight 8 oz.

**K11550—List \$1.25**  
**Your Cost... \$73¢**

### For Testing B. R. Raytheon Half Wave Gaseous Rectifier Tube Circuits in any Analyzer



The two adapters listed below, used together, are required for this purpose. Both have 4 Hole Top—4 Prong Base.

**944BRA**—The plate and negative filament holes are connected to the anode and cathode pins, respectively, other connections dead. Shipping weight 8 oz.

**K11548—List \$1.00**  
**Your Cost... \$59¢**

**944BRB**—The anode and cathode holes connect to the plate and negative filament pins, respectively; other connections dead. Shipping weight 8 oz.

**K11549—List \$1.00**  
**Your Cost... \$59¢**



## Analyzer Plugs and Associate Adapters

### Here are the New Analyzer Plugs and Adapters for the New 6 and 7 Prong Tubes



The 906WL is the last word in an analyzer plug. Its diameter and height are proportioned so that there will be no difficulty in using it in the small base tube sockets or those equipped with the new close-fitting shields. The plug has a latch actuated by a spring which locks the associated adapters to the plug so that the adapter cannot stick in an inaccessible socket. Shipping weight 1 lb.

**K11544—906WL plug without cable. List \$3.50**

**Your Cost \$2.05**

**906WLC**—Above with five feet of seven wire cable with the seventh wire connected to both control-grid studs and the latch.

**K11545—List \$5.50**  
**Your Cost \$3.23**

**964DS**—6 hole to 4 prong adapter with locking stud.

**K11547—List \$1.25**  
**Your Cost 73¢**

**965DS**—6 hole to 5 prong adapter with locking stud.

**K11546—List \$1.25**  
**Your Cost 73¢**

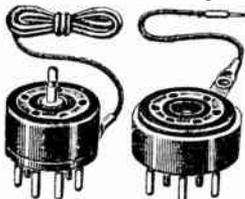
**967SS**—6 hole to 7 prong adapter with locking stud connected to control-grid prong.

**K11576—List \$1.25**  
**Your Cost 73¢**

**967SGL**—6 hole to 7 prong adapter with locking stud. Control-grid prong connected to lead with clip for attaching to control-grid stud on analyzer plug.

**K11577—List \$1.50**  
**Your Cost 88¢**

### For Testing 7 Prong Tubes in Set Analyzers with 906L Plug



To be used with Alden 906L latch lock analyzer plug. Adapter with center stud goes on analyzer plug and fits into seven prong socket of sets. Adapter with seven hole top is connected by lead to suppressor grid contact and fits into six hole socket of analyzer. Shipping weight 2 lb.

**K11572—967GL-976CG**  
**List \$2.75**  
**Your Cost \$1.62**



### 965-KS

57-58 Tube Checker Adapter in connection with any tube tester having UY socket. Shipping weight 8 oz. List \$1.00.

**K11538—List \$1.00**  
**Your Cost 59¢**

### NEW!

### 7 Prong Plug with Associate Adapters 907WL



Consists of a 7 prong analyzer plug for adapting set testing equipment to the new type tubes. Equipped with the Na-Ald lock feature.

Bring your analyzer up-to-date by installing this complete set of plug and 3 associate adapters. Available with 5-foot cable. Made from genuine Bakelite. Special insulated latch for locking adapter to plug. Shipping weight 8 oz.

**K11554—907WL—List Price \$3.50**

**Your Cost \$2.06**

**907WLC**—With cable. **K11555—List Price \$5.50**

**Your Cost \$3.23**

**976DS**—7 hole top to 6 prong socket. **K11556—List Price \$1.25**

**Your Cost 73¢**

**975DS**—7 hole top to 5 prong socket. **K11557—List Price \$1.25**

**Your Cost 73¢**

**974DS**—7 hole top to 4 prong socket. **K11558—List Price \$1.25**

**Your Cost 73¢**

Complete kit of 1 analyzer plug and 3 adapters. Shipping weight: 5 lbs.

**K11559—List Price \$12.25**  
**Your Cost \$7.25**

### Analyzer Plug 905L 5 Prong Base with Latch Lock



### Analyzer Plug 905L 5 Prong Base with Latch Lock

Especially useful for replacing plugs on test equipment, connecting bench testing equipment and for making your own analyzer. Very rugged. Moulded bakelite body. The plug has a 5 prong UY base with a control-grid cap on a handle for control grid connections. Supplied with a 5 ft. six wire cable, five wires going directly to the prongs, and the sixth to the control-grid cap. Also equipped with special latch for locking adapters to plug. Latch is dead doing away with possibility of electric shock.

**K11525**—Without cable, without adapter. **List \$3.00**  
**Your Cost \$1.76**

**K11526**—With cable, without adapter. **List \$5.00**  
**Your Cost \$2.94**

**K11527**—List Price, Each \$1.25

**Your Cost 72¢**

**Associate Adapters**

### For 905 Analyzer Plug

**954DS**—Adapter. 5 hole top, 4 prong base, omits cathode. **K11527—List Price, Each \$1.25**

**Your Cost 72¢**

**956DS**—Adapter. 5 hole top, 6 prong base. The suppressor grid prong of the adapter is connected to the center post. Used for recent model Supreme testers. **K11573—List Price, Each \$1.25**

**Your Cost 72¢**

### Universal Testing Adapters

Have break in the plate circuit with connections by cord tip jacks. Filament, grid and cathode connections also have connections by cord tip jacks, enabling you to make many tests through the use of this adapter. You may test plate current by connecting the milliammeter in series with the plate circuit; test plate voltage by connecting voltmeter between plate connections and cathode or filament connections; grid voltage by connecting a voltmeter between grid connections and cathode or filament connections; filament current by connecting a voltmeter across the filament. Shipping weight 8 oz.



**944PTT**—4 prong. **K11560—List \$1.50**

**Your Cost 88¢**

**956PTT**—5 prong. **K11561—List \$1.50**

**Your Cost 88¢**

**966PTT**—6 prong. **K11562—List \$1.50**

**Your Cost 88¢**

### Oscillation Control Adapters



Breaks grid connections with tip jacks. May be used for controlling oscillation by attaching resistor in series with grid circuit, and can also be used for general testing of grid circuits. Shipping weight 8 oz.

**944GT**—UX base. **K11563—List \$1.25**

**956GT**—UY base. **K11564—List \$1.25**

**Your Cost Each 73¢**

### Neutralizing Adapters

For use in balancing neutralizing condensers in superheterodyne or heterodyne sets. One filament is dead, enabling you to use an ordinary tube for balancing. Shipping weight 8 oz.



**K11565**—4 prong—944N **List \$1.00**

**K11566**—5 prong—955N **List \$1.00**

**Your Cost Each 59¢**

### Balancing Adapters

For listening in on RF stages. Makes a detector of any stage, thus enabling you to properly balance that stage or determine if the stage is operating properly. Provided with cord tip jacks for use with head phones. Shipping weight 8 oz.

**K11567**—4 prong—944GP **List \$1.50**

**K11568**—5 prong—955GP **List \$1.50**

**Your Cost Each 88¢**

### Listening-In Adapters

For listening in on detector or audio frequency stages with head phones. Very useful for getting DX stations that are not audible in the speaker. Useful when you desire to listen in without disturbing the rest of the family. Plate connections are brought out to cord tip jacks. Shipping weight 8 oz.



**K11569**—4 prong—944PT **List \$1.25**

**K11570**—5 prong—955PT **List \$1.25**

**K11571**—6 prong—966PT **List \$1.25**

**Your Cost Either Type 73¢**

## Bring Your Set Up-to-Date By Substituting New Type Tubes



954-47, replaces the 45 tubes with 46 or 47 type tubes.

**K11591**—List . . . . . 50c  
**Your Cost** . . . . . **30c**



965-58, replaces the 24 tubes with 57 or places the 58 in a 35 or 51 socket.

**K11592**—List . . . . . 50c  
**Your Cost** . . . . . **30c**



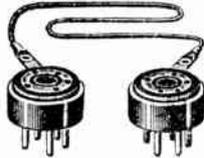
927, replaces Kellogg overhead heater type tubes with the 27 type.



**K11593**—List . . . . . \$1.25  
**Your Cost** . . . . . **73c**

419X, places the new 2 tube in old UV sockets.  
**K11594**—List 35c  
**Your Cost** . . . . . **21c**

### Two Type 47 Pentodes in a 71 Circuit

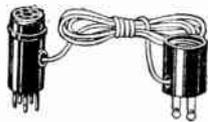


954-FS

A twin adapter, each one with a UX base and a green ring UY socket top interconnected with an 8" lead. One adapter has a filament clip from each filament prong so that the filaments of the pentodes may be connected in series whatever the filament connections in the set may be.

**K11582**—List. \$2.50  
**Your Cost** . . . . . **\$1.47**

### Tests the New 25 and 30 Volt Tubes



965AC

Don't throw away your old tube checker. You can test even the new 25 and 30 volt tubes with it by using this new series lamp socket adapter. Checks the 43 and 48 tubes in the 27 socket, by using a lamp in series. Shipping weight 2 lbs.

**K11609**—List. . . \$2.50  
**Your Cost** . . . . . **\$1.47**

965-25Z5

This adapter checks separately both plates of the new 25 volt double plate heater-type rectifier tube used in the latest universal and transformerless sets. Used in the 27 socket of any tube checker with a 40 watt lamp in series. Similar to above 965AC, except has toggle switch for testing both plates separately. Shipping weight 2 lbs.

**K11610**—List. . . \$2.50  
**Your Cost** . . . . . **\$1.47**

### Last Minute Specials

9PI, new universal output meter adapter. Contacts the plate-prong of 4, 5, 6, or 7 prong tubes whether small or medium based.

**K11603**—List. . . . . 50c  
**Your Cost** . . . . . **29c**

977MS—Adapter for changing a medium 7 prong plug to the new small base 7 prong plug.

**K11604**—List. . . . . \$1.00  
**Your Cost** . . . . . **59c**

977SM—Adapter for use in a regular medium 7 hole socket to take the new small base 7 prong tubes.

**K11605**—List. . . . . \$1.00  
**Your Cost** . . . . . **59c**

### New Speaker-Silencing Phone Adapters

955PGT For single 5 prong pentode, 33, 47, GA, PZ, etc.

**K11578**—List . . . . . \$1.25  
**Your Cost** . . . . . **73c**

955PGW—For P. P. 5 prong pentodes, twin adapters.

List . . . . . \$2.50  
**K11579**—List . . . . . \$1.47  
**Your Cost** . . . . . **73c**

966GW—For single 6 prong pentode, 41, 42, 43, 48, etc.

List . . . . . \$1.25  
**K11580**—List . . . . . \$1.47  
**Your Cost** . . . . . **73c**

966PGW—For P. P. 6 prong pentodes, twin adapters.

List . . . . . \$2.50  
**K11581**—List . . . . . \$1.47  
**Your Cost** . . . . . **73c**

### For Replacing 224 and 235 Type Tubes with 57 or 58 Tubes



965KS adapter takes the new 57 tube in a 24 socket or the 58 tube in a 51 or 35 socket. The 58 tube has about 2½ times the mu-factor and over 50 per cent greater transconductance so is a much better tube than the 51. Moreover the 58 tube uses less power than the 51. Shipping weight 8 oz.

**K11538**—List. . . . . \$1.00  
**Your Cost** . . . . . **59c**

### To Use a 27 Tube in a 4 Prong Socket

954KL

An adapter having a UX base and a green ring UY socket top with three 30" leads. Replace the UX tube with the adapter and 27 tube. Connect the red and green leads to the 2½ volt filament and the black lead connect the grid bias resistor or C battery. Shipping weight 8 oz.

**K11587**—List. . . . . \$1.50  
**Your Cost** . . . . . **88c**

### Type '41 or PZH Pentodes in Place of '38 Tubes

#### For Automobile Sets Only

965GL

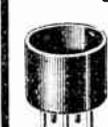


Makes the necessary connections for inserting a type '41 in place of a '38 type tube. It has a six prong receptacle on top and five prong base plug. The grid terminal of the top

socket is brought out to a wire lead having a screen grid cap on its end which is to be inserted in the grid clip of the receiver. Shipping weight 8 oz.

**K11583**—List. . . . . \$1.25  
**Your Cost** . . . . . **73c**

### Tube Bases



Moulded, polished black bakelite. Standard size. Hollow brass prongs, polished nickel finish. Easy to solder leads on inside of prongs. Overall diam. 1 11/16". Cavity size—

1 7/8" diam.; 1 3/16" deep. Shipping weight 8 oz.  
**K11599**—4 prong . . . . . Each  
**K11600**—5 prong . . . . . **7c**  
**K11601**—6 prong . . . . . **7c**  
**K11602**—7 prong . . . . . **8c**

# NA-ALD Adapters

### For Testing Both Plates of 280 Tubes for Jewell 209, Weston 533 and 555 Tube Testers



944J

Four hole top, 4 prong base, gives current reading on second plate of 280 type tubes. Crosses plate connections. Grid hole is connected to plate

prong. Plate hole and grid prong are dead.

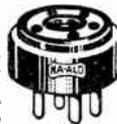
**K11595**—List. . . . . \$1.50  
**Your Cost** . . . . . **88c**

### For Testing Type 33, 46, 47, PZ Pentodes Tubes in 4 Prong Socket

954KPC

5 hole top, 4 prong base, current for extra grid is supplied from plate prong. Tests 46, 47 and PZ type tubes in 2-45 socket. Test 33 type in 226 socket. Grid, plate and heater connections through. Shipping weight 8 oz.

**K11534**—List. . . . . \$1.00  
**Your Cost** . . . . . **59c**



### For Testing 41, 42, 68, PA and PZH Tubes in TubeCheckers



965-CG

To check the 41, 42, 68, PA and PZH tubes in tube checkers having a UY screen-grid socket with proper voltage applied to the heater contacts. A single adapter having a UY base and blue ring 6 hole top with control-grid stud mounted on the side. Shipping weight 8 oz.

**K11589**—List. . . \$1.25  
**Your Cost** . . . . . **73c**

965-SL

Used in the UY socket of Supreme models AAA-1, 90-JJ, 23, 3J, 4J and 5J and 400B N4 with a different adapter on the test plug for socket analysis of 6 prong tube circuits.

Also used to check 6 prong tubes in Hickok equipment. A single adapter with a UY base and a blue ring 6-hole top having a 6" lead ending in a phone tip terminal.

**K11539**—List. . . . . \$1.25  
**Your Cost** . . . . . **73c**



### For Testing the 55 and 85 Duplex-Diode Triode Tubes in the 27 and 37 Sockets of any Tube Checker



965-55

An elongated single adapter having a UY base and a blue ring socket top with a 6" lead ending in a control-grid clip. The adapter has a resistance network to provide the proper diode test voltage and a toggle switch for testing the triode and diode sections of the tube. Shipping weight 1 lb.

**K11597**—List. \$3.00  
**Your Cost** . . . . . **\$1.76**

### 955G-2 For Testing Diode Tubes



For testing double plate tubes such as G-2 Majestic. Placed in UY socket. Has internal resistance and switch for reading both plates. Shipping weight 1 lb.

List . . . . . \$3.00  
**K11543**—List . . . . . **\$1.76**  
**Your Cost** . . . . .

### 982 for Mercury Rectifier Tubes

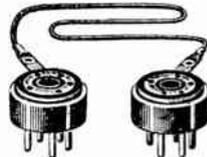


982 tests the 82, 83, 88, 985 and 986 mercury vapor rectifiers. Has protective resistance and toggle switch for testing both plates. Adapter is placed in socket of tester regularly used to test 280 tubes, adjust voltage on filament for tube being checked. Shipping weight 1 lb.

**K11542**—List. \$3.00  
**Your Cost** . . . . . **\$1.76**

**Twin Adapter for Testing 33, 46, 47 and PZ Pentodes in Set Analyzers**

### Type 974



Twin adapters with a 5-ft. interconnecting lead. Both adapters have a 5 contact top and a 6 prong base, but one has a black locator ring and the other a pink one. Place the pink ring adapter in the set socket and the black ring adapter in the UY analyzer socket. Shipping weight 1 lb.

**K11590**—List. \$2.50  
**Your Cost** . . . . . **\$1.47**

### For Testing B. R. Raytheon Half Wave Gaseous Rectifier Tubes in any Tube Tester

944BR

Four hole top, four prong base, a single adapter with a yellow ring, containing the proper resistor to safely test the BR tube in any tube checker. Tests like an 81 tube. Grid and plate holes dead. Shipping weight 1 lb.

**K11596**—List. \$2.50  
**Your Cost** . . . . . **\$1.47**

### For Testing the 33, 46, 47, 49, GA, CA and PZ Tubes in Tube Checkers



975

A single adapter having a UY base and a blue ring UY socket top. To check the 33, 46, 47, 49, GA, CA and PZ tubes in tube checkers having a UY triode socket and provision for supplying 2, 2½, 5 and 6.3 volts to the heater contacts. Shipping weight 8 oz.

**K11535**—List . . . . . \$1.00  
**Your Cost** . . . . . **59c**

# Miscellaneous Adapters and Testers

## New Readrite Adapters

**Combination Adapter**  
Tests all the new tubes: 29, 41, 42, 69, 57, 58, 59, 62, 83, 55, 85, 79. Wunderlich G-prong tubes in old model testers.

Here is a combination that will test all the new type tubes, including the latest 6-prong types in all the old model tube checkers. Plugs into tube tester socket. Complete instruction chart furnished with each adapter. This adapter will bring your tube tester right up-to-date. Shipping weight 4 lbs.

**K11511—List \$3.75 \$2.20**  
Your Cost

No. 167 is a special adapter used only with Readrite Nos. 610 and 710 set testers connected to the cable plug for testing seven-prong tube circuits. Six-hole socket with one center prong on a seven-prong plug. Shipping weight 8 oz.

**K11515—List \$1.00 \$0.59**  
Your Cost

No. 57 Adapter is used for testing 57, 58, 89, 41 and 42 type tubes in early model tube testers which are provided with sockets for testing the 215 or 210 type tubes. Consists of a six-hole socket on a four-prong plug. Shipping weight 8 oz.

**K11509—List 75c \$0.44**  
Your Cost

No. 58 Adapter is used to equip earlier model set testers not having a six-hole socket when used for testing circuits using six-prong tubes. This is a double adapter connected with a 40" cord. Shipping weight 1 lb.

**K11510—List \$1.50 \$0.88**  
Your Cost

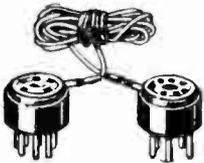
No. 175 Adapter is used to test from the seven-hole receiving set socket using the No. 59 tube. This is used in Readrite model No. 245-A, No. 700, and No. 600 testers. It is a double adapter connected with a 40" cord. Shipping weight 1 lb.

**K11512—List \$2.00 \$1.18**  
Your Cost

No. 176 Adapter is used for testing from the seven-hole receiving set socket using the No. 59 type tube, used in Readrite Model 610 and 710 testers, which are not equipped with seven-hole sockets. Double adapter connected with a 40" lead. Shipping weight 1 lb.

**K11513—List \$1.50 \$0.88**  
Your Cost

## Na-ald Adapter No. 975DW

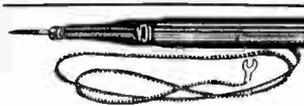


Socket analysis of 7-prong tube circuits with set analyzers which can test the 24-tube circuits. Twin adapter with a 5 ft. interconnecting lead. The 7-prong adapter has a 5-hole top with a 6" lead with control-grid clip. The 5-prong adapter has a 7-hole top and a 6" lead ending in a phone tip. Measures all voltages and current.

**K11606—List \$3.00 \$1.76**  
Your Cost

Same as above, except for the new type set analyzers having a UY latch lock analyzer plug.

**K11607—List \$3.00 \$1.76**  
Your Cost



continuity. May also be used as trouble flashlight. When used with Neon lamp D. C. and A. C. circuits of any voltage may be tested for continuity and approximate strength. Complete with battery and bulb. Shipping weight 1 lb.

**M12984—List \$2.00. Your Cost Each \$1.10**

## Detect-o-Zite

A Neon lamp enclosed in a Bakelite case with two flexible leads. Indicates whether voltage is A. C. or D. C. Detects live and ground side of house wiring systems. Indicates polarity of D. C. voltages between 110 and 550. Shipping weight 8 oz.

**M12985—List \$1.50 \$0.88**  
Your Cost

## Victor Speaker Plug

Used on the Victor speaker, for Set Models R-32, RE-45, R-52, RE-75. Heavy plated contact prongs, molded in genuine Bakelite. Equipped with a metal guard. Shipping weight 8 oz.

**W19223—List 75c \$0.25**  
Your Cost Each

## Victor Female Receptacle



Used on the Victor amplifier, for Models R-32, RE-45, R-52, RE-75. Equipped with 16 heavy duty plated positive contact springs. Genuine molded Bakelite form. Four isolated contact springs for use of speaker field supply and output to voice coil. Other twelve springs are for plate and filament voltages for receiver.

**W19222—List 75c \$0.45**  
Your Cost

## Short-o-Tester

Contains 2 1/2 volt lamp and small flashlight battery. Indicates closed or open circuits when its flexible lead and pin terminal are introduced into the circuit. Ideal for testing continuity.

**M12984—List \$2.00. Your Cost Each \$1.10**

## DELUXE MODEL

Similar to the standard model except that leads are longer, removable and instrument enables one to reach hard-to-get-to places. More convenient to use. Shipping weight 1 lb.

**M12986—List \$2.00 \$1.18**  
Your Cost Each

## Make Your Own Adapters Using the Eby Tube and Circuit Socket Sections

Eby Tube and Circuit Adapters have interchangeable features that make them adaptable to every adapter requirement. A moulded Bakelite socket section fits into a standard tube base section. A 1/4" hole is provided in the side of the standard plug sections for bringing in leads for cutting in external circuits. Any combination can be worked out with these adapter sections. Shipping weight 8 oz.

## Wired Tube and Circuit Adapters Without Hole At Side

Stock No.	Combination Socket to Plug	Your Cost
M13010	4 to 4	\$ .25
M13011	4 to 5	.25
M13012	4 to 6	.30
M13013	5 to 4	.25
M13014	5 to 5	.30
M13015	5 to 6	.30
M13016	6 to 4	.35
M13017	6 to 5	.35
M13018	6 to 6	.35

## Unwired Tube and Circuit Adapters

Has a 1/4" hole on side for external connections. Dimensions of assembled adapters: Body, 1 1/4 x 1 1/4 high. Tube prongs 1/2" long. Shipping weight 8 oz.

Socket Section		Your Cost
Stock No.	Number of Prongs	
M13115	4	\$ .15
M13116	5	.20
M13117	6	.22
M13118	7	.25
Plug Section		Your Cost
Stock No.	Number of Prongs	
M13119	4	.12
M13120	5	.15
M13121	6	.17
M13122	7	.20

## Readrite Adapters

No. 54 adapter is used for set testing, adapting the 5-prong cable plug for testing in four hole sockets.

**K11500—List 75c \$0.44**  
Your Cost

No. 45 adapter contains a 4-prong socket on a 5-prong plug.

**K11501—List 75c \$0.44**  
Your Cost

**Phono Adapters**  
For sets using "C" bias detector circuits and which are not already equipped with convenient pick-up connections. List Price \$1.00

**M13125—List \$1.00 \$0.55**  
Your Cost

## Wafer Type

Sets having Grid Leak Detection. **M13126—List \$1.00 \$0.23**  
Your Cost Each

## Earphone Adapter

Allows the use of headphones with the most powerful sets. No wires needed. Inserts in power tube socket and allows one or more headphones to be used. Shipping weight 8 oz. List \$1.50

**L12625—4-Prong \$1.50**  
**L12626—5-Prong \$1.50**  
Either Type, Net **\$0.85**

## Eby Plug and Socket Cable Connectors

Moulded Plug Cable Connectors. For installations where wires of a cable are connected to the prongs of the male plug. Designed to fit the standard tube sockets and Eby female cable connectors. Equipped with soldering lugs and removable cap. Shipping weight 8 oz.

Stock No.	No. Prongs	Size Hole in Cap	Your Cost
M13040	4	5/16"	\$ .15
M13041	5	5/16"	.15
M13042	6	7/16"	.17

## Female Socket Cable Connectors

Moulded female connector consists of a moulded cap and a socket assembly. The two fit together by means of a bayonet arrangement which permits quick and positive assembly and disassembly. Shipping weight 8 oz.

Stock No.	No. Prongs	Size Hole in Cap	Your Cost
M13043	4	5/16"	\$ .19
M13044	5	5/16"	.19
M13045	6	7/16"	.19

## Eby Laminated Male Plugs

These male plugs offer one of the simplest and lowest cost methods of making multiple circuit connections. Bakelite discs.

Stock No.	No. of Prongs	Your Cost
M13037	4	\$ .08
M13038	5	.08
M13039	6	.08

## Na-ald Phono-Radio Adapter

949SW—A adapter connects a phonograph pick-up to a UX tube and provides a method of switch from Radio to Phonograph, by means of two phone tip connectors and two 18" leads to be attached to a switch. This provides a suitable arrangement without disturbing any wiring or the adapter. A suitable toggle switch can be mounted either on the front or side of cabinet. No switch supplied. Shipping weight 8 oz.

**K11608—List \$1.25 \$0.73**  
Your Cost

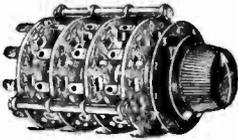
## ICA Speaker Adapter

So designed that additional speakers can be connected to all radio sets using push-pull amplification without rewiring or making any soldered connections. Two wafer sockets fit between socket and base of output tubes thus connecting the extra speaker across the plates. Complete with cord and cord connector. Shipping weight 8 oz. List \$1.00

**L12610—4-Prong \$1.00**  
**L12611—5-Prong \$1.00**  
Your Cost **\$0.57**

# YAXLEY Plates and Gang Switches

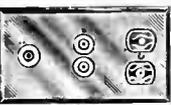
## Yaxley Gang Switches



These multi-point rotary tap switches as illustrated have been especially designed to meet the requirements of the most exacting Radio and Electrical Engineers for use in short wave and long wave receiving sets, test equipment, radio sound installations, etc. Single gang units with from two to ten points are commonly used in tapping resistances, transformer, coils, etc. Two gang units with two to ten points are widely used in wiring radio receiving systems in hotels, hospitals, schools, etc., where a selection of two or more programs are offered. Also in meter circuits and test equipment, to break both sides of line. Multiple gang switches with two to ten points are adaptable for switching from short to broadcast or long wave reception in combination receivers.

TWO POINT		Your Cost	Stock No.	List	Your Cost
F6505	1 Gang	\$ .90	F6523	3 "	2.20
F6506	2 "	1.50	F6524	4 "	2.80
F6507	3 "	2.10	<b>SEVEN POINT</b>		
F6508	4 "	2.70	F6525	1 Gang	\$ .95
<b>THREE POINT</b>			F6526	2 "	1.60
F6509	1 Gang	\$ .90	F6527	3 "	2.20
F6510	2 "	1.50	F6528	4 "	2.80
F6511	3 "	2.10	<b>EIGHT POINT</b>		
F6512	4 "	2.70	F6529	1 Gang	\$ 1.15
<b>FOUR POINT</b>			F6530	2 "	1.90
F6513	1 Gang	\$ .90	F6531	3 "	2.50
F6514	2 "	1.50	F6532	4 "	3.10
F6515	3 "	2.10	<b>NINE POINT</b>		
F6516	4 "	2.70	F6533	1 Gang	\$ 1.15
<b>FIVE POINT</b>			F6534	2 "	1.90
F6517	1 Gang	\$ .95	F6535	3 "	2.50
F6518	2 "	1.60	F6536	4 "	3.10
F6519	3 "	2.20	<b>TEN POINT</b>		
F6520	4 "	2.80	F6537	1 Gang	\$ 1.15
<b>SIX POINT</b>			F6538	2 "	1.90
F6521	1 Gang	\$ .95	F6539	3 "	2.50
F6522	2 "	1.60	F6540	4 "	3.10

All switches have low capacity contact arm. Prices on 5 to 10 points -5 to 9 gang quoted on request.



**For Loud Speaker, Aerial and Ground with Duplex A. C.**

Loud Speaker Jack—aerial and ground pin jacks and duplex A. C. receptacles three-gang plate. Shipping weight 1 lb. each. F6388—Brass F6389—Bakelite No. 353 List Price \$3.00 Your Cost **\$1.76**

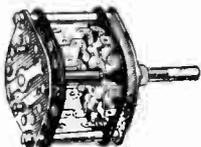


**For Multiple Connections**

Multiple 22 conductor polarized connector plug and receptacle mounted in single-gang plate wherever a multi-contact receptacle is needed. Shipping weight 1 lb. each.

F6384—Brass—No. 122 List Price \$5.00 Your Cost **\$2.94**

## Truest Rotary Switches

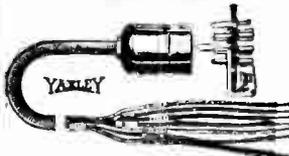


Sturdy construction, steel end plates; 1/4" shaft. Noiseless in operation. Double surface cutting, self cleaning silver plated contacts. Bakelite insulation, rustproof frame. Size 1 1/4 x 2 1/8" length depending on number of sections. Shaft 1 in. long. Wiring diagram with each For Convertors and S-W Superheterodynes; 4-pole 5-position in two sections. Shipping weight 1 lb. each. M12842—Each **98¢**

For a two range TRF Receiver; or where a long-wave or short-wave band and broadcast band are to be included in one chassis; 6 pole 2 position, three sections. M12843—Each **\$1.15**

For a superheterodyne circuit combined with a TRF stage; 6 pole 5 position, 3 sections. M12844—Each **\$1.30**

## Yaxley Cables and Connectors



Brings battery wires to set in one compact cable, easily disconnected for cleaning. Can not be connected improperly. RMA color coded; tagged cables. Sub-panel types have bracket type male and round Bakelite female plugs.

F6400—No. 660—7 conductor cables 5 feet long for sub-panel mounting. Shipping weight 2 lbs. List Price \$3.00 Your Cost **\$1.76**

F6401—No. 612—12 conductor cable 4 feet long for sub-panel mounting. Shipping weight 2 lbs. List Price \$5.00 Your Cost **\$2.94**

F6403—No. 680—7 conductor mounting. Shipping weight 1 lb. Bracket only. List Price 75¢ Your Cost **44¢**

F6399—No. 682—12 conductor mounting. Shipping weight 1 lb. Bracket only. List Price \$3.00 Your Cost **59¢**

## Yaxley Radio Convenience Outlets

### Loud Speaker and Duplex A. C. Outlets

Phone Jack and two A. C. Receptacles. No. 242. F6416—Brass F6417—Bakelite List \$2.00 Your Cost Each **\$1.18**



### Antenna and Ground Outlet

Two Pin Jacks marked "Ant." and "Gnd." No. 156. F6406—Brass F6407—Bakelite List \$1.75 Your Cost Each **44¢**

### Volume Control and Loud Speaker

Regulates volume on each separate reproducer. No. 131. F6422—Brass F6423—Bakelite List \$2.75 Your Cost Each **\$1.62**

### Two Jacks for Dual Channel System

Both marked "Radio". For speaker connection. No. 142. F6408—Brass F6409—Bakelite List \$1.75 Your Cost Each **\$1.03**

### For Loud Speaker or Head Phone Connection

No. 135, Single Jack, marked "Radio." Shipping weight 1 lb. F6404—Brass F6405—Bakelite List 90¢ Your Cost Each **53¢**

For two or more loud speakers on same line. Has 2200 ohm impedance to compensate when one speaker is connected. No. 134, single jack marked radio. Shipping weight 1 lb. F6397—Brass F6398—Bakelite List \$2.50 Your Cost **\$1.47**

### For Aerial, Ground and Duplex A. C.

Two Pin Tip Jacks and two A. C. Receptacles. No. 256. Shipping weight 1 lb. F6414—Brass F6415—Bakelite List \$1.50 Your Cost Each **88¢**



No. 256A. Same as No. 256 excepting with Underwriters Special Yaxley 2-gang outlet box.

F6395—Brass F6396—Bakelite List, with box \$2.00 Your Cost **\$1.18**

### For Aerial, Ground and A. C. Outlet

Two Pin Tip Jacks and Single A. C. Receptacles. No. 133. F6420—Brass F6421—Bakelite List \$1.35 Your Cost **79¢**

No. 133A. Same as 133 but including Underwriters special Yaxley single gang outlet box with built-in separator. F6393—Brass F6394—Bakelite List Price, with outlet box, \$1.70 Your Cost **\$1.00**

### Seven Conductor Jack With Plug

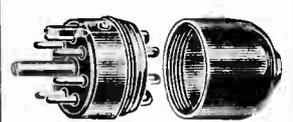
For battery cables and miscellaneous uses. No. 137. F6410—Brass F6411—Bakelite List Price \$2.50 Your Cost Each **\$1.47**

No. 132. Same as 137, described above, but has twelve conductor jack with plug. F6391—Brass F6392—Bakelite List Price \$3.00 Your Cost **\$1.76**

Shipping Weight 1 Lb. Each

## Yaxley Cable Connector Parts

### Pin Plugs



Featuring Bakelite insulation; positive spring contacts; no loosening of pins or springs in soldering. Polarized plugs; plainly marked terminals.

**Cover Type**  
F6375—No. 635. Pin plug with cover—7 conductor. List Price \$1.00 Your Cost **59¢**

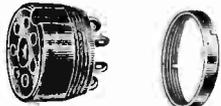
F6376—No. 625. Pin plug with cover—12 conductor. List Price \$1.25 Your Cost **74¢**

F6377—No. 631. Pin Plug with mounting ring—7 conductor. List Price \$1.00 Your Cost **59¢**

F6378—No. 617. Pin plug with mounting ring—12 conductor. List Price \$1.25 Your Cost **74¢**

Shipping Weight 1 Lb. Each

## Receptacle Plugs



Designed for easily and quickly making or breaking multiple connections. Are used in radio and other electrical equipment, auto receivers, sound equipment, etc.

**Ring Type**  
F6379—No. 645. Receptacle plug with cover—7 conductor. List Price \$1.00 Your Cost **59¢**

F6380—No. 615. Receptacle plug with cover—12 conductor. List Price \$1.25 Your Cost **74¢**

F6381—No. 644. Receptacle plug with ring—7 conductor. List Price \$1.00 Your Cost **59¢**

F6382—No. 614. Receptacle plug with ring—12 conductor. List Price \$1.25 Your Cost **74¢**

Shipping Weight 1 Lb. Each

# UNIVERSAL MICROPHONES



## Universal Model "LL"

An extra rugged heavy type two-button carbon microphone. The entire assembly is of high carbon steel, ground to within .001 of an inch accuracy. The diaphragm is of alloy of exactly the proper hardness and stretch to secure the best results. Pure gold contact points on each side. The materials used and the precision of manufacture combine to make this model stand out as the superlative microphone, reproducing a range of from 30 to 7000 cycles.

Model "LL" is 3 1/2" in diameter by 1 3/4" thick and is standard 200 ohms per button. Net weight 2 1/4 lbs. Shipping weight 3 1/2 lbs.  
**M13403 - List Price \$75.00**  
**Your Cost Each \$44.10**

## Universal Model "KK"

A substantial, solid two-button broadcast microphone with a very minimum hiss. Model "KK" is carefully constructed of the finest materials with a 24 Kt. pure gold spot center alloy diaphragm which is held under tension. Diaphragm has a thickness of only .002". The frequency range of the "KK" is all that can be desired in a carbon microphone, from 50 to well over 6000 cycles. Buttons 200 ohms each. Entire microphone finished in 24K. polished gold. It is 2 1/2" in diameter and 1 1/4" thick. Each unit is carefully tested before shipment. Net weight 1 1/4 lbs. Shipping weight 2 1/2 lbs.

**M13404 - List Price \$50.00**  
**Your Cost Each \$29.40**



## Baby Mike for Home Entertainment

Baby Mike is a genuine single-button carbon microphone of 200 ohms resistance in a die-cast mounting 3 1/2" high.

An outstanding feature is adjusting screw at top near press button permitting operator to leave circuit "open" or "closed" when mike is not used. An additional feature is the cushioning of diaphragm to prevent excessive "feed-back" from the speaker. Finished in highly polished chrome plate. Complete with 25-foot cord, prong adapter for connection to tube, pin plugs for connection to jacks or binding posts and detailed instruction sheet describing construction and several methods of adaptation. Shipping weight 4 lbs.

**M13439 - List Price \$7.50**  
**Your Cost \$2.95**



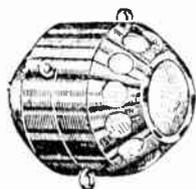
## Universal Model "QRXF"

### QRQ Microphone Mounted on Junior Input Stage

An ideal combination for amateur usage. Simple and very easy to connect. Requires one flashlight mono-cell for operation. The transformer improves both volume and quality over any direct application of microphone to detector tube. Has potentiometer volume control which also operates battery switch. When used for home entertainment, the program and speech may be returned and faded in and out by the volume control. Amplifier box finished in russet leatherette. Shipping weight, 8 lbs.

**M13408 - List Price \$12.00**  
**Your Cost Each \$7.06**

## Torpedo Microphones



New type of microphone supplied to meet the steadily growing demand for microphones which in themselves are fully protected, more compact, and can be quickly demounted. Connection is made to three spring jacks into which telephone pin terminals are plugged.

Not supplied with cord. The polished chrome plated perforated and screen cup housings are of heavy brass and are firmly fastened. Can not be removed accidentally. Supplied in standard models "BB", "KK", "LL." Maximum shipping weight 4 lbs.

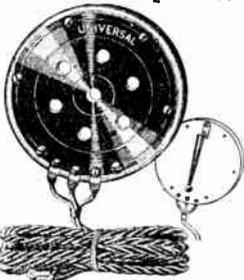
**M13471 - With "BB" Mike. Shipping weight 7 lbs. List Price \$30.00**  
**Your Cost \$17.64**

**M13472 - With "KK" Mike. Shipping weight 6 lbs. List Price \$55.00**  
**Your Cost \$32.34**

**M13473 - With "LL" Mike. Shipping weight 7 lbs. List Price \$80.00**  
**Your Cost \$47.04**

We can supply all Universal products, whether or not listed in this catalog, at maximum trade discounts.

## New Midget Models 2-Button Lapel Microphone



This model confirms the reputation for quality and performance. A full fledged, 2-button natural toned instrument of precision craftsmanship. Thin, compact and light in

weight, this is truly a laboratory designed, built and tested unit. The hiss, common in all carbon microphones has been reduced to a minimum thus assuring perfect reproduction of pronunciation and one's stress of chosen words. With this microphone clipped to the lapel, one need but speak in a natural tone of voice and with head held at any angle, the result will always be of the highest quality. The cord can be easily and quickly removed or replaced. Diameter 2 1/4", thickness 3/8". Shipping weight 1 lb.

**M13438 - List Price \$25.00**  
**Your Cost \$14.70**

## Model "W" Watch "Mike"



Universal Model "W", the Perfected Watch Model Microphone, is the smallest completely protected and workable single-

button microphone manufactured. Supplied particularly for the many special uses requiring a small, very sensitive compact microphone that can be depended upon to give full quality performance. A favorite type for use in hidden positions or on the coat lapel. High sensitivity, light weight and compactness are the special features of this model. 200 ohms. Equipped with Pure Gold Spot Center Diaphragm, completely enclosed. Size 1 7/8" in diameter, 1/2" in depth. Shipping weight, 3 lbs.

**M13443 - List Price \$3.00**  
**Your Cost \$1.76**

## Super-Sensitive Midget

### Model "Y"

Universal Model "Y" is even lighter, smaller and sensitive than Model "W", described above. It is of the same general construction, except that the front face of the microphone is the diaphragm proper. This model is extremely sensitive, when placed in any hidden position, it will pick up sounds and conversations. Recommended for use where high sensitivity and extreme compactness are necessary. Should be placed in protected locations, behind screen or grill work. Suitable for use with some of the less expensive types of ear phones. Because of the exposed diaphragm, great care must be exercised in handling. Shipping weight 1 lb.

**M13444 - List Price \$2.00**  
**Your Cost \$1.18**



## Universal Model "BB"

The most popular double-button public address Microphone in America. Nearly twice as heavy as any other microphone in its class. Built to hair-line precision. An idea of its

ruggedness can be obtained by the fact that Model "BB" is 3" in diameter and 2" thick. Built especially for voice pickup, public address work and for amateur broadcasters, etc. Beautifully finished in highly polished chrome plate. 24K. pure gold spot centers. Frequency response 70 to 5000 cycles, 200 ohms per button. Net weight 1 lb. Shipping weight 2 1/2 lbs.

**M13405 - List Price \$25.00**  
**Your Cost Net \$14.70**

## Universal Model "X"

Available in either single or two button type. Resistance 200 ohms per button. May be mounted in any position. Scientifically damped, laboratory tested. Dur-aluminum diaphragm, pure gold contact points. Frequency response 100 to over 4000 cycles. Beautifully finished. Shipping weight, 3 lbs.

**M13412 - Single Button Model "X". List Price \$7.50**  
**Your Cost Each \$4.41**

**M13413 - Double Button Model "X". List Price \$10.00**  
**Your Cost \$5.88**



## Universal Model "A"

The most highly developed single button microphone on the market. Constructed with solid 24K. gold faced button and highest grade carbon granules which reduces hiss to a minimum.

Equipped with an extremely thin, light weight diaphragm which is also gold faced. The scientific damping permits Model "A" to handle frequencies from 100 to 3000 cycles. Single button is 200 ohms resistance. Diameter 3", thickness 1 1/4". Polished chrome finish. Shipping weight 3 lbs.

**M13406 - List Price \$15.00**  
**Your Cost \$8.82**



## Universal "Handi-Mike"

Available in both single and double button types. Pre-eminent for all uses where a hand microphone is desired. Intended for voice only and in this field it has a maximum volume with clear and clean cut speech reproduction. Finished in beautiful chrome plate. Has on and off switch and 15 foot cord. Length 6". Head 2 1/4" diameter. 200 ohms per button. Shipping weight 2 1/2 lbs.

**M13409 - Single Button. List Price \$10.00**  
**Your Cost \$5.88**

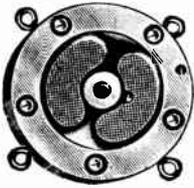
**M13410 - Double Button. List Price \$15.00 - Your Cost Each \$8.82**



## Free!

Eight Microphone Springs with each Universal Microphone

# LAFAYETTE Microphones



## Model "75"

**DELUXE MODEL "75"** is unquestionably the finest two-button carbon microphone that money can buy. Response, 30-8000 cycles. Extra large and rugged. Resistance, 100 ohms per button. Designed especially for studio and other uses where perfect reproduction of both music and the spoken word is required. Stretched diaphragm is of Duralumin .002 inch in thickness, with solid gold contact points where the carbon contacts the diaphragm. This insures an absolute minimum of carbon rush, resulting in an extremely quiet carbon unit. Diaphragm is protected by a steel screen to prevent damage from handling or accident. Extra heavy chromium plated brass frame measures  $3\frac{7}{16}$  inches in diameter,  $\frac{13}{16}$  inch thick. Actual weight, 2 lbs., 3 ozs. Shipping weight 5 lbs.

M13422—List \$75.00  
Your Cost Each

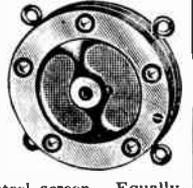
**\$34.50**

## Model "50"

**DELUXE MODEL "50"** is a substantial, solid, two-button broadcast microphone, with a very minimum of hiss. Carefully constructed of the finest materials, with 24Kt. pure gold contact points. Duralumin diaphragm of only .002 inch in thickness. Microphones similar to the model 50 are used in many broadcasting stations around the country and are giving satisfactory service. Heavy brass frame, chromium plated. Frequency response, 30-7000 cycles. Diaphragm protected with steel screen. Equally suitable for voice or music. Resistance, 100 ohms per button. One of the finest carbon microphones ever offered at our low price. Each unit is critically tested and inspected before shipment, and carries standard R. M. A. guarantee. Size,  $3\frac{3}{16}$  inches diameter,  $\frac{23}{32}$  inch thick. Actual weight, 1 lb., 9 ozs. Shipping weight 5 lbs.

M13421—List Price \$50.00  
Your Cost Each

**\$22.50**



## Lafayette Floor Stands Extra Quality

Lafayette microphone stands are sturdy in construction, beautiful in appearance and make a welcome addition to any public address system. Stand No. 1 is of modernistic design with satin silver and black finish. Columns are fluted and bases are attractively designed in the modern manner. Extra heavy construction and weighted bases. Loops in sides of barrel for cables. Bases have felt tips.



No. 1



No. 2

Extends from 36 to 70 ins. The Lafayette Stand No. 2 is of the same rugged construction. Made of a rich satin finish white metal with die cast ring and weighted base. Ring is 7 ins. in diameter and base is 5 ins. in diameter. Adjustable from 46 to 74½ ins.

Stand No. 1. Shipping wt. 10 lbs. **\$8.75**  
M13431—Your Cost

Stand No. 2. Shipping wt. 10 lbs. **\$4.95**  
M13428—Your Cost

## Lafayette Desk Stands



Type A



Type B



Type C

The styles illustrated above, while of different design, are of the finest construction throughout. Type "A" is of modernistic design, satin silver and black finish. Fluted column. Extra heavy with weighted base. Loops in sides of barrel for cables. Base has felted tips. 9 ins. high. Ring, 6 ins. Shipping weight 10 lbs. **\$3.95**  
M13430—Your Cost

Type "B" has a rich satin finish that makes it comparable with stands costing twice as much. Height 11½ ins.; diameter of ring, 6¾ ins.; diameter of base, 5¼ ins. Shipping weight 4 lbs. **\$2.45**  
M13447—Your Cost

Type "C" is a very neat appearing stand of satin finish white metal with die cast ring and weighted base. Ring is 7 ins. in diameter; base is 5 ins. in diameter. Overall height 13¾ ins. Neither of these types are adjustable. Shipping weight 6½ lbs. Stand only. **\$3.50**  
M13427—Your Cost

## Lafayette Suspension Ring

New type, cast in Bronze, nickel plated, with 4 spring loops; 4 outside lugs. Including 8 locking springs. Diameter 5¾". Shipping weight 1½ lbs. **\$1.45**  
M13448—Your Cost



## Model "Twenty-Five"

A very efficient two-button carbon Microphone which will give entirely satisfactory service in less critical public address installations. Frequency response, 40 to 4000 cycles.

Resistance, 100 ohms per button. Heavy chromium plated brass frame. Special alloy diaphragm with 24Kt. gold contact points. Size 2¾ inches diameter, ¼ inch thick. Shipping weight 4 lbs.

M13420—List Price \$25.00 **\$10.95**  
Your Cost Each

## Double Button Utility Microphone



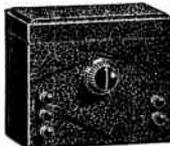
M13483—List \$23.00 **\$14.95**  
Your Cost

## Single Button Utility Microphone

Especially designed for use where a utility microphone of single button construction is desired. Intended for voice only. Best quality material and workmanship throughout. Finished in beautiful polished plate. Equipped with an off and on switch and 12 ft. of silk-covered cable. Shipping weight 3 lbs. **\$3.95**  
M13482—List Price \$8.50  
Your Cost



## Lafayette Input Stages



## Double Button

For two button microphones and consists of potentiometer volume control, transformer, switch and a battery receptacle enclosed in a wooden cabinet 4x6½x5½". For matching any two-button microphone to filament and grid of tube if connected to amplifier or phonograph jack. The volume control is across the secondary of the transformer. Box finished in black leatherette. Equipped with 25 ft. 2-conductor cord and full directions. Shipping weight 5 lbs. **\$5.95**  
M13487—List Price \$12.50  
Your Cost

## Single Button

Similar to above; for all single button microphones. Shipping weight 4 lbs. 3½x6x3½ ins. **\$3.75**  
M13488—List Price \$8.00  
Your Cost

## Lafayette Desk Stands and Suspension Ring



Your Cost Each **\$3.95**

Two items in one—Remove base, replace the loop end screw and the two covers form a perfect Suspension Ring; if a Desk Stand is desired, no better looking one could be found than the Lafayette Combination, when the base is left attached. Made of copper, heavily chromium plated. Size 6¾ ins. high (with base), diameter of rings, 5 ins.; of base, 5¾ ins.; proper size to accommodate all popular sizes of microphones. A set of microphone springs included. Shipping weight 2 lbs. **\$3.95**  
M13446

## Lafayette Combination

## Four-in-One Microphone Stand



A novel and extremely practical arrangement. Four types in one. 1—Desk Type is as illustrated. 2—Remove base, replace the loop end screw and the two covers form a Suspension Ring. 3—Remove screw and insert handle, making it now a Hand Mike, most essential in portable work. 4—Remove handle and insert long tube in both covers and base and you now have an Extended Desk Type Stand of latest design. Heavy chrome plated on copper. Size: 8" high (with base); space between covers, 2¾"; diameter of base 5¾"; length of handle, 4½"; length of extension tube, 6¾". Any of the popular size microphones will fit in the case. A set of microphone springs are included in the combination. A quality product that adapts itself to all needs. Shipping weight 2 lbs. **\$5.95**  
M13419—List \$13.00  
Your Cost Each

## Crystal Microphone

Piezo-electric principle. Does not require button current or polarized voltage. Frequency response, 20 to over 8000 cycles. Works into grid of first tube of amplifier if within 30 ft. of mike. Only grid leak or volume control being used. May be adapted to 200 and 500 ohm lines. Shipping weight 4 lbs. **\$30.00**  
M13437—Your Cost



## Tone Control



Is a vital necessity in every public address installation; used in conjunction with any microphone. On voice tone, an extremely high pitch may be toned down to a lower and a deep, gruff voice modified to a higher frequency. Also in installations where there is a feed-back. Is 2½x5x2½ ins. Shipping weight

2 lbs. **\$2.75**  
M13489—List \$6.50  
Your Cost

Perfect Merchandise - Prompt Shipment - Personal Service



# ELLIS Microphones



These Microphones and other products made by Ellis, are manufactured and assembled with the strictest and most precise workmanship possible, under the most rigid tests devised for their inspection while under process. All materials are subjected to a series of inspections and tests to insure their absolute uniformity. The same care is exercised to insure these products reaching you in the same perfect condition as when inspected. All the experience and knowledge gained in thirteen years work, have been concentrated on making Ellis' products the finest in their line. As an example of this the Demountable type was designed for prevention from theft, and exposure to the weather, by making the Unit easily removable and replaceable from the supporting frame. The cable connections are entirely independent. The Unit can be removed without disconnecting any wires; without unlacing and relacing a set of springs, and without a chance of a mistake being made in cable connections when re-connecting the Unit. The various models of microphones described are made to cover the general needs and requirements. We have incorporated every worth while feature in our new microphones. This with the quality of the materials and workmanship

used, guarantees our units to give the utmost satisfaction, in clear, clean cut natural reproduction, and a sensitivity developed to the highest degree, with a frequency range all that could be desired by the most exacting. Only the highest grade carbon granules, used in all models. All these features insure superior performance under the most trying conditions.

## Ellis Models 30 and 29

The Ellis Microphones Models 30 and 29 differ from each other only as to diaphragm material and adjustment. Both operate best at from four to eight milliamperes per button. Total resistance is 400 ohms D. C. or 200 ohms D. C. per button. Frequency curve from 30 to 8000 cycles. Relatively flat from 64 to 6000 cycles. The size of either type: 4 1/2" in diameter and 1 5/8" thickness. The Model 30 is recommended for Voice and Music. It is designed for general high quality microphone reproduction and will be found to be particularly effective in the following uses. 1. Broadcast studio, for high quality reproduction. 2. Remote control pick-up connecting with broadcasting studios. 3. Indoor and outdoor public address systems. Comes nickel plated. The Model 29 is recommended for the speaking voice only. This model is the most sensitive microphone made in America today. It is especially suitable for: 1. All sorts of public address systems. 2. Broadcast-station announcing of voice. Has been successfully used in pick-up of music. This unit is also nickel plated. The Ellis Microphones models 30D and 29D correspond to Models 30 and 29 plus the incorporation of a new and exclusive mounting feature. This feature makes the microphone easily removable and replaceable from the supporting frame and adds to prevention from theft and exposure to the elements. Demountable types come complete with fittings.



- Model 30. Shipping weight 3 1/2 lbs. List \$40.00
- M13388—Your Cost**.....\$23.50
- Model 29. Shipping weight 3 1/2 lbs. List \$40.00
- M13389—Your Cost**.....\$23.50
- Model 30D. Shipping weight 3 1/2 lbs. List \$45.00
- M13390—Your Cost**, with demountable feature.....\$26.45
- Model 29D. Shipping weight 3 1/2 lbs. List \$45.00
- M13391—Your Cost**, with demountable feature.....\$26.45

## Ellis Microphone

### Model 10



The Ellis Model 10 is designed to meet the demand for a low priced two-button microphone. Regardless of this fact it is the most efficient unit made today in its price class, both as to the quality of materials and workmanship used. While this model is not recommended for music, it is most effective for voice, public address systems, amateur broadcasters, speaker wagons, etc. In this particular field, it has a maximum volume, reproducing speech clearly and distinctly. Is extremely sensitive. It operates best at 6 to 8 M. A. per button and the limit of guarantee is 10 M. A. per button. Total internal resistance 400 ohms D. C., or 200 ohms D. C. per button. Its frequency range is from 45 to 4000 cycles. Diameter over all 3 3/8"; thickness 1 1/4" over-all. Shipping weight 1 lb.

**M13385—List \$12.00**  
**Your Cost**.....\$5.75

### Model 12



The Ellis Model 12 Hand Microphone is the only unit of its kind made today. It is a real two-button microphone. The diaphragm consists of a special corrugated, gold plated metal. This unit is especially useful for industrial talking picture machines, home recording, public address outfits, etc. It operates best at six to eight milliamperes per button. Limit of guarantee 10 M. A. per button. Total internal resistance 400 ohms D. C. or 200 ohms D. C. per button. The frequency range is from 45 to 4000 cycles. Dimensions are as follows: Diameter of unit, 2 1/4"; diameter of handle, 1 3/8"; thickness over all, 1 1/2" and length over all, 6 1/2". Unit is nickel plated and is furnished complete with 6 ft. of unshielded three wire cable. Shipping weight 1 1/4 lbs.

**M13386—List Price \$15.00**  
**Your Cost Each**.....\$8.80

## Ellis Microphone Model 25



The model 25 Ellis Microphone meets the universal need for a less expensive microphone having the qualities of the higher priced models. The frequency response is from 40 to 7000 cycles. Resistance per button is 200 ohms. Used for broadcast of music and voice, etc. Nickel plated. The Model 25D corresponds to Model 25 except that it has the new quick-demountable feature, making it easily removable and replaceable and allows the cable connections to be entirely independent. Model 25. Shipping weight 2 1/4 lbs.  
**M13382—List \$30.00**  
**Your Cost Each**.....\$17.64  
Model 25D. Shipping weight 2 1/4 lbs.  
**M13383—List \$35.00—With demountable feature.**  
**Your Cost Each**.....\$20.55

## Ellis Microphone Model 20

Exceedingly effective for both voice and music in the following use: Small outdoor public-address systems, where it is possible to pick up voice and music at close range. By taking advantage of the fact that this unit is less sensitive than the larger models, it is possible to minimize or completely eliminate "feed back" and other noises. In this case, one has but to reduce current to two or three milliamperes per button and speak directly into the microphone. This instrument operates best at from four to eight milliamperes per button. Limit of guarantee, ten milliamperes per button. The total resistance is 400 ohms D. C. or 200 ohms D. C. per button. It has a frequency range of from 60 cycles to 6000 cycles. Diameter over all, 3 1/2". Thickness over all 1 1/2". All units are nickel plated. Shipping weight 2 1/2 lbs.

**M13387—List Price \$25.00**  
**Your Cost Each**.....\$14.70

## Ellis Portable Stand



This new stand will have a strong appeal to those in the field. Very rigid, light in weight. Legs have a spread of 28", insuring stability. Height adjustable from 3 1/2 to 6 1/2 ft. Legs fit a special casting designed to prevent twisting. Fittings are heavily nickel-plated bronze. Stand has new type head and eight special locking springs. Folded is 25" long. Has black parkerized rust proof finish. Shipping weight 11 lbs.

**M13491—List \$18.00**  
**Your Cost**.....\$10.58

## Desk Stand

Designed to meet the demand for a low-priced stand. Is especially adaptable for the Ellis No. 10 and No. 20 Model Microphone. Stand is of cast iron, finished in Aluminum Lacquer. Complete with eight springs. Shipping weight 5 lbs.

**M13492—Size 5 1/4 x 7 1/4"**  
**Your Cost**.....\$1.50

## Condenser Microphone



At last, a real Condenser Microphone with many features and performance approximating the most expensive types. Was designed after years of study and experimentation and it is offered to the most critical. The Head of the Microphone is milled from the bar and heavily plated. The case and base are of cast Aluminum finished in Black Crystal. Two stage amplifier is built into the case, using 2 type '30 tubes. Output is 50 and 200 ohms. Head easily removable. Can be used as replacement of any type Carbon Microphone. Battery supply of 6 volts and 180 volts needed for operation. No hiss, no distortion, will not blast. Its reproduction is clear, clean-cut and natural toned, with a sensitivity developed to the highest degree, and a frequency range to satisfy the most exacting. Gives superior performance under all conditions. Practically flat response. Furnished complete with tubes and 25 foot shielded cord. Unusually fine appearance. Shipping weight 20 lbs.  
**M13497—List \$65.00**  
**Your Cost**.....\$38.20

## Two-Button Carbon Microphone



A two-button quality Microphone, ruggedly constructed; finished in Chrome Plate. Has pure Gold contacts, and Gold plated alloy diaphragm. Correctly damped. Total resistance 400 ohms; 200 ohms per button. Has a natural tone. Low hiss level. Fitted with 4 suspension rings. Microphone diameter 2 3/4". Shipping weight 1 lb.

**M13496—List \$10.00**  
**Your Cost**.....\$5.88

# Microphones and Microphone Accessories

## Trutest Shielded Microphone Cable



This rubber covered shielded microphone cable consists of three conductors color coded in a very closely woven tinned copper shielding with  $\frac{1}{8}$ " outer covering, 50 per cent pure para rubber. This cable is especially intended for outdoor use and is absolutely weather and abrasion proof. Shipping weight 10 lbs. per 100 ft.

**Q16098—**  
**Your Cost, per Foot..... 6¢**  
 12 Ft. for... \$0.65      50 Ft. for... \$2.45  
 25 Ft. for... 1.25      100 Ft. for... 4.80

## Shielded Microphone Cable



First quality shielded three conductor Microphone Cable that will stand the hardest usage without becoming torn or cracked. Ends provided with suitable lugs for easy connection. Very popular for indoor installations.

**Q16132—** Shipping weight for 50 ft., 2  $\frac{1}{2}$  lbs.  
 6 Ft. for... \$0.35      25 Ft. for... \$1.15  
 12 Ft. for... .59      50 Ft. for... 2.15

## 5 Wire Rubber Covered Shielded "Mike" Cable

Re-enforced with eord, rubber covered, stranded color coded microphone cable. Heavy cotton braid outer layer, ribbon sleeve shield,  $\frac{1}{8}$ " live rubber. Excellent for Condenser Mikes. Outside diameter  $\frac{3}{16}$ ". For all outdoor temporary or permanent jobs. Shipping weight 2 lbs.

**Q16100—** Your Cost, Per Foot..... **10¢**  
 Per 100 Feet, \$9.00

## Super Service Shielded Microphone Cable



$\frac{7}{8}$  ins. outside diameter

7 conductors of No. 14 stranded copper wire for 3 and 4 microphones on a mixing panel. This wire is identical with that used by large broadcasting stations and especially recommended for the better type of large P. A. systems. Each conductor is color coded. The unusually heavy and close shielding is well protected by a tough live rubber jacket. It is impossible to damage this wire no matter how rough the job. Shipping weight 12 lbs, 100 ft.

**Q16099—** Your Cost per Ft..... **20¢**  
 50 Ft. for... \$9.75      100 Ft. for... \$17.50

## Trutest Shielded Microphone Cable Armored Connectors



Same specifications as above but complete with best grade armored male and female connectors.

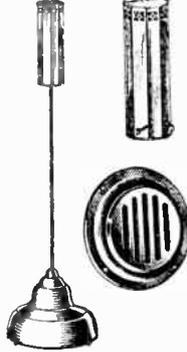
Stock No.	Size	Shipping Weight	Your Cost
Q16080	6 ft.	1 lb.	\$1.50
Q16081	12 ft.	2 lbs.	1.95
Q16082	25 ft.	3 lbs.	3.20
Q16083	50 ft.	5 lbs.	5.50
Q16084	100 ft.	11 lbs.	9.95



## Microphone Springs

These microphone springs are made of the finest grade tempered steel, with formed loop ends.  
**M13402—** Set of 8 for..... **25¢**

## Bruno Condenser Microphone



A truly professional instrument. Made with micrometer accuracy and tested thoroughly over the entire audible range. Has a flat response curve from 50 to 8000 cycles.

Can be used for broadcasting, public address, or wherever perfect reproduction is required. There is no hiss or other extraneous noises. Overtones and coloring are reproduced perfectly. The spoken voice is life-like.

The construction of the Bruno Microphone is such as to

make it operate equally well at high or low altitudes. It is not affected by climatic conditions—such as moisture or temperature. A 2 tube resistance coupled amplifier using two 864 tubes supplies the necessary amplification. Output transformer with an impedance of 200 ohms is supplied. Transformers with other output impedances can be supplied. Specify impedance desired when ordering. Shipping weight 14 lbs.

**M13474—** Microphone Head. Shipping weight 5 lbs. List Price \$40.00 **\$19.50**

**Your Cost**.....  
 Microphone and amplifier complete—table model. Less tubes. Shipping weight 30 lbs.

**M13494—** List Price \$88.00 **\$41.50**

**Your Cost**.....  
**M13493—** Floor Stand. Shipping weight 15 lbs. **\$8.00**

**Your Cost**.....

## Professional Broadcaster



Is simply connected to any Radio set, and affords a high class Public Address System, without disturbing the use of the radio set. Sufficient volume to entertain a large audience. Used in home, hall, club, lobby, auditorium, etc. As much volume as the maximum volume of your radio set. Designed for voice, music pickup, amateurs, public announcers, broadcast artists, etc. Switch provides for interrupting radio reception at distance and interjecting remarks. Volume control regulated to control side tones and room echoes even when rooms are not acoustically

perfect. Complete apparatus includes High Grade Microphone, Batteries, Battery Compartment, Stand, Switch control for Radio Set, Volume Control, and Microphone Input stage. High grade statuary bronze finish. Shipping weight 7 lbs.

**M13498—** Model "C". List \$7.50 **\$4.40**

**Your Cost**.....  
**M13499—** Model D. S. List \$10.00 **\$5.88**

**Your Cost**.....

## 3 Wire 10 Foot Microphone Cable



This Microphone Cable combines the finest grade or rubber insulation and cotton covered fabric for each of the individual 3 conductors. The wire used is of the highest quality copper and all the individual copper

strands are of continuous lengths. The entire assembly of 3 conductors are woven into a cotton braid, together with a heavy rubber jacket. The rubber covering is of extremely live rubber, and is especially adaptable for Microphone and public address installations due to its extreme flexibility and ability to withstand the hardest wear and tear. It is guaranteed to be oil and water proof. **Furnished only in 10-foot lengths.** Shipping weight 5 lbs.

**Q16131—** **Your Cost per Length..... 23¢**

## Connecticut Floor Stand Mike

Surprisingly good performance, heavy metal base finished in nickel and light green. Adjustable 48 to 64". On and off switch and 50 ft. cord. Can be attached to any radio for home broadcasting. Also ideal for amateur use. Complete with stand and microphone. Shipping weight 11 lbs. **\$5.50**

**M13433—** Your Cost..... **\$5.50**

## Table Mike



14" high, finished in Nickel and Light Green. Steel Case contains Input Transformer and On and Off Switch. Has 50 ft. cord. Requires two dry cells. Suitable for amateur use. Shipping weight 2 lbs.

**M13486—** List \$5.00 **Your Cost \$3.50**  
 Less Cells.....

## Trutest Carbon Granules

Contains sufficient granules to refill one 2-button microphone. Greatest care must be taken to accurately measure quantity to be used for refill. Under no circumstances should fingers be used to handle granules. Keep vial tightly closed. Shipping weight 1 lb.

**M13481—** **Your Cost..... 45¢**

## Portable

### Microphone Plugs

Equal to Bakelite in dielectric properties. Has three plugs with banana spring expansion that make positive connection with standard jacks. Size  $1\frac{1}{2} \times 1\frac{1}{4} \times \frac{3}{8}$ ".

**M13004—** Your Cost Each..... **40¢**  
**M13005—** Female Plug for above **40¢**  
**Your Cost**.....

## Armored Bakelite Microphone Connectors

No better Connectors made for use with Carbon Microphones. Bakelite throughout providing perfect insulation; spring contacts insuring positive connections. Heavily armored Plug and Socket to prevent damage, and to lock cable, preventing individual connections from being pulled out. Prong settings permit only one correct coupling. Diameter  $1\frac{1}{2}$ ". Shipping weight 1 lb.

**M13401—** Plug..... **25¢**  
**Your Cost Each**.....  
**M13400—** Socket..... **45¢**  
**Your Cost Each**.....

**M13415—** 3 Wire Flush Receptacle, of a hard Composition. Will fit above Plug. **Your Cost Each..... 60¢**

## 50 Foot 7 Wire Shielded Microphone Cable with Heavy Cast Aluminum Locking Connectors



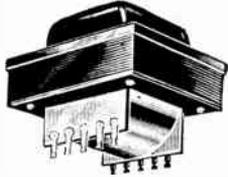
$1\frac{1}{2}$ " diameter. This shielded cable of finest grade materials, encloses 7 conductors of No. 18 Stranded Copper wire, each insulated with rubber jacket, covered with waxed cotton. Each covering colored for easy tracing. Woven shielding of tinned fine copper wire encloses the 7 conductors and the entire assembly covered with a heavy black vulcanized gum rubber Compound; oil water and acid proof. Shielding makes a perfect electro-static shield; can be used for additional conductor. Cable very flexible; will stand severe service. Fitted with 7 wire coupling plugs. Used for all public address work, both in and outdoor. Shipping weight 18 lbs.

**Q16130—** Your Cost per Cable with Plugs..... **\$6.50**

# POWER TRANSFORMERS

# THORDARSON

# REPLACEMENT POWER TRANSFORMERS



T ans.	T-5002	T-4900	T-5003
Height	3"	3 $\frac{3}{8}$ "	3 $\frac{3}{8}$ "
Width	3 $\frac{7}{16}$ "	3 $\frac{7}{8}$ "	3 $\frac{7}{8}$ "
Depth	2 $\frac{3}{16}$ "	3 $\frac{1}{4}$ "	3 $\frac{1}{4}$ "
Size of Hole	1 $\frac{15}{32}$ " x 2 $\frac{1}{8}$ "	1 $\frac{7}{8}$ " x 2 $\frac{1}{8}$ "	1 $\frac{7}{8}$ " x 2 $\frac{1}{8}$ "

electrical requirements of the receiver. These transformers are conservatively rated, there is no skimping, no order line ratings. High operating temperature, which means ruin to the average transformer, has been carefully avoided.

For many years Thordarson has supplied the leading receiver manufacturers with their transformers. The design of the Thordarson Replacement Transformers has been predicated upon the experience and knowledge gained in this field. Thordarson manufacturing skill and facilities contribute to give a dependable line of transformers that can well be considered the standard of the industry. The liberal use of the basic materials in the makeup of the transformer—iron, copper and insulating materials—insures a dependable product.

Thordarson Replacement Transformers are guaranteed to be as good or better than the original transformer installed in the receiver. In order to furnish a guaranteed product no effort has been made to copy the original power transformer. Too often many of these originals fall far short of good engineering practice and to duplicate would only mean further trouble. Thordarson Replacement Transformers are designed to fit the

The new Universal Mounting consists of an enclosing shield frame arranged for convenient mounting. Each shield is provided with a knockout which can be easily removed with a screw driver to permit any or all leads to be brought out for above chassis wiring. Normally, the connecting leads are brought out through the base for sub-panel wiring and it is but a few minutes work for the service man to make whatever lead position changes he finds necessary. The job, when installed, presents a finished appearance.

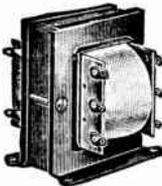
These replacement power transformers are designed with high and low voltage windings which most nearly meet the requirements of the receivers to be serviced. Each is designed to operate on 115 volts 50 to 60 cycles. The secondary windings are carefully insulated from each other and individually terminate in coded leads, each 8" long. In some cases two or more low voltage windings are provided. These windings may optionally be used either singly or in parallel to supply filament and heater voltage. Great care has been exercised in coding the leads to permit easy identification. A complete circuit diagram is enclosed with each transformer, for the added convenience of the service man.



Trans.	Height	Width	Depth
T-5601	4 $\frac{5}{8}$ "	3 $\frac{11}{32}$ "	3 $\frac{3}{4}$ "
T-5602	4 $\frac{5}{8}$ "	3 $\frac{11}{32}$ "	3 $\frac{3}{4}$ "
T-5603	4 $\frac{15}{16}$ "	3 $\frac{3}{4}$ "	3 $\frac{11}{16}$ "
T-5604	4 $\frac{15}{16}$ "	3 $\frac{3}{4}$ "	3 $\frac{11}{16}$ "
T-5605	4 $\frac{15}{16}$ "	3 $\frac{3}{4}$ "	3 $\frac{11}{16}$ "

## T-3381

FOR: 5-'26s 1-'27  
1-'71, AND 1-'80.



1.5 volts at 2 amps.; 1.5 volts at 3 amps.; 2.5 volts at 2 amps. 5 volts C. T. at 2 amps. 5 volts at  $\frac{1}{2}$  amp. 600 volt C. T. high voltage at 60 M. A. Primary 115 volt, 50-60 6 lbs. Size 3 $\frac{3}{4}$ "x4"x4". Shipping weight, 6 lbs. **A247—Your Cost.....\$2.94**

## T-2971-E

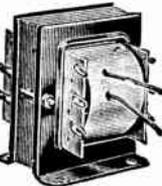
FOR: 5-'26s 1-'27  
2-'71s AND 1-'80.



1.5 volts at 2 amps.; 1.5 volts at 3 amps.; 2.5 volts at 2 amps.; 5 volts C. T. at 2 amps.; 5 volts at  $\frac{1}{2}$  amp. 650-volt C. T. high voltage at 70 M. A. Primary 115 volt, 50-60 cycle. Size, 3 $\frac{3}{4}$ "x4"x4" high. Shipping weight 6 lbs. **A—249—Your Cost.....\$2.94**

## T-3624-E

For 5-'27s or '24s 2-'45s or '47s and 1-'80



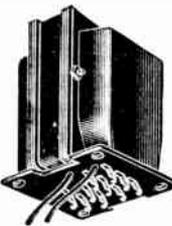
A power transformer of the upright mounting type, equipped with solder lugs and for use with heater type tubes and pushpull 245s or 247s. It has secondaries as follows: 730 volts with C. T. at 100 milliamperes (high voltage); 5 volts at 2 amperes with C. T. (280 fil); 2.5 volts at 3 amperes with C. T. (245s or 247s) and 2.5 volts at 9 amperes (5 heater type tubes). Primary 110-120 volts, 50-60 cycles. Size 3 $\frac{3}{4}$ "x4 $\frac{1}{2}$ "x4 $\frac{1}{2}$ " high. Mounting holes 2 $\frac{3}{8}$ "x2 $\frac{3}{8}$ ". Shipping weight 9 lbs. **A248—Your Cost.....4.12**

## Transformer Characteristics

All Transformers are designed for 115 volts 50-60 cycles

Thordarson Number		T-5601	T-5602	T-5603	T-5604	T-5605	T-5002	T-4900	T-5003
Secondary No. 1 High Voltage	Plate + Bias Volts D. C.	225	300	300	300	300	275	300	300
	Current M. A.-D. C.	70	70	105	105	100	40	70	80
Secondary No. 2 Rectifier Filament	Volts	5	5	5	5	5	5	5	5
	Amperes	2	2	2	2	2	2	2	2
Secondary No. 3 Filament or Heater	Volts	1 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$				
	Type of Tubes	4	9	5	12	9	5	8 $\frac{1}{2}$	12
Secondary No. 4 Filament or Heater	Volts	1 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$				
	Type of Tubes	'26	'45	'26	'27	'27	Htrs. & Pwrs. 3	Htrs. & Pwrs. 5	Htrs. & Pwrs. 7
Secondary No. 5 Filament or Heater	Volts	2 $\frac{1}{2}$	3	2 $\frac{1}{2}$	3	2 $\frac{1}{2}$			
	Type of Tubes	'27	'27	'27	'45	'45			
Secondary No. 6 Filament or Heater	Volts	5	5	2 $\frac{1}{2}$	3	3			
	Type of Tubes	'71-A	45	45	2	2			
Stock Number		A260	A261	A262	A263	A264	A270	A224	A277
List Price		\$5.00	\$5.00	\$6.00	\$6.00	\$6.50	\$3.50	\$4.00	\$4.50
Your Cost Each		<b>\$2.94</b>	<b>\$2.94</b>	<b>\$3.53</b>	<b>\$3.53</b>	<b>\$3.82</b>	<b>\$2.06</b>	<b>\$2.35</b>	<b>\$2.64</b>

## Thordarson T-3740



C. T. (2-245s); No. 3—750 volts with C. T. at 110 milliamperes (high voltage); No. 4—5 volts at 2 amperes (280 fil.). Overall dimensions, 3 $\frac{3}{4}$ "x3 $\frac{3}{8}$ "x5 $\frac{1}{16}$ " high.

Shipping weight 10 lbs. **A223—List \$6.00—Your Cost.....\$3.53**

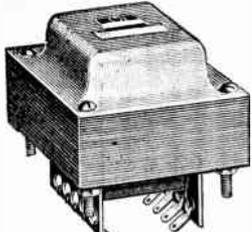
## Thordarson High Power Transformer

For Two '50s, or '10s and Two '81s  
2 $\frac{1}{2}$  Volts at 7 Amperes



Thordarson High Power Transformer is cased and fully shielded and furnishes "A," "B" and "C" current to 2-'50s or '10s and filament and plate voltages to a receiver. Delivers 1100 volts A. C. at 150 mils., 7 $\frac{1}{2}$  v. at 3 amps., 2 $\frac{1}{2}$  v. at 7 amps. All connections brought out to a bakelite terminal strip at bottom. All windings are center-tapped. Operates on 100-130 volts, 50-60 cycle A. C. current, tested at 2500 volts. Size, 5"x4"x4 $\frac{1}{2}$ ". Mounting centers, 3"x3 $\frac{3}{8}$ ". Shipping weight 12 lbs. **A226—Your Cost Each.....\$3.80**

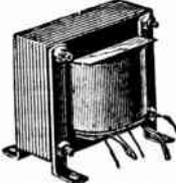
# Trutest Power Transformers



FLUSH

Trutest Power Transformers truly deserve the popularity accorded them by the radio service field. As a power transformer is often both the most important and costly part of a receiver, we have seen to it that Trutest Power Transformers possess a higher rating than any transformers of their kind. You have the protection of a higher safety factor when using Trutest Power Transformers. In order for a service organization to be profitable it must strive to satisfy its customers. With Trutest Power Transformers as replacements, your customers will be assured of long and satisfactory operation. Furnished in both flush and horizontal mountings in the large variety of sizes given below, these transformers should prove applicable to most any receiver on the market. Even power transformers of

current model receivers using the '82 rectifier can be replaced with Trutest Power Transformers of the flush mounting type. Experimenters and set builders will find in Trutest Power Transformers a solution to their long-felt wants. Compactness, ease of wiring and general appearance will go far to eliminate that "home made" look. On Flush Mounting Types, soldering lugs terminate on an insulated strip and protrude through the sub-panel. The Upright Horizontal Types have Lug terminals on one side and feet are provided on bases; the slight elevation permitting air circulation under cores. The Flush Mounting Types designed for use with the new '82 rectifier should prove of special interest to those Experimenters and Set Builders wishing to make use of this latest type tube.



HORIZONTAL

## For Short-Wave Converters

MOUNTING AREA:  $3 \times 2 \frac{1}{2}$ "  
MOUNTING DIMENSIONS:  $2 \frac{1}{2} \times 2$ "  
PRIMARY: 110 volts, 50-60 cycle.  
SECONDARIES: (1) 400 volts C. T.—25 M. A.  
(2) 5 volts, 2 amps. (280 Filament).  
(3) 2.5 volts C. T., 3.5 amps.  
Shipping weight 3 lbs.

### Flush Mounting Type

**4C1500—Your Cost Each.....\$1.15**

### Horizontal Mounting Type

Same tube characteristics as above. Size  $2 \frac{1}{8} \times 4 \frac{1}{16} \times 2 \frac{3}{16}$ ". Mounting centers  $3 \frac{3}{16}$ ".  
**4C1501—Your Cost Each.....\$1.25**

## 4 Tube Midget Receivers

For Two  $2 \frac{1}{2}$  Volt Heater Tubes, One  $2 \frac{1}{2}$  Volt Power Tube and One 280 or 282 Rectifier

MOUNTING AREA:  $3 \times 2 \frac{1}{2}$ "  
MOUNTING DIMENSIONS:  $2 \frac{1}{2} \times 2$ "  
PRIMARY: 110 volts 50-60 cycles.  
SECONDARIES: (1) 600 volts C. T. 40 M. A. (plate).  
(2)  $2 \frac{1}{2}$  volts 5 amps. C. T. (2 heater and 1 power tube).  
(3) 5 volts 2 amps. (one 280 filament) or  $2 \frac{1}{2}$  volts 3 amps. (one 282 filament).  
Shipping weight 3 lbs.

### Flush Mounting Type

**4C1490—Using 280 Rectifier.**  
**4C1497—Using 82 Rectifier.**  
**Your Cost Each.....95¢**

### Horizontal Mounting Type

Same tube characteristics as above. Size  $3 \times 3 \frac{3}{8} \times 3$ ". Mounting centers  $1 \frac{3}{4} \times 2 \frac{1}{8}$ ".  
**4C1502—Using 280 Rectifier.**  
**Your Cost Each.....\$1.05**

## 4 Tube Midget Receivers

For Two  $2 \frac{1}{2}$  Volt Heater Tubes, One  $2 \frac{1}{2}$  Volt Power Tube and One 280 or 82 Rectifier  
MOUNTING AREA:  $2 \frac{1}{8} \times 3 \frac{3}{8}$ "  
MOUNTING DIMENSIONS:  $2 \frac{1}{4} \times 2 \frac{1}{8}$ "  
PRIMARY: 110 volts, 50-60 cycles.  
SECONDARIES: (1) 700 volts C. T.—50 M. A. (plate).  
(2) 5 volts, 2 amps. (one 280 filament), or  $2 \frac{1}{2}$  volts, 3 amps. (one 282 filament).  
(3) 2.5 volt C. T., 5 amps. (2 heaters and 1 power tube).  
Shipping weight 3 lbs.

### Flush Mounting Type

**4C1494—Using 280 Rectifier.**  
**4C1496—Using 82 Rectifier.**  
**Your Cost Each.....\$1.25**

### Horizontal Mounting Type

Size  $3 \times 3 \frac{3}{8}$ ". Mounting centers  $1 \frac{3}{4} \times 2 \frac{1}{8}$ ".  
**4C1495—Using 280 Rectifier.**  
**Your Cost Each.....\$1.35**

## 5 and 6 Tube Receivers

For Three or Four  $2 \frac{1}{2}$  Volt Heater Tubes, One  $2 \frac{1}{2}$  Volt Power Tube and One 280 or 282 Rectifier

MOUNTING AREA:  $3 \frac{1}{4} \times 3 \frac{3}{4}$ "  
MOUNTING DIMENSIONS:  $3 \frac{1}{8} \times 2 \frac{1}{2}$ "  
PRIMARY: 110 volts, 50-10 cycles.  
SECONDARIES: (1) 700 volts C. T.—70 M. A. (plate).  
(2) 5 volts, 2 amps. (one 280 filament), or 2.5 volts, 3 amps. (one 282 filament).  
(3) 2.5 volts, 8.75 amps. (3 or 4 heaters and 1 power tube).  
Shipping weight 6 lbs.

### Flush Mounting Type

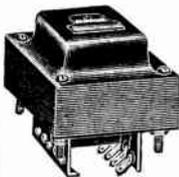
**4C1492—Using 280 Rectifier.**  
**4C1498—Using 82 Rectifier.**  
**Your Cost Each.....\$1.38**

### Horizontal Mounting Type

Size  $3 \times 3 \frac{3}{8} \times 3 \frac{1}{4}$ ". Mounting centers  $3 \frac{1}{2} \times 2$ ".  
**4C1504—Using 280 Rectifier.**  
**Your Cost Each.....\$1.50**

## Class B Power Transformer

For Public Address Systems - High Power - Low Cost for 7 Heater Tubes; 3-46s, and 1-83 Rectifier



The release of the Type 46 Double Grid Tube and the Type 83 Mercury Vapor Rectifier makes possible the construction of an amplifier that will deliver 20 watts or more of audio power at a very reasonable cost. In order that full power may be obtained with negligible

distortion, it is extremely important that the power supply is carefully designed and have sufficient capacity, since the plate current of the power tubes varies over a wide range with each signal impulse. This Transformer is of the same high quality material, as is all of the

Trutest Power Transformers, carefully selected silicon steel core, high grade copper, insulation of the finest quality. Can be operated at its rated output without heating or any drop in voltage.

MOUNTING AREA:  $4 \frac{1}{2} \times 3 \frac{1}{4}$ "  
MOUNTING DIMENSIONS:  $2 \frac{3}{4} \times 3 \frac{3}{8}$ "  
PRIMARY: 120 volt, 50-60 cycle.  
SECONDARIES: 580/580 volts at 175 M. A.  
5 volts C. T., 3 amps.  
 $2 \frac{1}{2}$  volts C. T., 3 amps.  
 $2 \frac{1}{2}$  volts C. T., 10 amps.

Shipping weight 10 lbs. Flush Mounting Type only.  
**C1516—Your Cost Each.....\$4.75**

# POWER TRANSFORMERS



## 6 Tube Receivers Push-Pull Power Tubes

For Three  $2 \frac{1}{2}$  Volt Heater Tubes, Two  $2 \frac{1}{2}$  Volt Power Tubes and One 280 Rectifier

MOUNTING AREA:  $3 \frac{1}{4} \times 4 \frac{1}{2}$ "  
MOUNTING DIMENSIONS:  $2 \frac{3}{4} \times 3 \frac{3}{8}$ "  
PRIMARY: 110 volts, 50-60 cycles.  
SECONDARIES: (1) 660 volts C. T.—80 M. A.  
(2) 5 volts, 2 amps. (280 filament).  
(3) 2.5 volts. C. T. (2 power tubes).  
(4) 2.5 volts. 5.25 amps. (3 heaters).  
Shipping weight 8 lbs.

### Flush Mounting Type

**4C1505—Your Cost Each.....\$1.75**

### Horizontal Mounting Type

Same tube characteristics as above. Mounting centers  $3 \frac{1}{2} \times 2$ ".  
**4C1506—Your Cost Each.....\$1.85**

## 7 and 8 Tube Receivers

For Four or Five  $2 \frac{1}{2}$  Volt Heater Tubes, Two  $2 \frac{1}{2}$  Volt Power Tubes and One 280 or 282 Rectifier

MOUNTING AREA:  $3 \frac{1}{4} \times 3 \frac{3}{4}$ "  
MOUNTING DIMENSIONS:  $3 \frac{1}{8} \times 2 \frac{1}{2}$ "  
PRIMARY: 110 volts, 50-60 cycles.  
SECONDARIES: (1) 700 volts C. T.—110 M. A. (plate).  
(2) 5 volts, 2 amps. (one 280 filament), or 2.5 volts, 3 amps. (one 282 filament).  
(3) 2.5 volts C. T., 3 amps. (2 power tubes).  
(4) 2.5 volts, 8.5 amps. (Four or five heater tubes).  
Shipping weight 8 lbs.

### Flush Mounting Type

**4C1507—Using 280 Rectifier.**  
**4C1499—Using 82 Rectifier.**  
**Your Cost Each.....\$1.95**

### Horizontal Mounting Type

Same tube characteristics as above. Mounting centers  $3 \frac{1}{2} \times 2$ ".  
**4C1508—Using 280 Rectifier.**  
**Your Cost Each.....\$2.10**

## 9 and 10 Tube Receivers

MOUNTING AREA:  $4 \frac{1}{2} \times 3 \frac{1}{4}$ "  
MOUNTING DIMENSIONS:  $3 \times 3 \frac{3}{8}$ "  
PRIMARY: 110 volts, 60 cycle.  
SECONDARIES: (1) 720 volts C. T.—110 M. A.

(2) 5 volts at 2 amps. (280).  
(3) 2.5 volts at 3 amps.  
(4) 2.5 volts at 12.25 amps.  
Shipping weight 9 lbs.

### Flush Mounting Type

**4C1509—Your Cost.....\$2.25**

### Horizontal Mounting Type

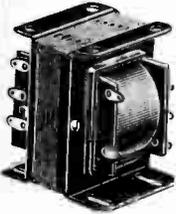
Same tube characteristics as above. Mounting centers  $2 \frac{3}{4} \times 3 \frac{1}{8}$ ".  
**4C1510—Your Cost Each.....\$2.40**

## Special Note

Refer to Page 11 For Complete Listing of Class "B" Audio Transformers and Special Chokes. It is Necessary to Use Special Audio Equipment When Constructing Class "B" Amplifiers

# POWER TRANSFORMERS

## Genuine Zenith Power Transformer



No. 95-38  
For Models 33, 33X, 34, 34X and 35-A ZE-10 Power Unit

Supplies filament and plate voltages for the following tubes: 5-27s, 24s, or 35s; 1-71A, and 1-80. Delivers 220 to 240 volts D. C. at 50 mls. using 2 and 4 mfd. condensers respectively in the filter circuit. If a 150 ohm choke is used ahead of the condenser, the D. C. voltage will be approximately 190. Size  $4\frac{1}{2} \times 4\frac{1}{4} \times 3\frac{1}{2}$ ".

Shipping weight 7 lbs.  
**A227—Your Cost Each.....\$2.25**

## ZENITH ZE-50, ZE-60 ZE-70

An exact duplicate of the original Zenith No. 95-67 Replacement Power Transformer used in the above model receivers. Furnishes filament and plate voltages for the following tubes: 3-24s; 3-27s; 2-45s; and 1-80. Shipping weight 9 lbs.

**C1980—Your Cost.....\$4.10**

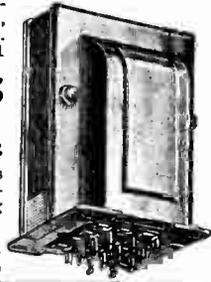


## ZENITH Models 10, 11, 12

For sets utilizing 4-24s; 1-27; 2-45s, and 1-80 tubes. Shipping weight 11 lbs. **C1981—Your Cost.....\$2.65**

## For Models 102, 112, 122

Same tubes as above, 25 cycle operation. Shipping weight 14 lbs. **C1982—Your Cost.....\$3.75**

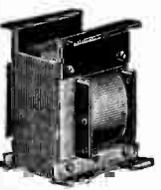


## Zenith Models 91 and 92

An exact duplicate power transformer of the original Zenith No. 95-100 replacement. Has three 2 $\frac{1}{2}$  volt windings; 1 for 6 heater tubes; 1 for 1 heater tube (AVC) 1 for 2 power tubes; one winding for 3-4 volt Mazda lamp. Shipping weight 9 lbs.

**A1984—Your Cost.....\$4.95**

## Zenith Plate Transformer ZE-18 Power Unit

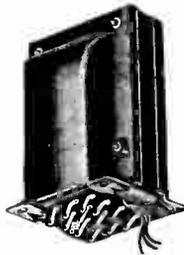


Models 35PX, 35APX, 37-A Part No. 95-61

High voltage winding and 7 $\frac{1}{2}$  volt winding for 2-81s. Has mounting bracket for choke like the original part. Shipping weight 8 lbs.

**C1983—Your Cost.....\$3.75**

# PHILCO Power Transformers



## Guaranteed Replacements

Designed for Philco Replacements, Guaranteed to be equal to the original. General purpose replacement. The usual method of installing these transformers makes possible a very neat arrangement with all wiring out of sight under the base panel. Black enameled steel case, with a flange for mounting. Average shipping weight 8 lbs. Hook-up furnished with each transformer. All have 110 volt 60 cycle primary. Average shipping weight 8 lbs. Refer to list below for our stock number.

Chassis	Tubes Used (1-80, and)	Philco Part	Stock No.
20-220	3-24s; 1-27; 2-71A	4234	<b>C1955</b>
65	2-24s; 1-27; 2-45s	3516	<b>C1956</b>
70	4-24s; 1-27; 2-45s	5117	<b>C1957</b>
76-77	3-24s; 1-27; 2-45s	3868	<b>C1958</b>
86	4-26s; 1-27; 2-71s	3271	<b>C1960</b>
87	4-26s; 1-27; 2-45s	3400	<b>C1959</b>
90	4-24s; 2-27; 2-45s	4938	<b>C1961</b>
95-96	3-24s; 3-27; 2-45s	3752	<b>C1962</b>
111-211	4-24s; 4-27; 2-45s	4446	<b>C1963</b>
111-211	4-24s; 4-27; 2-47s	5594	<b>C1954</b>

For additional Philco Power Transformers see page 84.

**Your Cost—any of the above models.....\$2.75**

## Bosch Power Transformers

### Model 28



This is the original Bosch power Transformer as used in the above model receivers. Also adaptable for sets using the following tubes: 4-26s; 1-27; 2-71As and 1-80. Shipping weight 10 lbs.

**C2254—Your Cost.....\$3.95**

### Model 29—825

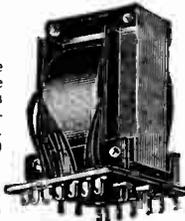
Similar in appearance to above, for sets using 4-26s; 1-27; 1-10, and 2-81s. Shipping weight 11 lbs.

**C2336—Your Cost.....\$4.20**

## Bosch Model 48

Built according to the specifications of the original. For sets using 3-24s; 1-27; 2-45s and 1-80 tubes. Shipping weight 10 lbs.

**C2260—Your Cost.....\$3.65**



### Model 58

Similar in appearance to above, for sets using 4-24s; 1-27; 2-45s and 1-80 tubes. Shipping weight 10 lbs.

**C2261—Your Cost.....\$3.65**

### Model 60

Similar in appearance to above, for sets using 5-24s; 1-27; 2-45s and 1-80. Shipping weight 13 lbs.

**C2262—Your Cost.....\$3.75**

### Model 49 25 cycle

An exact duplicate of the original replacement. Utilizes 4-26s, 1-27, 1-10 and 2-81 tubes. Shipping weight 12 lbs.

**C2248—Your Cost.....\$7.95**

# Sparton Power Transformers

These power transformers are made by Thor-darson, all new merchandise and fully guaranteed; designed according to specifications of the originals except to withstand more service abuses and over-loads. Fits the chassis exactly in all Sparton Receivers. These are not surplus and should not be confused with units selling at a lower price.

## Models AC-7, 62 and 63



### Sparton Nr. B-1454

Official replacement for the above Sparton models, using 5-C-401s; 2-71-As; and 1-Raytheon type tubes. Shipping weight 7 lbs.

**A229—Your Cost.....\$2.30**

## Models 69, 79, 79-A and 89 Sparton Nr. B-1938

Identical in appearance to above transformer. Utilizing 6-48s; 1-C585 or C586, and 1-C-280 tubes. Shipping weight 7 lbs.

**A230—Your Cost.....\$3.54**

### Model 930

### Sparton Nr. B-2249

Identical in appearance to above. Utilizing 6-C-184s; or 485s; 2-C-182s, 182-lbs or 183s, and 1-C-280 tubes. Shipping weight 7 lbs.

**A228—Your Cost.....\$1.95**

## Models 589, 591, 593, 931 Sparton Nr. B-2339



Replacement for the above models utilizing 7-C-184s, or 485s; 2-C-182s or C-183s, and 1-C-280 tubes. Shipping weight 10 lbs.

**A234—Your Cost.....\$4.05**

## Models 301, 564, 570, 750 Part B-2538

Similar in appearance to above transformer. Utilizing 7-C-484s or 485s; 2-C-585s or 586s, and 2-C-281s. Shipping weight 10 lbs.

**A235—Your Cost.....\$7.06**

## Models 600, 610, 620, 737 Sparton Nr. B-2794

Similar in appearance to above transformer. Utilizing the following tubes: 7-C-484s or 485s; 2-C-183, and 1-C-280. Shipping weight 10 lbs.

**A236—Your Cost.....\$3.95**

## Model 89-A Sparton Nr. C-292

Replacement power transformer for the above receiver. Utilizing 6-C-484s or 485s; 1-C-585 or C-586 and 2-C-281s. Shipping weight 8 lbs.

**A231—Your Cost.....\$6.50**



### Model 109

## SPARKS Ensemble and Deluxe Sparton Nr. C-257

Identical in appearance to above. Utilizing 6-C-484s; 2-C-585s, and 2-C-281s. Shipping weight 8 lbs.

**A232—Your Cost.....\$7.05**

## Models 101, 110, 111, 574 and 870

### Sparton Nr. C-374 C-398

Identical in appearance to above. Utilizing 6-C-484s; 2-26s; 2-C-585s, and 2-C-281s. Shipping weight 8 lbs.

**A233—Your Cost.....\$7.40**

# RCA RADIOLA VICTOR




## Brand New Victor Replacement Power Transformer

Models R-32, R-52, RE-45 and RE-75



To meet the ever increasing demand for a quality replacement power transformer for the above Victor Models, at a reasonable price, we have developed a replacement transformer that is guaranteed to be better than the original transformer in every respect. In order to furnish a guaranteed replacement we made no effort to copy the original power transformer. The original transformer, as did many so-called replacements, fell far short of good engineering practice and to duplicate would mean further trouble. This replacement transformer is conservatively rated, there is no skimping, no border line ratings. Through the liberal use of iron, copper and insulating materials, the basic materials in the makeup of this transformer, insures a dependable replacement unit. Utilizes the following tubes: 6-26s; 1-27; 2-45s and 1-80. Fully shielded in a heavy gauge case. In order to allow for the over-size transformer, the metal container is larger in height but will fit the chassis exactly. Terminal lug arrangement number as the original. NO CHANGES NECESSARY TO INSTALL THIS REPLACEMENT UNIT. Shipping weight 13 lbs.

**C2185—Your Cost.....\$2.70**

### Radiola Model 30-A A.C.

The Official RCA part No. 8274 power transformer used in the above receiver. This transformer has a 68 volt primary using the UV 876 Ballast tube in series to absorb fluctuations in the line voltage between 40 and 60 volts. Supplies filament and plate current to the following tubes: 7-UX 199s; 1-71A; and 2-81s, as rectifiers. For replacement use only the Genuine Part. Our quantity is limited. Shipping weight 8 lbs.



**C2175—List \$16.00—Your Cost...\$5.95**

### Radiola Model 41

These are the genuine RCA power transformers for use with this receiver. Supplies filament and plate voltages for 4-26s; 1-27; 1-10, and 1-80 tubes. There are two types of power packs used with this set.

For **STERLING PACK**, mounted in heavy cardboard container. RCA No. 8399. Shipping weight 9 lbs.

**C2159—Your Cost.....\$4.50**

For **RECEPTOR PACK**, mounting brackets. RCA No. 8405. Shipping weight 7 lbs.

**C2160—Your Cost, Either Type.....\$4.50**

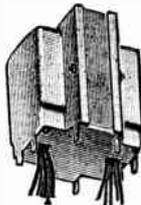
### Radiola Models 42 and 48 Victor Models 14, 15 and 17 Westinghouse Model WR-4 General Electric Model T-41 Graybar 678, RC-3

The genuine RCA power transformer for the above receivers, utilizing, 4-24s; 2-45s and 1-80 tubes. Brand new and guaranteed. RCA part No. 8609. Shipping weight 9 lbs. 110 volt, 60 cycle.

**C2155—Your Cost \$1.65**

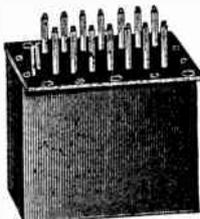
For 120 volt, 25 cycle operation. Shipping weight 11 lbs.

**C2143—Your Cost.....\$3.95**



We carry the most complete stock of Genuine RCA-Radiola and RCA-Victor Replacement Parts. These Replacement Parts cover from the early battery and electric receivers up to and including their current models. We will be pleased to quote on any item that you may require.

### Genuine Radiola Power Transformer for RCA Models 64, 67 Victor Models 9-18, 9-54



asking. For 8-27s, 1-50 and 2-81s, 110-120 volts, 50-60 cycle. Shipping weight 25 lbs.

**C2157—Your Cost.....\$9.40**

For 110-120 volt, 25 cycle. Shipping weight 29 lbs.

**C2198—Your Cost.....\$14.45**

### RCA Victor Models R-11, 18 and 18-A, RAE-26, R-21 General Electric K-62 Graybar Model GB-9 Westinghouse WR-15

Original replacement power transformer for the above receivers. Supplies plate and filament voltages for the following tubes: 6 heater tubes; 2-47s and 1-80. Shipping weight 9 lbs.

**C2189—Your Cost.....\$3.95**



### RCA Victor R-7 "Superette" General Electric S-22 Graybar 8 Midget

Similar in appearance to above. An exact duplicate of the original transformer. Supplies filament and plate voltages for the following tubes: 2-35s; 2-27s; 1-24; 2-45s and 1-80. This transformer is made from the finest quality merchandise. Shipping weight 7 lbs.

**C2187—Your Cost.....\$1.90**

### RCA Victor Models R-50, R-55, RE-20, RAE-59 and RAE-79 General Electric H-32, H-72 Graybar Model GB-100

Original replacement. Supplies voltages for 7 heater tubes; 2-47s and 1-80. Shipping weight 15 lbs.

**C2190—Your Cost.....\$3.95**



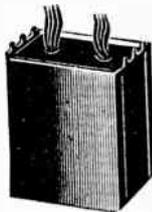
# POWER TRANSFORMERS

### Radiola Models 17, 18, 33, 50, 51; Brunswick 2KRO, 3KRO, 3KR6, 5KR, 5KRO, 5KR6; Victors 7-11, 7-25, 7-26, 17-8; Graybar 311

R.C.A. PART NO. 8335

This is the genuine power transformer for the above models, utilizing, 4-26s; 1-27; 1-71A and 1-80. For 50-60 cycle operation. Shipping weight 9 lbs.

**C2150—Your Cost.....\$1.65**



Same as above except for 25 cycle operation. RCA part No. 8340. Shipping weight 11 lbs.

**C2151—Your Cost.....\$3.25**

### Graybar 500-550

### Radiola Models 44, 46, 47

Identical to above in appearance. A Quality Transformer in every respect; built exactly like the original RCA part No. 8472, for 3-24s; 1-45 and 1-80. Brand new and guaranteed to equal the original in service. Shipping weight 11 lbs.

**C2152—Your Cost Each.....\$2.75**

Same as above, except for 25 cycle operation. Shipping weight 13 lbs.

**C2192—Your Cost.....\$4.45**

### For Radiola Models 60 and 62 Brunswick 3NC-8 and 5NC-8 Graybar Model 340

Identical to above in appearance. An exact duplicate of RCA part No. 8344, and the correct replacement for the above receivers. For use with 7-27s, 1-71A, and 1-80. Brand new and guaranteed. Shipping weight 10 lbs.

**C2153—Your Cost Each.....\$2.75**

Same as above, except for 25 cycle operation. Shipping weight 12 lbs.

**C2191—Your Cost.....\$4.45**

### Radiola Model 66 RCA Auditorium Phonograph Graybar Model 600

Identical to above in appearance. An exact duplicate of RCA part No. 8483 and the correct replacement for the above receivers. Utilizing 6-27s; 1-45 and 1-80 tubes. Shipping weight 13 lbs.

**C2154—Your Cost.....\$3.50**

Same as above, except for 25 cycle operation. Shipping weight 15 lbs.

**C2193—Your Cost.....\$4.95**

### Radiola Models 80-82-86 Graybar Models 700-770-900 General Electric 31-51-71

Westinghouse Models WR 5-6-7  
Genuine replacement power transformer. Identical to above in appearance. For the above receivers, utilizing 4-24s; 2-27s; 2-45s and 1-80 tubes. RCA part No. 8556. Shipping weight 15 lbs.

**C2156—Your Cost.....\$1.75**

### Victor Models 35-39-57, RE-73

Same tube combination as above. Shipping weight 15 lbs.

**C2195—Your Cost.....\$1.75**

**We Will Not Knowingly Be Undersold**



# Majestic

Original Replacement Transformers

**Exact Replacement Transformers**

# POWER TRANSFORMERS

### Plate Transformers 70 Series

7 BP 6 Power Pack

(1) Brand new, made by Majestic. Part No. 67. Shipping weight 6 lbs. **C2104—Your Cost..... 90¢**



### Filament Transformer for 70 Series

7 BP Power Packs

(1) Similar in appearance to above, Original Majestic part No. 61. Brand new. Shipping weight 6 lbs. **C2105—Your Cost..... 90¢**

1

### Filament & Plate Transformer 90 Series

90 Series 9 BP 6 Power Packs

(2) Original Majestic Part No. 436. Brand new and guaranteed. Shipping weight 15 lbs. **C2100—Your Cost..... \$2.90**



2

### Choke for 70 Series

7 BP 6 Power Pack

(3) Original Majestic Part No. 66. Brand new and guaranteed. Shipping weight 8 lbs. **C2101—Your Cost..... 95¢**

### Double Choke for 180 Series

8 P6 Power Pack

(3) Similar in appearance to above. Original Majestic Part No. 626. Shipping weight 8 lbs. **C2102—Your Cost..... 95¢**



3

### Double Choke for 90 Series

9 P6 Power Pack

(3) Similar in appearance to above. Original Majestic Part No. 281. Shipping weight 8 lbs. **C2103—Your Cost..... \$1.25**

### Push-pull Output Transformer Majestic 70 Series

(4) Original Majestic Part No. 64. Brand new and guaranteed. Shipping weight 3 lbs. **C2106—Your Cost..... 75¢**



4

### Push-pull Output Transformer Majestic 90 Series

Same appearance as above. Original Majestic Part No. 134. Shipping weight 3 lbs. **C2107—Your Cost..... 75¢**



5

### By-pass Condenser

Majestic 70, 90, 180 Series

(5) By-Pass condenser, .5 mfd. Original Majestic Part No. 717. Shipping weight 1 lb. **C2108—Your Cost..... 19¢**



6

### Plate Transformer for Majestic 8BP6 Pack Model 180

Designed according to the original Majestic Plate Transformer for use in the above models. Has a 15 volt filament winding for 2-81s; and high voltage secondary, 90 volt primary. Shipping weight 9 lbs. **C2169—Your Cost..... \$4.25**



7

### Majestic 90-B and 100-B

Made exactly like the original Majestic part. Both filament and plate transformer in one container. Set utilizes: 5-27s; 2-45s and 1-80 tubes. Shipping weight 15 lbs. **C2127—Your Cost..... \$4.50**



8

### Majestic 25 Series

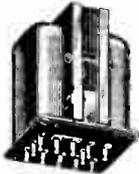
An exact duplicate power transformer; made for the above Majestic Series. Utilizes: 3-51s; 3-27s; 2-47s, and 1-80 tubes. Shipping weight 11 lbs. **C2128—Your Cost, Special..... \$4.45**



9

### Majestic 130-A Chassis Power Transformer Models 131, 132 and 133

The original Majestic replacement power transformer for above models. Part No. 891. Supplies filament and plate voltages for the following tubes: 4-24s; 2-45s and 1-80. Shipping weight 12 lbs. **C-2129—Your Cost Each..... \$3.75**



10

### Majestic 200 Chassis Power Transformer

An exact duplicate of the original replacement. Supplies filament and plate voltages for the following tubes: 4-G35s; 1-G27; 1-G2; 1-G47 and 1-G80. No changes necessary to install this unit. Shipping weight 7 lbs. **C2134—Your Cost..... \$4.45**

### Edison Plate Transformer Models R-1, R-2, C-2

For use with the above models. Tapped primary, 100, 110 and 120 volt, single high voltage winding. Guaranteed to be better than the original. Shipping weight 7 lbs. **C2350—Your Cost..... \$2.85**



### Edison Models R-6, R-7

Made for use in Edison Models R-6, and R-7. Has terminal arrangement like the original, also same in size and mounting. Utilizing: 3-24s; 3-27s; 2-45s, and 1-80 tubes. Shipping weight 10 lbs. **C2306—Your Cost..... \$3.95**



### Splitdorf-Edison Filament Transformers

Edison Models R-1, R-2 and C-2. The original filament transformer for use in the above model receivers. Supplies filament to 4-26s; 1-27; 1-250 and 1-81 tubes. Brand new and guaranteed. Shipping weight 5 lbs. **C2338—Your Cost Each..... \$3.45**



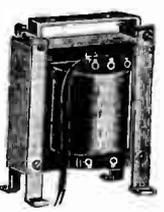
### Splitdorf Model M-5

The original filament transformer for Splitdorf Model M-5. Similar in appearance to above. Supplies filament to 4-26s; 1-27; 1-50 and 1-80 tubes. Brand new and guaranteed. Shipping weight 4 lbs. **C2339—Your Cost Each..... \$2.95**

### Stewart-Warner Power Transformer 950 Series

Models 951, 952, 953, 961, 962, 963

An exact duplicate of the original Stewart-Warner power transformer, both in size and electrical characteristics. Supplies filament and plate voltages for the following tubes: 3-24s; 2-27s; 2-45s, and 1-80. Shipping weight 8 lbs. **C2272—Your Cost..... \$5.95**



### Power Transformer for RCA 104 Power Speaker

Models 30 and 32 and Victor Panatropes



Designed for use with UV876 or UV886 ballast tube in the primary. Ideal for power amplifiers and transmitters. 7 1/2 volt at 3 amps. c. t., 7 1/2 volts at 1 1/2 amp., high voltage 1100 c. t. at 200 mils. Can be used with a 30 ohm, 100 watt resistor in place of ballast tube. Size 6x4x4 1/4" high. Shipping weight 15 lbs. **C2307—Your Cost..... \$1.85**



### Edison Models R-4, R-5, C-4

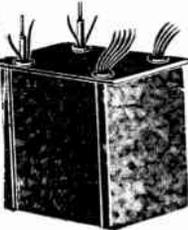
These power transformers are identical to the original Edison part, both in size and electrical characteristics. Fully shielded with connecting lugs on bottom. Holes for mounting are center to center, 4 1/8 x 4 3/4. Shipping weight 10 lbs. Supplies filament and plate voltages for the following tubes: 5-27s; 2-45s, and 1-80, for 50-60 cycle operation. Shipping weight 15 lbs. **C2251—Your Cost..... \$4.75**

**C2252—For 25 cycle operation. Shipping weight 17 lbs. Your Cost..... \$5.75**

size 5x5 1/2 x 5. Shipping weight 10 lbs. Supplies filament and plate voltages for the following tubes: 5-27s; 2-45s, and 1-80, for 50-60 cycle operation. Shipping weight 15 lbs. **C2251—Your Cost..... \$4.75**

## Stromberg-Carlson Models 635-636

The genuine Stromberg-Carlson power transformer. Utilizes 5-27s; 1-71A, and 1-80. When our limited supply is exhausted, replacements will be furnished identical to the original in every respect. Shipping weight 12 lbs.



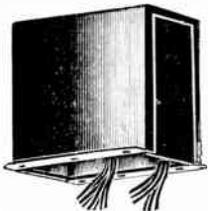
**C2256—  
Your Cost** ..... **\$3.95**

### For Model 638

Similar in appearance to above. For 25 to 60 cycle operation. The original Stromberg-Carlson replacement part No. 18446. Shipping weight 15 lbs.

**C2249—Your Cost** ..... **\$7.45**

## Models 641-642-652-654- 846-848



Designed according to specifications of the original part, both in electrical characteristics and size. For the models utilizing, 3-24s; 1-27; 1-45 and 1-80. Shipping weight 12 lbs.

### For Models

#### 641-642-652-654

**C2257—  
Your Cost** ..... **\$3.55**

### For Models 846-848

For models utilizing 3-24s; 3-27s; 2-45s, and 1-80. Shipping weight 14 lbs.

**C2258—Your Cost** ..... **\$4.50**

## Models 12 and 14

Designed according to the original specifications of Stromberg-Carlson. Utilizes the following tubes: 3-24s; 2-27s; 2-45s; and 2-80s; 110-120 volts A. C. 60 cycle. Has heavy duty secondary. Shipping weight 14 lbs.



**C2282—  
Your Cost** ..... **\$4.10**

## Kolster Models 6J and 6K



An exact duplicate power transformer of the original part. Supplies filament and plate voltages for 4-26s; 1-27, 2-71s and 1-80 tubes. Shipping weight 8 lbs.

**C2066—  
Your Cost** ..... **\$4.45**

## Kolster International K-60 and K-70



Replacement power transformer that will fit the chassis exactly. Supplies filament and plate voltages for the following tubes: 6 heater tubes; 1-47 and 1-80. Shipping weight 8 lbs.

**C2067—  
Your Cost** ..... **\$4.25**

## Kolster International K-80 and K-90

Similar in appearance to above. Supplies filament and plate voltages for the following tubes: 7 heater tubes; 2-47s and 1-80. Shipping weight 8 lbs.

**C2068—  
Your Cost** ..... **\$4.25**

## Freshman Replacement Power Transformers



The original replacement power transformers for Freshman Models "Q" and "Q-D" sets using 1-22; 1-26; 1-27; 1-71A and 1-80 tubes. Size, 6 1/4 x

3 1/4" deep. Shipping weight 9 lbs.

### For "Q" Receivers

**C2263—60 cycle  
Your Cost** ..... **\$1.95**

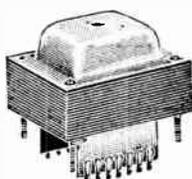
**C2273—25 cycle  
Your Cost** ..... **\$4.95**

### For "QD" Receivers

**C2264—60 cycle  
Your Cost** ..... **\$3.95**

**C2274—25 cycle  
Your Cost** ..... **\$5.45**

## "HFL" Power Transformer Universal Replacement For 7 Tube Receivers 100-130 V.: or 220-240 Volt 25 to 60 Cycle



Designed for use with "HFL" receivers, but due to the flexibility of the windings and voltage input, it can be used for most any type of circuit requiring a flush mounting type transformer. Supplies filament and plate voltages for 4 heater tubes, 2 power

tubes, and 1-80. 700 volt C. T. 100 MA. Size, 4x3 1/4 x 3 1/4" high. Mounting centers, 3 1/4 x 2 5/8". Shipping weight 10 lbs.

**C2429—Your Cost** ..... **\$2.75**

## Genuine Earl and Freed Power Transformers

These are the genuine Power Transformers used in the receivers below.



### Earl Models 21 and 22 Freed Models 55 and 56

Utilizing, 3-26s; 2-27s; 2-71As and 1-80 tubes. Shipping weight 6 lbs.

**C2286  
Your Cost** ..... **\$2.90**

**Earl 24, 31, 32, 33 and 41  
Freed 65, 78, 79, 90 and 95**

Utilizing, 6-27s; 2-45s, and 1-80 tubes. Shipping weight 8 lbs.

**C2287—Your Cost** ..... **\$3.95**

## Transformer Coil With Terminal Strip

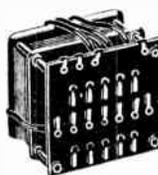


**Earl Models 24, 31,  
32, 33 and 41  
Freed Models 65, 78,  
79, 90 and 95**

The genuine Transformer Coil, to be assembled with laminations of old power transformer. Shipping weight 4 lbs.

**C2288  
Your Cost** ..... **\$1.95**

## Freed-Eisemann Models Nr.-57 and Nr.-60



Replacement for the above models. Power transformer supplies filament and plate voltages for the following tubes: 4-26s; 1-27; 1-71A, and 1-80 tubes. Shipping weight 6 lbs.

**C2285—  
Your Cost** ..... **\$3.95**

# POWER TRANSFORMERS

## Atwater-Kent Models 37-38

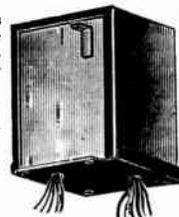
For replacement in the above receivers; this transformer is guaranteed to give satisfaction; built along the lines of the original, except with a larger safety factor. Utilizes: 4-26s; 1-27; 1-71A; 1-80; Size, 5x3 1/2 x 4 1/2" Shipping weight 9 lbs.



**C2255—  
Your Cost** ..... **\$1.50**

## Atwater-Kent Models 55-55C

This transformer is the identical to the original A. K. part. Utilizes the following tubes, 3-24s; 2-27s; 2-45s; and 1-80. Size 4x5x 4 1/2". Snipping weight 11 lbs.



**C2250—  
Your Cost** ..... **\$3.70**

## For Models 60 and 60C

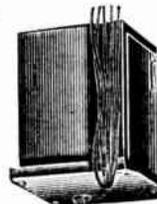
Similar in appearance to above transformer. Shipping weight 11 lbs.

**C2246—Your Cost** ..... **\$3.70**

## Plate Transformer Model 66

Consists of a high voltage winding to furnish plate voltage to 5 heater tubes, and 2-50s. Shipping weight 10 lbs.

**C2244—  
Your Cost** ..... **\$5.25**

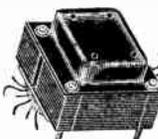


## Filament Transformer

Similar in appearance to above. Supplies filament to 5 heater tubes, 2-50s and 2-81s. Shipping weight 10 lbs.

**C2245—Your Cost** ..... **\$3.75**

## 8 Tube Power Transformer 115 Volt 60 Cycle



Will supply filament and plate voltages for 5 heater tubes, 2 power tubes (45's or 47's) and one 280 rectifier. Can be used as a general replacement or for the new set builder. Size, 2 3/4 x 4 x 3 1/4", mounting centers, 3 1/2 x 2 1/2"

Shipping weight 7 lbs.  
**C1701—Your Cost Each** ..... **\$1.75**

## 10 Tube Power Transformer 115 Volt 60 Cycle

Similar in appearance to above, except for 10 tube receivers. Will supply filament and plate voltages for the following: 7 heater tubes, separate winding for 2 power tubes (45's or 47's), and one 280 rectifier. Flush mounting type, size, 2 3/4 x 4 x 3 1/4", mounting centers, 3 1/2 x 2 1/2". Shipping weight 8 lbs.

**C1702—Your Cost Each** ..... **\$2.25**

# POWER TRANSFORMERS

## Jefferson Power Compact With Heavy Duty Choke

For 5 '27s; '24s; or '35s; 2-'45s, and 1-'80



Consists of a standard Jefferson power transformer and a heavy duty choke sealed in a compact metal container. 110-120 volts, 50-60 cycle. 700 volts, high voltage at 110 mils., C. T. Size 7"

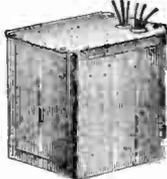
long, 3 1/2" wide, 5 1/2" deep. Bottom brackets for convenient mounting. Shipping weight 19 lbs.

**C1730—Your Cost Special. . . . \$2.45**

## General Motors

Models 120, 130, 140, 150, 160

An exact duplicate of the original General Motors power transformer. Self-contained in a curable metal case, fits the chassis exactly. For 3-'24s; 2-'27s; 2-'45s, and 1-'80. Shipping weight 10 lbs.

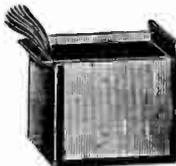


**C2278—Your Cost. . . \$3.75**

## Steinite Models

40, 40-A, 40S, 45-A

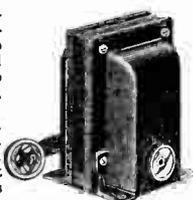
An exact duplicate of the original Steinite power transformer. Utilizing 5-'27s; 2-'45s and 1-'80 tubes. Shipping weight 10 lbs.



**C2276—Your Cost \$3.40**

## 220 Volt to 110 Volt Step-Down Transformer

A dependable transformer for use in stepping 220 volts down 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 1/4 x 3 1/4". Shipping weight 9 lbs. For Receivers and Appliances drawing up to 160 watts.



**C1968—Your Cost. . . . \$2.95**

For use with Midget Receivers, Dynamic Speakers, or any other 110-volt appliance that draws up to 80 watts. Shipping weight 6 lbs.

**C1969—Your Cost. . . . \$2.15**

## Radiart Variable Step-Down

200-250 Volts to 110-120 Volts

Variable primary. Size 3 3/4 x 3 1/2 x 4" high. Mounting centers 1 1/2 x 3 1/4". 16" lamp cord with female receptacle for 110-120 volt outlet, 5 ft. lamp cord with male plug for 200-250 Input. 160 watts. Shipping weight 9 lbs.



**C1970—List \$7.50. Your Cost. . . . \$4.40**

# Replacement Power Transformers

Name of Radio	Model	Stock No.	Your Cost	
<b>ATWATER-KENT</b>	37 and 38.	C2255	\$1.50	
	40, 56, 57 Complete Pack.	B1381	4.95	
	42, 44, 45, 52 Complete Pack.	B1376	4.95	
	43, 46, 47, 53 Complete Pack.	B1375	7.25	
	55 and 55-C.	C2250	3.70	
	60 and 60-C.	C2246	3.70	
	66 Filament Transformer.	C2245	3.75	
	66 Plate Transformer.	C2244	5.25	
	<b>ALL AMERICAN MOHAWK</b>	Lyric 90.	C2200	\$3.75
		D and H.	C2201	3.95
<b>APEX</b>	26 Gloritone.	C2205	\$2.35	
	36 and 37.	C2206	4.50	
	41.	C2207	4.95	
	28-A, 29 and 31.	C2212	4.25	
	46, 47 and 48.	C2208	3.95	
	99.	C2209	3.95	
	Case 80.	C2210	3.95	
	8-B.	C2211	4.50	
	<b>AMRAD</b>	81 Bel Canto Series.	C2281	\$3.10
		7191.	C2215	3.50
<b>ARGUS</b>	195-B.	C2213	\$6.95	
<b>BOSCH</b>	28.	C2254	\$3.95	
	29-A.	C2336	4.20	
	48.	C2260	3.65	
	49 (25 cycle).	C2248	7.95	
	58.	C2261	3.65	
	60.	C2262	3.75	
<b>BALKITE</b>	133.	C2202	3.50	
<b>BALKITE</b>	A-3, A-5, A-7.	C2203	\$4.50	
<b>BRANDES</b>	B-10 and B-11.	C2050	\$2.95	
	B-15 and B-16.	C2051	4.70	
<b>BREMER-TULLY</b>	6-40, 6-41.	C2220	\$3.50	
	S-14, S-21, S-81, S-82.	C2365	3.95	
	770, 771.	C2220	3.50	
<b>BRUNSWICK</b>	2-KRO, 3-KRO, 3-KR6, 5-KR, 5-KRO, 5-KR6.	C2150	\$1.65	
	2-KRO, 3-KRO, etc. 25 cycle.	C2151	3.25	
	3-NC8 and 5-NC8.	C2153	2.75	
	3-NC8 and 5-NC8, 25 cycle.	C2116	4.75	
	S-14, S-21, S-81, S-82.	C2365	3.95	
<b>CLARION</b>	51, 53 and 55.	C2233	\$4.45	
	60.	C2232	4.50	
	90.	C2234	4.50	
<b>COLONIAL</b>	31.	C2363	\$4.15	
	32.	C2279	3.50	
	33 and 35.	C2280	3.75	
	36-114, 38-117, 39-125.	C2225	3.45	
	44.	C2226	3.45	
	47.	C2227	3.45	
<b>COLUMBIA RADIO</b>	Screen Grid 8.	C2305	\$4.15	
<b>COLUMBIA-KOLSTER</b>	930-300.	C2057	\$6.75	
	931.	C2058	6.75	
	950.	C2059	4.65	
<b>CROSLEY</b>	Power Converters, 104-105-106 Bandbox.	C1882	\$1.45	
	602 Bandbox.	C1888	1.45	
	AC-7.	C1890	1.10	
	Power Converters 104-R and 105-R.	C1889	1.45	
	608.	C1884	.90	
	608, 25 cycle.	C1885	1.75	
	704.	C1887	1.95	
	704-A.	C1886	1.95	
	30-S, 31-S, 33-S and 34-S.	C1883	1.95	
	706 Showbox and 704-B.	C1850	3.25	
	40-S, 41-S, 42-S and 82-S.	C1851	4.95	
	32, 40 and 41.	C1852	3.95	
41-A and 42-A.	C1853	3.95		
<b>DAYFAN (General Motors)</b>	A-5003, A-5091.	C2230	\$4.45	
	A-5005 Series, 40-11.	C2231	5.25	
<b>EARL</b>	21 and 22.	C2286	\$2.90	
	24, 31, 32, 33 and 41.	C2287	3.95	
	24, 31, 32, 33 and 41, coil only.	C2288	1.95	
<b>EVEREADY</b>	1, 2 and 3.	C2254	\$3.85	
	30 series.	C2283	3.50	
	40 and 50 series.	C2284	2.80	
<b>EDISON</b>	R-1, R-5 and C-4.	C2251	\$4.75	
	R-4, R-5 and C-4, 25 cycle.	C2252	5.75	
	R-6 and R-7.	C2306	3.95	
	R-1, R-2 and C-2 (Plate trans.).	C2350	2.85	
R-1, R-2 and C-2 (Filament Transf.).	C2338	4.75		
<b>FADA</b>	10, 11, 16, 17, 20, 30, 31 and 32.	C2277	\$3.50	
	25.	C2351	3.95	
	35 and 35-B.	C2352	3.95	
	41, 42, 44, 46 and 47.	C2353	3.95	
	43.	C2354	3.95	
	50, 70, 71, 72 for E-120 Power Unit.	C2355	3.95	
	50, 70, 71, 72 for 180 Power Unit.	C2356	3.95	
	75 and 77.	C2357	3.95	
	45 (KU).	C2358	3.95	
	<b>FREED-EISEMANN</b>	NR-57 and NR-60.	C2285	\$3.95
NR-80.		C2323	4.25	
NR-85.		C2321	3.95	

## Replacement Power Transformers—Continued

Name of Radio	Model	Stock No.	Your Cost	
<b>FREED</b>	55 and 56	C2286	\$2.90	
	65, 78, 79, 90 and 95	C2287	3.95	
	65, 78, 79, 90 and 95, coil only	C2288	1.95	
<b>FRESHMAN</b>	"Q," 60 cycle	C2263	\$1.95	
	"Q," 25 cycle	C2273	4.95	
	"QD," 60 cycle	C2264	3.95	
	"QD," 25 cycle	C2274	5.45	
	"ERAC," 60 cycle	C2308	4.85	
	G-60-S Plate Transformer	C2311	2.25	
	Amplifier Transformer (1-281 & 1-210)	C2312	2.35	
	N-60-S Power Supply, 60 cycle	C2313	5.25	
	N-60-S Power Supply, 25 Cycle	C2314	5.50	
	"EAC"	C2349	4.95	
	<b>GENERAL ELECTRIC</b>	H-31, H-51 and H-71, 60 cycle	C2156	\$1.75
		H-31, H-51 and H-71, 25 cycle	C2141	2.95
H-31, H-51 and H-71, 220 volt		C2142	3.75	
T-11, 60 cycle		C2155	1.65	
T-11, 25 cycle		C2143	3.95	
T-11, 220 volt		C2144	4.75	
S-22, S-42, 60 cycle		C2187	1.90	
S-22, S-42, 25 cycle		C2145	3.95	
S-22, S-42, 220 volt		C2146	4.10	
T-12, 60 cycle		C2188	1.65	
T-12, 25 cycle		C2147	3.25	
T-12, 220 volt		C2148	3.70	
K-62, 60 cycle		C2189	3.95	
K-62, 25 cycle		C2149	5.25	
K-62, 220 volt		C2069	5.25	
H-32, H-72, 60 cycle		C2190	3.95	
<b>GRAYBAR</b>		311, 60 cycle	C2150	\$1.65
		311, 25 cycle	C2151	3.25
	500 and 550, 60 cycle	C2152	2.75	
	500 and 550, 25 cycle	C2192	4.45	
	340, 60 cycle	C2153	2.75	
	340, 25 cycle	C2191	4.45	
	678, RC-3, 60 cycle	C2155	1.65	
	678, RC-3, 25 cycle	C2143	3.95	
	678, RC-3, 220 volt	C2144	4.75	
	600, 60 cycle	C2154	3.50	
	600, 25 cycle	C2193	4.95	
	700, 770, 900, 60 cycle	C2156	1.75	
	700, 770, 900, 25 cycle	C2141	2.95	
	700, 770, 900, 220 volt	C2142	3.75	
	Midget 8, 60 cycle	C2187	1.90	
	Midget 8, 25 cycle	C2145	3.95	
	Midget 8, 220 volt	C2146	4.10	
	Graybarrette No. 4, 60 cycle	C2188	1.65	
Graybarrette No. 4, 25 cycle	C2147	3.25		
Graybarrette No. 4, 220 volt	C2148	3.70		
GB-9, 60 cycle	C2189	3.95		
GB-9, 25 cycle	C2149	5.25		
GB-9, 220 volt	C2069	5.25		
GB-100, 60 cycle	C2190	3.95		
<b>GENERAL MOTORS</b>	"A" Chassis, 120, 130, 140, 150, 160	C2278	\$3.75	
	MA and MB Chassis for 110, 180, 190	C2221	3.50	
	253, 254, 255, 256, 257, 258	C2222	4.50	
<b>GREBE</b>	SK-4	C2235	\$3.95	
	HS-4	C2223	2.90	
	AC-6	C2234	3.45	
<b>GULBRANSEN</b>	Series 63, AC-6	C2238	\$7.20	
	AC-8	C2315	6.40	
	"C," 9 in Line	C2316	7.06	
	Champion Jr., 7 tube	C2317	6.33	
	Series 13, 7 tube	C2239	3.38	
Series 20, 10 tube	C2240	3.97		
<b>KENNEDY</b>	10 and 20	C2359	\$3.95	
	26 and 31	C2390	3.95	
<b>KELLOGG</b>	K-50, 524, 525, 527 and 528	C2360	\$6.50	
	K-45, 523, 526, 533, 535, 536	C2395	4.50	
<b>KNIGHT</b>	8-9 (Transformer and Choke)	C2361	\$4.25	
<b>KOLSTER</b>	K-20, K-21, K-22, K-23, K-25, 60 cycle	C2052	\$4.25	
	K-20, K-21, K-22, K-23, K-25, 25 cycle	C2053	5.95	
	K-24	C2054	5.30	
	K-43 and K-48	C2051	4.70	
	K-44	C2055	6.75	
	6-J and 6-K	C2066	4.45	
	6-L	C2080	3.50	
	International K-60 and K-70	C2067	4.25	
International K-80 and K-90	C2068	4.25		
<b>LOFTIN-WHITE</b>	245-247 Amplifier	C2295	\$2.50	
	250 p.p. Amplifier	C2294	7.75	
<b>MAJESTIC</b>	70, 71, 72, 7-BP6, Plate-Filament	C2125	\$3.95	
	90, 91, 92, 9-BP6, Plate-Filament	C2126	2.90	
	180, 8-BP6, Plate Transformer	C2169	4.25	
	180, 8-BP6, Plate-Filament	C2135	7.00	
	70 Series, Plate Transformer 7-BP6	C2104	.90	
	70 Series, Filament Transformer 7-BP6	C2105	.90	
	90-B and 100-B	C2127	4.50	
	Chassis 15: 151, 153, 154	C1491	2.30	
	Chassis 20: 21, 22, 23	C2129	3.95	
	Chassis 60, 160: 61, 62, 163	C2131	3.95	
	Chassis 50: 52	C2132	3.95	
	Chassis 130: 130, 131, 132	C2130	3.75	
200 Series	C2136	3.95		
<b>"A" AND "B" ELIMINATORS</b>				
Master "B" and Super "B"		C2367	\$2.25	
Special Master "B"		C2368	2.50	
"A" Eliminator		C2133	3.75	

# POWER TRANSFORMERS

### Power Transformer for 8 Tube Receivers

Here is a universal flush mounting type transformer, for replacement in receivers using up to 9 tubes. Equipped with leads and soldering lugs. Extra heavy windings: 2.5 V. at 8.5 amps. 2.5 V. at 3 amps. 5 V. at 2 amp. 340/340 high voltage at 90 M. A. 115 V. 50-60 cycle primary. Size,  $3\frac{3}{4} \times 3\frac{1}{2} \times 2\frac{1}{2}$ " mounting centers,  $2\frac{1}{2} \times 3\frac{1}{8}$ "

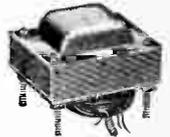
**C2430—Your Cost** ..... **\$1.85**



### Power Transformer for 4 and 5 Tube Receivers

Here is a midget power transformer that can be used for replacement in many of the 4 and 5 tube midget receivers. Flush mounting type. Has the following windings:  $2\frac{1}{2}$  volts at 7 amps.; C. T. 5 V. at 2 amp. 340 340 volts at 50 M. A. 115 V. 50-60 cycle primary. Size,  $3 \times 2\frac{1}{2} \times 1\frac{3}{4}$ ". Mounting centers,  $2\frac{1}{2} \times 2$ ". Shipping weight 4 lbs.

**C2431—Your Cost** ..... **90¢**

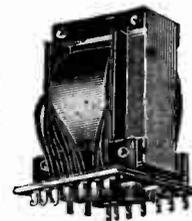


### Ozarka Radio 220 Volt Power Transformer

5-'27s, '24s, or '35s; 2-'45s, or '47s; and 1-'80.

This husky built power transformer, for 220 volt operation, made for use in Ozarka Radio receivers. Ideal for replacement in other sets using the above tubes where 220 volt is available. Size  $2\frac{3}{4} \times 3\frac{7}{8} \times 4\frac{3}{4}$ " high. Can be mounted upright or inverted. Shipping weight 8 lbs.

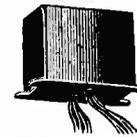
**C2293—Your Cost** ..... **\$1.95**



### Loftin White Power Transformer FOR SINGLE '45 OR '47 AMPLIFIER

Used in our Lafayette Loftin-White Amplifiers. High voltage 900 v. at 40 M. A. C. T. 5 volts at 2 amps.,  $2\frac{1}{2}$  volts at 1.5 amps.,  $2\frac{1}{2}$  volts at 5.5 amps. Size  $4 \times 2\frac{3}{4} \times 3\frac{1}{4}$ " high. Mounting Centers,  $4\frac{1}{2} \times 2$ ". Shipping weight 7 lbs.

**C2295—Your Cost** ..... **\$2.50**



### Stromberg-Carlson Speaker Field Power Supply Transformer

Combines a primary winding tapped at 110 and 120 volt, 50-60 cycle; secondaries, 5 volt 2 amp. for 280 tube, High voltage winding C. T. This is an exact duplicate of the original, both electrical and physical characteristics. Shipping weight 11 lbs.

**C2346—Your Cost** ..... **\$3.50**



# POWER TRANSFORMERS

## Power Transformer Columbia Model S. G. 8

An exact duplicate of the original power transformer for the Screen Grid 8 Model of Columbia Radio Corp. Utilizing 3-24s; 2-27s; 2-45s, and 1-80 tubes. Shipping weight 15 lbs. **C2303**  
Your Cost.....



**\$4.15**

## Fada Models

10, 11, 30, 31

An exact duplicate of the original Fada Power Transformer No. 1696-x. Utilizing 5-27s; 1-71A and 1-80. Shipping weight 9 lb. **C2277**  
Your Cost.....



**\$3.50**

## Sonora Model A-31

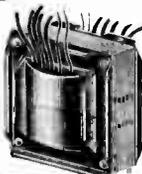
Fits exactly in chassis as the original Sonora Power Transformer, using a Genuine Thordarson transformer. For sets, utilizing 4-24s; 1-27; 2-45s, and 1-80 tubes. Shipping weight 12 lbs. **C2275**  
Your Cost.....



**\$3.20**

## Amrad Bel-Canto Model 81

The original Amrad power transformer, utilizing 3-24s; 2-27s; 2-45s and 1-80 tubes. Shipping weight 12 lbs. **C2281**  
Your Cost.....

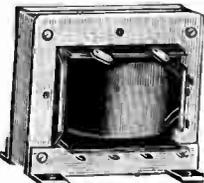


**\$3.10**

## Eveready Power Transformers

### 30 Series

Identical in size and electrical characteristics as the original. For sets utilizing 5-27s; 2-71As and 1-80 tubes. Shipping weight 9 lbs. **C2283**  
Your Cost.....



**\$3.50**

### 40 and 50 Series

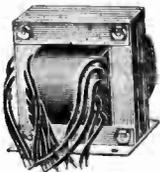
Similar in appearance to above transformer. For sets utilizing, 5-27s; or 24s; 2-45s; and 1-80 tubes. Shipping weight 9 lbs. **C2284**—Your Cost.....

**\$2.80**

## General Purpose Replacement for Any Receiver Using 4-26s

1-27, 2-71As, 1-80

A quality replacement power transformer that can be used in any receiver using the above tubes: Atwater-Kent, Crosley, Radiola, Freshman, Kolster, General Motors, Dayfan, Steinite, etc. The flexible color-coded leads are of sufficient length to permit easy and direct wiring. For 110-volt, 60-cycle. Size, 3 3/4 x 3 1/2 x 2 3/4". Shipping weight 6 lbs. **C1472**  
Your Cost.....



**\$1.75**

Same tube combination as above, except for 25-cycle operation, 110-volt. **C1471**—  
Your Cost.....

**\$2.75**

## Replacement Power Transformers - Continued

Name of Radio	Model	Stock No.	Your Cost	
<b>PEERLESS</b>	Series 20 Electrostatic.....	C2140	\$4.85	
	Courier 65: 651, 652 and 653	C2290	2.50	
<b>PHILCO</b>	15.....	C1909	\$3.30	
	20 and 220.....	C1955	2.75	
	21.....	C1910	3.60	
	50.....	C1951	2.55	
	65.....	C1956	2.75	
	70.....	C1957	2.75	
	76 and 77.....	C1958	2.75	
	86.....	C1960	2.75	
	87.....	C1959	2.75	
	90 (2-45s).....	C1961	2.75	
	90 (1-47).....	C1952	3.75	
	90 (2-47s).....	C1953	3.30	
	91-121.....	C1911	2.85	
	95 and 96.....	C1962	2.75	
	111 and 211.....	C1963	2.75	
	112 and 212.....	C1954	2.75	
	500 Series (511).....	C1964	2.95	
	<b>RCA-RADIOLA</b>	104 Loudspeaker.....	C2307	\$1.85
		30-A.....	C2175	5.95
32-AC.....		C2307	1.85	
17, 18, 33, 50, 51; 60 cycle.....		C2150	1.65	
17, 18, 33, 50, 51; 25 cycle.....		C2151	3.25	
44, 46, 47; 60 cycle.....		C2152	2.75	
44, 46, 47; 25 cycle.....		C2192	4.45	
60 and 62; 60 cycle.....		C2153	2.75	
60 and 62; 25 cycle.....		C2191	4.45	
66; 60 cycle.....		C2154	3.50	
66; 25 cycle.....		C2193	4.95	
41, Receptor Pack.....		C2160	4.50	
41, Sterling Pack.....		C2159	4.50	
64 and 67; 60 cycle.....		C2157	9.40	
64 and 67; 25 cycle.....		C2137	14.45	
42 and 48; 60 cycle.....		C2155	1.65	
42 and 48; 25 cycle.....		C2143	3.95	
42 and 48; 220 volt.....		C2144	4.75	
80, 82, 86; 60 cycle.....		C2156	1.75	
80, 82, 86; 25 cycle.....		C2141	2.95	
80, 82, 86; 220 volt.....		C2142	3.75	
Superette (8 tube), 60 cycle.....		C2187	1.90	
Superette (8 tube), 25 cycle.....		C2145	3.95	
Superette (8 tube), 220 volt.....	C2146	4.10		
Radiolette (4 tube), 60 cycle.....	C2188	1.65		
Radiolette (4 tube), 25 cycle.....	C2147	3.25		
Radiolette (4 tube), 220 volt.....	C2148	3.70		
R-11, 18 and 18-A; 60 cycle.....	C2189	3.95		
R-11, 18 and 18-A; 25 cycle.....	C2149	5.25		
R-11, 18 and 18-A; 220 volt.....	C2069	5.25		
R-50, R-55 and RE-20, 60 cycle.....	C2190	3.95		
105 Loudspeaker.....	C2199	9.25		
<b>SONORA</b>	A-31.....	C2275	\$3.20	
		C2276	\$3.40	
<b>STEINITE</b>	40, 40-A, 405 and 45A.....	C2217	3.95	
	70.....			
<b>SPARTON</b>	AC-7, 62 and 63.....	A229	\$2.30	
	69, 79, 79-A and 89.....	A230	3.54	
	930.....	A228	1.95	
	89-A.....	A231	6.50	
	109 Sparks Ensemble and Deluxe.....	A232	7.05	
	101, 110, 111, 574 and 870.....	A233	7.40	
	589, 591, 593 and 931.....	A234	4.05	
	301, 564 and 570.....	A235	7.06	
	600, 610, 620 and 737.....	A236	3.95	
	410.....	A250	4.65	
	<b>STEWART-WARNER</b>	950 Series, 951, 952, 953, 961, 962, 963.....	C2272	\$5.95
100-A and 100-B.....		C2242	3.75	
<b>STROMBERG-CARLSON</b>	10 and 11.....	C2370	\$3.75	
	12 and 14.....	C2282	4.10	
	19 and 20.....	C2371	3.95	
	29.....	C2372	3.95	
	635 and 636.....	C2256	3.95	
	638, 25-60 cycle.....	C2249	7.45	
	641, 642, 652, 654.....	C2257	3.55	
	846 and 848.....	C2258	4.50	
	846 Speaker Transformer.....	C2346	3.50	
	<b>VICTOR</b>	R-32, RE-45, R-52 and RE-75 (new type).....	C2185	\$2.70
		15, 14 and 17.....	C2155	1.65
35, 39 and 57.....		C2195	1.75	
7-11, 7-25, 7-26 and 17-8, 60 cycle.....		C2150	1.65	
7-11, 7-25, 7-26 and 17-8, 25 cycle.....		C2151	3.25	
9-18 and 9-54.....		C2157	9.40	
9-18 and 9-54, 25 cycle.....		C2137	14.45	
R-7AC.....		C2187	1.90	
R-5AC.....		C2188	1.65	
R-11.....		C2189	3.95	
RAE-59, RAE-79.....		C2190	3.95	
<b>WESTINGHOUSE</b>	WR-4.....	C2155	\$1.65	
	WR-5, WR-6 and WR-7.....	C2156	1.75	
	WR-10A.....	C2187	1.90	
	WR-14.....	C2188	1.95	
	WR-15.....	C2189	3.95	
<b>TEMPLE</b>	8-60, 8-80, 8-90.....	C2120	\$3.75	
<b>ZENITH</b>	33, 33X, 34, 34X; ZE-10 Power Unit.....	A227	\$2.25	
	50-60 and 70 Series; ZE-50, ZE-60, ZE-70 Power Units.....	C1980	4.10	
	35PX, 35APX, 37A; ZE-18 Plate Transformer.....	C1983	3.75	
	Super-Het, 10, 11 and 12, 60 cycle.....	C1981	2.65	
	Super-Het, 102, 112, 122, 25 cycle.....	C1982	3.75	
	91, 92.....	C1984	4.95	
	ZE 7 Plate Transformer.....	C1985	4.50	

# Trutest

# Power Transformer Repair Service

# POWER TRANSFORMERS



## Remanufactured in Every Detail

Where there is not available from our stock for replacement, TRUTEST REPAIR SERVICE is recommended for any make or model of receiving set.

Send in the defective transformer, we will rebuild it in every detail as when it was originally installed in the set, laminations and original casing will be used, coils will be completely rewound with the very best grade of copper and insulations. Mechanically and electrically, the transformer will reach you in the original state as when new, except a higher safety factor, concerning the coil itself, will be allowed.

The rebuilding of these transformers is done under the supervision of experienced transformer Engineers, they are checked and put under actual load before shipping. Send in the old transformer prepaid by express or parcel post, specify on your order, name and model number of set, giving exact tube combination. Be sure your name and address is on the package.

### PRICE LIST "Guaranteed Like Original"

Tube Combination	Your Cost
4-'26s 1-'27 1-'71 1-'80	\$3.20
4-'26s 1-'27 2-'71s 1-'80	3.40
4-'26s 2-'27s 2-'71s 1-'80	3.70
5-'27s or '24s 1-'45 or '47 1-'80	3.65
5-'27s or '24s 2-'45s or '47s 1-'80	3.95
5-'27s 1-'10 or '50 1-'81	4.90
5-'27s or '24s 1-'10 or '50 1-'81	4.90
5-'27s or '24s 2-'10s or '50s 2-'81s	6.00
6-'27s or '24s 2-'10s or '50s 2-'81s	6.95
7-199s 1 or 2-'10s or '50s 2-'81s	6.95

Transformers using Raytheon tube in place of 280 or 281, 25c less than above prices.

### Sparton, Cardon or Kellogg Type Tubes

5 or 6-484s or 401; 2-71a r C182B; '80.

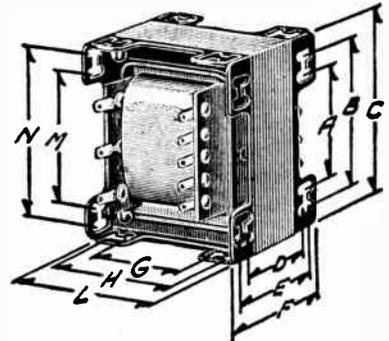
6 or 7-484s; 2-'50s; 2-'81s.

For Transformers in wax or pitch, a charge of 50c is added. High voltage transformers for radio sets, which consist only of rectifier filament and plate supply windings. On these the price can be estimated from \$2.00 to \$3.00.

## Trutest Universal Replacement Power Transformers Built for Extra Heavy Duty Service

The most complete line of universal replacement power transformers, with flexible tube combinations and adjustable mounting frames that permit an adequate range of mounting adjustments for all practical purposes. They are so ingeniously designed and so expertly built that there is hardly a receiver of standard make that can not be honestly and economically serviced by means of one of these types listed on this page. We say honestly because we know their electrical characteristics to be right by actual use, and because we know them to be a quality product of a reputable manufacturer.

For efficiency, durability and stability under general operating conditions, these transformers are unsurpassed. You are prepared for any emergency by carrying one or two of each of these types on your shelves at all times. One each enables you to service over 250 different sets on short notice. The very finest grade of copper, insulation and steel is used in the manufacture of these products. No skimping, no border line ratings. Especially built over-size to afford a large safety factor. Equipped with soldering lugs mounted on a fibre strip.



### Physical Dimensions

For: 6-227's, or 224's, 1-245 or 247, 1-280.  
Primary: 110 volts 50-60 cycles.  
Secondaries: (1) 700 volts C. T. 70 M. A. (plate)  
(2) 5 volts C. T. 2 amps. (1-280 filament)  
(3) 2.5 volts C. T. 1.5 amps. (1-245 or 247 filament)  
(4) 2.5 volts C. T. 8.75 amps. (5-227's or 224's filament). Shipping weight 6 lbs.  
110 volts 50-60 cycles. **\$2.20**  
**C1477—Your Cost**.....

For 110 volts 25 cycles. Shipping weight 10 lbs.  
**C1467—Your Cost**..... **\$3.95**

For 7-227's, or 224's, 2-245's or 247's, 1-280.  
Primary: 110 volts 50-60 cycles.  
Secondaries: (1) 700 volts C. T. 110 M. A. (plate)  
(2) 5 volts C. T. 2 amps. (1-280 filament)  
(3) 2.5 volts C. T. 3 amps. (2-245's or 247's filament)  
(4) 2.5 volts C. T. 12.25 amps. (7-227's or 224's filament). Shipping weight 10 lbs.  
110 volts 50-60 cycles. **\$2.85**  
**C1475—Your Cost**.....

For 110 volts 25 cycles. Shipping weight 15 lbs.  
**C1465—Your Cost**..... **\$4.50**

### C1463, C1476, C1477

A—2 <sup>1</sup> / <sub>16</sub> "	B—2 <sup>1</sup> / <sub>16</sub> "	C—3 <sup>3</sup> / <sub>8</sub> "
D—1 <sup>7</sup> / <sub>8</sub> "	E—2 <sup>1</sup> / <sub>2</sub> "	F—2 <sup>1</sup> / <sub>2</sub> "
G—1 <sup>1</sup> / <sub>16</sub> "	H—2 <sup>1</sup> / <sub>16</sub> "	L—3 <sup>1</sup> / <sub>8</sub> "
M—2 <sup>3</sup> / <sub>16</sub> "	N—3 <sup>3</sup> / <sub>16</sub> "	

### C1475

A—2 <sup>1</sup> / <sub>16</sub> "	B—3 <sup>1</sup> / <sub>16</sub> "	C—4 <sup>1</sup> / <sub>2</sub> "
D—2 <sup>1</sup> / <sub>16</sub> "	E—3 <sup>1</sup> / <sub>4</sub> "	F—3 <sup>3</sup> / <sub>8</sub> "
G—2 <sup>3</sup> / <sub>16</sub> "	H—3 <sup>3</sup> / <sub>16</sub> "	L—3 <sup>3</sup> / <sub>8</sub> "
M—3 <sup>3</sup> / <sub>16</sub> "	N—4 <sup>1</sup> / <sub>16</sub> "	

### 25 CYCLE

### C1464, C1466, C1467

A—2 <sup>1</sup> / <sub>16</sub> "	B—2 <sup>1</sup> / <sub>16</sub> "	C—3 <sup>3</sup> / <sub>8</sub> "
D—3 <sup>1</sup> / <sub>8</sub> "	E—3 <sup>3</sup> / <sub>8</sub> "	F—4 <sup>1</sup> / <sub>2</sub> "
G—1 <sup>1</sup> / <sub>16</sub> "	H—2 <sup>1</sup> / <sub>16</sub> "	L—3 <sup>1</sup> / <sub>8</sub> "
M—2 <sup>3</sup> / <sub>16</sub> "	N—3 <sup>3</sup> / <sub>16</sub> "	

### C1465

A—2 <sup>1</sup> / <sub>16</sub> "	B—3 <sup>1</sup> / <sub>16</sub> "	C—4 <sup>1</sup> / <sub>2</sub> "
D—3 <sup>3</sup> / <sub>8</sub> "	E—4 <sup>1</sup> / <sub>2</sub> "	F—5 <sup>1</sup> / <sub>2</sub> "
G—2 <sup>3</sup> / <sub>16</sub> "	H—3 <sup>3</sup> / <sub>16</sub> "	L—3 <sup>3</sup> / <sub>8</sub> "
M—3 <sup>3</sup> / <sub>16</sub> "	N—4 <sup>1</sup> / <sub>16</sub> "	

We carry in stock at all times, a most complete line of every type and style of power transformers. Special power transformers, requiring different type windings, can be supplied at a most reasonable cost, to your own specifications. We will be pleased to quote on large quantities to jobbers and set manufacturers.

For 6-226's, 1-227, 2-171A's, 1-280

Primary: 110 volts 50-60 cycles.  
Secondaries: (1) 570 volts C. T. 70 M. A. (plate)  
(2) 5 volts C. T. 2 amps. (1-280 filament)  
(3) 2.5 volts C. T. 1.75 amps. (1-227 filament)  
(4) 5 volts C. T. 1/2 amp. (2-171A's filament)  
(5) 1.5 volts 6.3 amps. (6-226's filament)  
Shipping weight 6 lbs.  
110 volts 50-60 cycles.

**C1476—Your Cost**..... **\$2.65**  
For 110 volts 25 cycles. Shipping weight 10 lbs.

**C1466—Your Cost**..... **\$3.95**

For 6-227's, or 224's, 2-171A's, 1-280  
Primary: 110 volts 50-60 cycles.  
Secondaries: (1) 570 volts C. T. 70 M. A. (plate)  
(2) 5 volts C. T. 2 amps. (1-280 filament)  
(3) 5 volts C. T. 1/2 amp. (2-171A's filament)  
(4) 2 1/2 volts C. T. 10 1/2 amps. (6-227's or 224's filament) Shipping weight 6 lbs.  
110 volts 50-60 cycles.

**C1463—Your Cost**..... **\$2.75**  
For 110 volts 25 cycles. Shipping weight 10 lbs

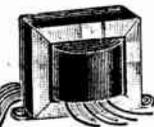
**C1464—Your Cost**..... **\$3.95**

# Miscellaneous Transformers and Chokes

## Trutest Tube Tester Filament Transformer

1½, 2, 2½, 3, 3.5, 6, 3, and 7.5 volts; 2 amps.

A high quality filament transformer for replacement in standard tube testers. Voltages for all type tubes including battery tubes and new auto tubes. Very compact in size, no larger than an audio transformer. Color-coded flexible leads. Primary tapped at 105, 115 and 125 volt, 50-60 cycle. Secondary is single winding with the correct voltages tapped. Size 2½x2x2¼". Mounting centers, 3½". Shipping weight 3 lbs. **C2367—Your Cost** **\$1.45**



## Trutest Filament Transformer 2½ Volts at 10½ Amperes

Made to our own specifications by one of America's largest transformer manufacturers. Rugged and well made; guarantee to deliver the rated voltages and load without heating. 110 volt primary. 1000 volt insulation. Size 3x2x2½". Shipping weight 3 lbs. **C2383—Your Cost** **\$1.05**



Same as above, except uncased, 2½ volts at 10½ amperes, semi-open type, strap mounting. Size 3¼x2½x2¼". Mounting 3¼". 110 volt primary. Shipping weight 3 lbs. **C2387—Your Cost Special** **95¢**

Same as above, except 2½ volts at 5¼ amperes. Uncased. **C2388—Your Cost** **85¢**

## Power Transformer

For Apex Models 29 and 31 Series Montgomery-Ward Models 3035, 3037, 3065, 3067.

The original replacement transformer for above receivers. 2½-volt winding for 5 heater and 2 power tubes, 5-volt for 280 tube, and high voltage winding. 120-volt, 60 cycle primary. Fully shielded. Brand new. Shipping weight 10 lbs. **C2212—Your Cost** **\$4.25**



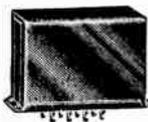
## Power Transformer and Choke For Knight Model 8/9

An exact duplicate of the original part. Combines a power transformer and filter choke. Designed to afford a high safety factor and will operate the required number of tubes without heating. Shipping weight 13 lbs. **C2361—Your Cost** **\$4.25**



## Stromberg-Carlson Filter Inductor Assembly for Models 641-642-652-654

An exact duplicate of the original Stromberg-Carlson replacement part. Combines two filter chokes, tapped, in one container. Shipping weight 6 lbs. **C2373—Your Cost** **\$3.25**



## G. E. Step-down 220 Volts to 110 Volts - or to Step-up 110 Volts to 220 Volts

G. E. Auto Transformer for reducing 200-220 A. C. to 100-120 A. C. or increasing 100-120 A. C. to 200-220 volts. Ideal for operating 110-volt radio or electrical machines from 220-volt line. Has many uses in the experimenter's lab. Output .275 KVA (275 Watts). Size, 7½x4¼x3¾" deep. Shipping weight 14 lbs. **C2269—Your Cost, Special** **\$1.95**



## Philco 4 Tube Midget Power Transformer



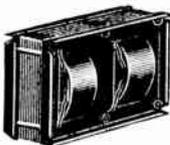
An exact duplicate of the original Philco Part No. 7421. Primary 105-125 V. 50-60 cycle, 5 V. at 2 amps. High voltage C. T. and 6.3 V. for heater and power tubes. Shipping weight 4 lbs. **C1950—Your Cost** **\$1.65**

## Grebe SK-4 Power Transformer

A quality replacement power transformer that will exactly replace the original in every respect, except primary is for 110-120 volt, no ballast required when using this replacement. Supplies filament and plate voltages for the following tubes: 4 heaters, 2 '45s, and 1 '80. Shipping weight 11 lbs. **C2235—Your Cost** **\$3.95**



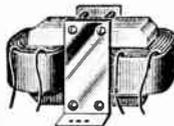
## Kolster Double Choke



1300 ohms, D. C. resistance. Coil No. 1939, 800 ohms, Coil No. 2159. Size 6x3¼x2". Shipping weight 5 lbs. **C2063—Your Cost** **\$1.75**

## Freed and Earl Double Choke

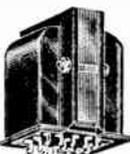
Double Choke Units for Freed Models 55, 56, 78, 79, 79-S, 65, 95 and 33 also for Earl—21, 24, 31, 32, 31-S, 32-S, and 41. Can be used in any filter circuit as they are 30 Henry 100 M. A. at 400 ohms. Size 4½x3¼x2¼". Shipping weight 3 lbs. **C2393—Your Cost, Each** **90¢**



## Freed-Eisemann Double Choke

Identical to above in appearance, except has terminal strip for connections. For Models NR-60, NR-57, NR-57A, NR-80. Same size and shipping weight. **C2394—Your Cost** **90¢**

Can be used in Balkeitt A3, A5, A7; Fada 16, 17, 20, 32, 50, 70, 71, 72; Crosley 804; Eveready 30 Series, and Steinite 40-A, 45-A. 2½-volt winding for 5-227s, 5-volt winding for 2-171As, 6-volt winding for 280 tube; 285/285 volt at 60 MA. 120-volt primary. Size, 4½x3¼x3½ inches. Mounting centers 2½x2½ inches. Soldering lugs terminate on an insulated strip. Shipping weight 7 lbs. **C1515—Your Cost** **\$2.45**

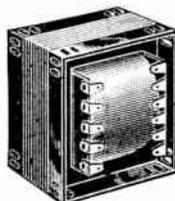


## "B" Eliminator Transformer

A popular replacement unit for all "B" Eliminators, 5-volt winding for '80 tube and 500-volt H. V. winding center-tapped. Can be used with Raytheon type tube, by disregarding 5-volt winding. Size 2½x2½x2¼". Shipping weight 4 lbs. **C2291—Your Cost** **\$1.65**



## Universal Replacement Power Transformers



Here is a line of Universal Replacement Power Transformers that will meet the demand of the service man for a quality product at a low price. They have the Universal Mounting Bracket, can also be mounted inverted in place of the flush type transformers, by removing the bracket on the side with the soldering lugs. The materials and workmanship is of high quality. Electrostatic shield. Diagram of hook-up furnished.

### 4, 5, and 6 Tube Sets

2.5 volts, 5¼ amperes, C. T. for heater tubes. 2.5 volts, 3 amperes C. T. for power tubes. 5 volts, 2 amperes for 280 tube. 330-330 volts, 60 M. A. High voltage shield grounded to core. Primary 115, 60 cycle. Size 2½x3¼x3¼". Shipping weight 6 lbs. **C1470—Your Cost Each** **\$1.70**

### 7, 8, and 9 Tube Sets

2.5 volts, 9½ amperes, C. T. for heater tubes. 2.5 volts, 3 amperes, C. T. for power tubes. 5 volts, 2 amperes for 280 tube. 330-330 volts, 75 M. A. High voltage shield grounded to core. Primary 115, 60 cycle. Size 2½x3¼x3¼". Shipping weight 7 lbs. **C1469—Your Cost Each** **\$1.90**

### 10, 11 or 12 Tube Sets

2.5 volts, 14 amperes, C. T. for heater tubes. 2.5 volts, 3 amperes, C. T. for power tubes. 5 volts, 2 amperes for 280 tube. 330-330 volts, 100 M. A. High voltage shield grounded to core. Primary 115, 60 cycle. Size 2½x3¼x3¼". Shipping weight 7 lbs. **C1468—Your Cost Each** **\$2.20**

## 8 and 9 Tube Receivers Universal Replacement

For 6 Heater Tubes, 2-45s or 47s and 1-80 Rectifier.

This is ideal for general replacement work, it has been used in many of the electric receivers. Can be installed in upright or inverted position. 375/375 volts at 100 MA. 2.5 volts at 9 amps; 2.5 volts at 3 amps; 5 volts at 2 amps. For 105-120 volt, 50-60 cycle primary. Size, 4½x3¼x4½" high. Mounting centers, 2½x3¼x3¼". Shipping weight 9 lbs. **C1488—List Price \$8.00—Your Cost** **\$2.45**

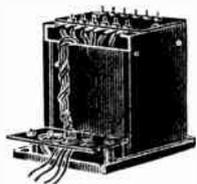


Same as above, except for 220 volt, 50-60 cycle operation. Shipping weight 10 lbs. **C1474—List price \$10.00—Your Cost** **\$4.25**

Same as above, except for 105-120 volt, 25 cycle operation. Shipping weight 10 lbs. **C1475—Your Cost, Special** **\$3.95**

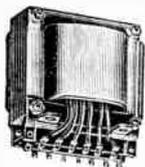
## Steinite Replacement Power Pack Models 261, 262.

Complete—Power Transformer, Condenser, Chokes and Resistors. Made especially for replacement in Steinite Models 261-262. All contained in a heavy gauge metal case. Terminal board for connections, Bakelite strip with 280 socket. Completely wired, ready for operation. For any set using 5-26s, 1-27, 2-71s and 1-80 tubes. 110-volt, 60-cycle. Shipping weight 13 lbs. **B942—Your Cost, Special** **\$5.85**



# GENUINE CROSLLEY PARTS

## Power Transformer No. W-22356 for Model 122



Genuine Crosley Replacement Power Transformer. Supplies filament and plate voltages for the following tubes: 2-35s, 3-24s, 1-47 and 1-80. Mounts inverted with leads brought out to a terminal strip with soldering lugs. Shipping weight 10 lbs.

C1897—  
Your Cost..... **\$2.10**

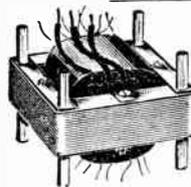
## For Models 47 and 48 Crosley Part No. 21432

Original transformer designed for use in the above model receivers employing the following tubes: (Model 47—2-224s; 1-245 and 1-280 tubes); (Model 48—3-224s; 1-245 and 1-280 tubes). This transformer is ideal for replacement work, being compact in size, shielded and provided with leads for direct wiring. For 110-120 volt, 50-60 cycle operation. Shipping weight 5 lbs.



C1854—  
Your Cost..... **\$1.30**

## Power Converters 104-R and 105-R



Crosley part No. 4299. May also be used in sets employing 4-26s; 1-27, 1-71A, and Raytheon rectifier tube. Size, 4 x 4 1/2 x 3 3/4 inches. Shipping weight, 7 lbs.

C1889—  
Your Cost..... **\$1.45**

## For Model AC-7

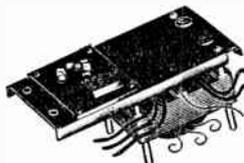
Crosley part No. 3315. 5-99s, 1-12A and Raytheon rectifier. Size 3 3/4 x 3 x 3 1/2 inches. Shipping weight 5 lbs.

C1890—Your Cost Each..... **\$1.10**

## For Power Converters 104, 105, 106 Bandbox

Crosley part No. 4682. Consists of Power Transformer and Panel. Has female 10 lead connection and fuse clips. Brown crystalline finish. Size 4 1/4 x 8 1/2 x 3 3/4 inches deep. Shipping weight, 8 lbs.

C1882—Your Cost Each..... **\$1.45**



## For Models 30-S, 31-S, 33-S and 34-S

Crosley part No. 6682. Original power transformer for above sets. May also be used in other sets using 2-24s, 2-27s, 2-45s and 1-80. Size 4 1/2 x 3 x 4 1/2 inches. Shipping weight 6 lbs.

C1843—Your Cost Each..... **\$1.95**

## For Model 608

Crosley part No. 5145. 3-26s, 1-27, 1-71A and 1-80. Size 3 1/2 x 2 3/4 x 3 3/4 inches high. Shipping weight, 5 lbs.

C1884—Your Cost Each..... **90¢**

Crosley part No. 5160. Same as above except for 25 cycle current. Shipping weight, 6 lbs.

C1885—Your Cost Each..... **\$1.75**

## For Models 704-B and 706 Showbox

Crosley part No. 5115. Shipping weight, 6 lbs.

C1850—Your Cost Each..... **\$3.25**

## 1st Stage Audio and P. P. Input Transformer Assembly For Models 41-A, 42, 704, 706



An exact duplicate of the original Crosley replacement part No. 5315. Consisting of 1st Stage Audio Transformer and P. P. Input Transformer. No changes necessary to install this unit. A quality replacement in every respect, brown lacquer finish, equipped with spade bolts, ready for mounting, fits the chassis, mounting holes. Hook-up diagram furnished with each unit. Size, 2 1/2 x 1 7/8 x 4 1/4. Shipping weight, 3 lbs.

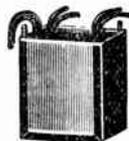
C1892—Your Cost Each..... **\$2.25**

## Double Audio for Model 608

Identical in appearance to above. Crosley part No. 5125. Genuine replacement. Two transformers in one can. Shipping weight, 3 lbs.

C1880—Your Cost Each..... **\$1.59**

## P. P. Input Transformer Models 60-S, 61-S, 62-S, 63-S



Crosley part No. 7167. Push-Pull Input Transformer for the above receivers. Has two separate secondary windings. Genuine Replacement. Shipping weight, 2 lbs.

C1848—Your Cost..... **\$1.25**

## P. P. Input for Models 30-S, 31-S, 33-S, 34-S, 40-S, 41-S, 42-S and 82-S

Similar in appearance to above. Straight Push-Pull Input Transformer. Crosley part No. 6590. Shipping weight, 2 lbs.

C1849—Your Cost Each..... **95¢**

## P. P. Input and P. P. Output Choke for Model 804

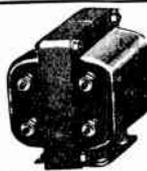
Crosley replacement Part 5670, push-pull input and push-pull output choke in one container. This is an exact duplicate of the original part. Shipping weight 3 lbs.

C1847—Your Cost..... **\$2.45**

## Type "B" Audio

Crosley part No. 2015. Ratio 4:1. Used in Crosley Pup. Easy to mount; an ideal general replacement audio. Black enamel case. Size 1 3/4 ins. wide, 2 1/8 ins. long, 2 3/8 ins. high. Shipping weight, 2 lbs.

C1876—Your Cost Each..... **35¢**



## Type "C" Audio

Crosley part No. 2014. Ratio 9:1. Used in Crosley "Pup." Black enameled case. Similar in appearance to the above. Size, 2 3/4 inches long, 1 3/4 ins. wide, 2 1/8 ins. high. Shipping weight, 2 lbs.

C1877—Your Cost Each..... **35¢**

## Model 704-A

Crosley part No. 4905. Shielded in metal case. May also be used in other sets using 4-26s; 1-27; 2-71A's; 1-80. Size, 4 x 4 3/4 x 4 3/4 inches high. Shipping weight, 9 lbs.

C1886—Your Cost Each..... **\$1.95**

## Model 704

Crosley part No. 4715-4816. Identical in appearance with above transformer. 4-26s, 1-27, 1-71A and 1-80. Size 4 3/4 x 4 3/4 inches high. Shipping weight 10 lbs.

C1887—Your Cost Each..... **\$1.95**



THESE COILS ARE THE GENUINE CROSLLEY REPLACEMENT ANTENNA AND R. F. PARTS. THEY ALSO CAN BE USED FOR OTHER SETS. IDEAL FOR THE NEW SET BUILDER.



YOUR CHOICE OF ANY OF THE FOLLOWING COILS, EACH..... **10¢**

Shipping weight, any coil, 1 lb.

MODELS 20, 21 AND 22

C1855—R. F. Coil No. 6435

MODEL 804 JEWEL BOX

C1857—Antenna Coil No. 5761

C1858—R. F. Coil No. 5762

MODELS 53, 54, 57, 77 AND 91

C1862—Antenna Coil No. 20444

MODEL 401 BANDBOX JR.

C1861—Antenna or R. F. Coil No. 4201

MODELS 602, 704, 704-A AND 704-B

C1860—R. F. Coil No. 4365

MODEL 705 SHOWBOX

C1863—R. F. Coil No. 5428

MODELS 608, 706, 41-A, 42, GEMBOX

C1859—R. F. Coil No. 5065

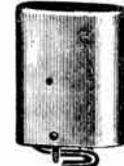
MODELS 609 AND 610 GEMBOX

C1864—R. F. Coil No. 5872

## 30 H Filter Choke

Models 41-A, 42 and

804 Jewel box

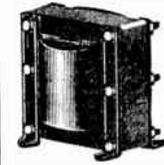


Crosley part No. 4935. Used as filter choke in above sets or other sets requiring choke of 350 ohms D. C. resistance at 60 mls. Shipping weight, 2 lbs.

C1870—Your Cost Each..... **39¢**

## Filter Choke

For D. C. Showbox 705



Crosley part No. 5419. D. C. choke of 150 ohms D. C. resistance. Size 3 3/4 x 2 1/2 x 3 1/2 inches high. Shipping weight, 5 lbs.

C1871—Your Cost..... **75¢**

## Double Filter Choke

30-H. -- 80-M.A.

Crosley part No. 4692. Double choke in one can. 30 henries each at 80 m. a. 150 ohms, D. C. resistance, each section. Brown crackle case. Size 3 1/2 x 2 3/4 x 2 3/4 inches high. Shipping weight, 3 lbs.

C1881—Your Cost Each..... **69¢**



## Audio for Bandbox Jr.



Crosley part No. 4060. Original Audio used in Bandbox Jr., 401, 401A, 601, 704 and 704A. Natural aluminum case. Size 2 3/4 x 1 3/4 x 2 3/4 inches high. Shipping weight 2 lbs.

C1879—Your Cost Each..... **35¢**

## Detector Choke

Crosley part No. 3490. Used in Crosley A. C. power unit for model A. C. 7 receivers. 7000 ohms D. C. resistance, 100 henries. Size, 2 3/4 ins. long, 1 3/4 ins. wide, 2 1/8 ins. high. Shipping weight, 2 lbs.

C1873—Your Cost Each..... **95¢**



## Crosley Plate Choke

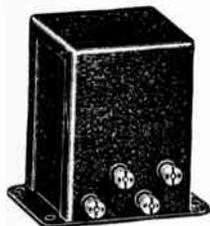
Crosley part No. 3325. Used in plate choke assembly in A. C. supply unit of Model A. C. 7 receivers. 1800 ohms D. C. resistance. Size, 2 3/4 ins. long, 1 1/8 ins. wide, 2 3/8 ins. high. Shipping weight 2 lbs.

C1874—Your Cost Each..... **95¢**

**We Will Not Knowingly Be Undersold**

# Trutest De Luxe AUDIOS

## Trutest Presents an Entirely New Line of DELUXE AUDIO EQUIPMENT



The excellent performance of Trutest Audio equipment is a direct result of intelligent design, unusual care in manufacture, and selection of high quality material. Special high quality steel is used in the core laminations and a coil structure is employed which provides low distributed capacity, low capacity coupling, and a high coupling factor. In all cases where center-tap connections are employed these are brought out between

sections or coils and never from within the winding. Sections and coils are so arranged as to give absolute magnetic and inductive symmetry and balance. Trutest Audio equipment offers a number of definite advantages in design, material and workmanship. Amplification curve is practically flat, and wave form distortion entirely absent.

Coils are layer wound, carefully tested, and failure traceable to coil defects are almost unheard of. Core steel is treated for maximum magnetic value. Dimensional accuracy of laminations and assembly insures complete freedom from the perplexing hum caused by even a slight irregularity in these respects. Maintenance of such exacting standards of material and workmanship is possible through our policy of "Laboratory Controlled Production." Our engineers are held responsible not only for design, but for factory production itself. Shielded in a heavy gauge steel case, having a pleasing black shrivel finish. Size  $2\frac{1}{2} \times 2\frac{1}{4} \times 3\frac{1}{2}$ ". Average shipping weight 6 lbs.

sections or coils and never from within the winding. Sections and coils are so arranged as to give absolute magnetic and inductive symmetry and balance. Trutest Audio equipment offers a number of definite advantages in design, material and workmanship. Amplification curve is practically flat, and wave form distortion entirely absent.

### Interstage Audio Transformers

These units for use in large concert hall amplifiers, public address systems as well as in radio receivers. A unit for every type of audio-frequency amplification.

1st Stage Audio, DeLuxe, ratio $3\frac{1}{2}:1$ .	<b>C1580—Your Cost</b> .....	<b>\$2.45</b>
2nd Stage Audio, DeLuxe, ratio 4:1.	<b>C1581—Your Cost</b> .....	<b>\$2.45</b>
Push-pull Input, DeLuxe, ratio $2\frac{1}{2}:1$ .	<b>C1579—Your Cost</b> .....	<b>\$2.45</b>
Push-pull, Inter-stage, DeLuxe, ratio 1.75:1.	<b>C1582—Your Cost</b> .....	<b>\$2.45</b>
Push-pull Input, split secondaries, isolated, ratio 1.75:1.	<b>C1562—Your Cost Each</b> .....	<b>\$2.75</b>

### Tube-to-Line Transformers

Tube-to-Line Transformers are required in amplifier installations that are separated in sections. These units are used to couple the output stage of the amplifier with a 200 or 500 ohm line which distributes power to other amplifiers or the reproducers.

Two 250 or 245 type tubes to 500 ohm line, 15 ohm winding for voice coil or monitor.	<b>C1591—Your Cost</b> .....	<b>\$4.45</b>
Two 210 type tubes to 500 ohm line, 15 ohm winding for voice coil or monitor.	<b>C1592—Your Cost</b> .....	<b>\$4.45</b>
Operating out of General purpose tube to 500 and 200 ohm lines.	<b>C1593—Your Cost</b> .....	<b>\$3.75</b>

### Mixer Transformers

Input, two button microphone, 200 ohm to grid of tube.	<b>C1587—Your Cost</b> .....	<b>\$1.95</b>
Input, two button microphone, 200 ohm to 500 ohm line.	<b>C1590—Your Cost</b> .....	<b>\$4.25</b>
Input, two button microphone, 200 ohms to a 50 ohm output. For using four microphones with four of these transformers; with secondaries in series feeding into a 200 ohm line.	<b>C1598—Your Cost</b> .....	<b>\$4.25</b>

### Phonograph Pick-Up Transformers

Input, pick-up to grid, primary impedance 500, 1000, 2000, and 4000 ohms.	<b>C1586—Your Cost</b> .....	<b>\$3.95</b>
Input, pick-up to grid. Primary impedance to match low impedance magnetic pick-up unit.	<b>C1596—Your Cost</b> .....	<b>\$2.75</b>

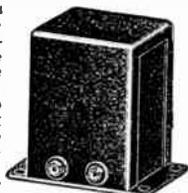
### Output Transformers

In all types of amplifiers and receivers an output transformer should be connected between output plate circuit and the loud speaker winding.

Push-pull 210 Output, to 10-15 ohm voice coil of dynamic.	<b>C1583—Your Cost</b> .....	<b>\$2.94</b>
Push-pull 245 Output, to 10-15 ohm voice coil of a dynamic.	<b>C1584—Your Cost</b> .....	<b>\$1.75</b>
Push-pull 247 Output, to 10-15 ohm voice coil of dynamic.	<b>C1585—Your Cost</b> .....	<b>\$2.45</b>
Single 250 Output, to 10-15 ohm voice coil of dynamic.	<b>C1588—Your Cost</b> .....	<b>\$2.94</b>
Push-pull 250 Output, to 10-15 ohm voice coil of dynamic.	<b>C1589—Your Cost</b> .....	<b>\$3.25</b>
Push-pull 171-245 Output, to a high impedance magnetic speaker.	<b>C1597—Your Cost</b> .....	<b>\$2.45</b>

### Trutest DeLuxe Scratch Filter

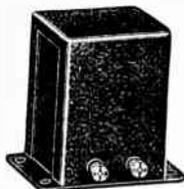
Practically eliminates the objectionable scratch, caused by friction of the needle in the pick-up. Improves tone quality. Equipped with tip jacks for input to pick-up and binding posts for output to amplifier or radio phonograph jack. Fully shielded in a metal case having a pleasing Black shrivel finish. Size  $3\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{4}$ ". Shipping weight 3 lbs.



**A118—Your Cost Special** .....

### Trutest Deluxe Screen Grid Audio Coupler

Designed to couple the output of any Screen Grid Detector, such as 57, 58, 224 or 235, to an Audio Amplifier Tube, will give from two to three times as much amplification as resistance coupling. Better tone quality over the entire frequency range. Fully shielded in a



metal case having a pleasing black shrivel finish. Size  $3\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{4}$ ". Shipping weight 3 lbs.

**C1594—Your Cost** .....

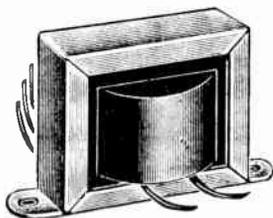
## TRUTEST Replacement Audios and Chokes

### Replacement Audios and Chokes

This complete line of TRUTEST Replacement Audios, Outputs and Chokes, has been very popular with the Radio servicemen in their daily work of replacing defective audio parts of radio receivers. Only the best material and workmanship is used in construction of these transformers. TRUTEST replacement Audios and Chokes are of medium size, semi-open form, with strap mounting and bottom plate, Cadmium plated. Average size  $3\frac{1}{4} \times 2\frac{1}{2} \times 1\frac{3}{4}$ ". Mounting centers, spaced  $2\frac{7}{8}$ ". Shipping weight 3 lbs.

#### Outputs

Output, Single '45 type tube to a 5-15 ohm voice coil of dynamic speaker.	<b>C1553—Your Cost</b> .....	<b>70¢</b>
Output Push-Pull '45s type tubes to a 5-15 ohm voice coil of dynamic speaker.	<b>C1554—Your Cost</b> .....	<b>85¢</b>
Output, Single Pentode '47 to a 5-15 ohm voice coil of dynamic speaker.	<b>C1555—Your Cost</b> .....	<b>79¢</b>
Output, Push-pull Pentodes, to a 5-15 ohm voice coil of dynamic speaker.	<b>C1556—Your Cost</b> .....	<b>85¢</b>
Output, Push-pull, 233, 238 to a 5-15 ohm voice coil of dynamic speaker.	<b>C1564—Your Cost</b> .....	<b>70¢</b>



#### Audios

Audio, either stage of standard audio amplification. Ratio 3 to 1.	<b>C1550—Your Cost</b> .....	<b>75¢</b>
Push-pull Input, from single plate to 2 grids. Ratio 2.5:1.	<b>C1551—Your Cost</b> .....	<b>82¢</b>
Push-pull Inter-stage, between 2 plates and 2 grids. Ratio 1.75:1.	<b>C1552—Your Cost</b> .....	<b>95¢</b>
Push-pull Input, Split Secondaries (Isolated), between 1 plate and 2 grids. Ratio 1.75:1.	<b>C1562—Your Cost</b> .....	<b>95¢</b>

### Phonograph and Microphone Matching Transformers

Phonograph Pick-up transformer 3000 ohms to grid of tube.	<b>C1559—Your Cost</b> .....	<b>\$1.20</b>
Single Button Microphone transformer, 200 ohms.	<b>C1560—Your Cost</b> .....	<b>95¢</b>
Double Button Microphone transformer, 200 ohms each side of center-tap.	<b>C1561—Your Cost</b> .....	<b>\$1.25</b>
Input-Pick-up to Grid: Primary impedance 500, 1000, 2000, and 4000 ohms.	<b>C1563—Your Cost</b> .....	<b>\$2.25</b>

#### Filter Chokes

Choke, 25 henry at 25 M. A. D. C. resistance of 830 ohms.	<b>C1557—Your Cost</b> .....	<b>59¢</b>
Choke, 11 henry at 60 M. A. D. C. resistance of 300 ohms.	<b>C1558—Your Cost</b> .....	<b>59¢</b>
Choke, 30 henry at 75 M. A. D. C. resistance of 1,000 ohms, center-tapped.	<b>C1571—Your Cost</b> .....	<b>70¢</b>
Choke, Heavy Duty, 30 henry at 125 M. A. D. C. resistance of 200 ohms.	<b>C1570—Your Cost</b> .....	<b>90¢</b>

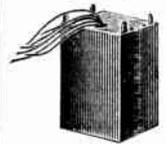


# RCA-Radiola-Victor Replacement Audios & Chokes



## Brand New—RCA—Victor Push-Pull Input and Output Transformer for RCA

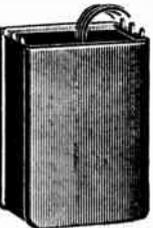
Models 80, 82 and 86, Victor R-35, 39 and 57, G. E. H-31, H-51, H-71.



Exact duplicate of the original replacement part No. 8554, and No. 61151. Consists of one push-pull input

and one push-pull output transformers in one can. Voice coil impedance 8-19 ohms. ALL BRAND NEW MERCHANDISE IS USED IN MAKING UP THIS REPLACEMENT. Shipping weight 5 lbs. C1998—**Your Cost Each \$1.50**

## Radiola Double Chokes Models 18-33-51, Part No. 8336



This heavy duty, rugged Filter Choke is the ideal choke for all types of filter circuits, power amplifiers, eliminators, transmitters and power packs. When connected in parallel, you have 30 henries at 200 mils. In series, 60 henries at 100 mils. Each choke has a 1000 volt insulation test, D. C. resistance 500 ohms. Fully shielded in metal case with special insulating compound. Size,  $5\frac{1}{2} \times 3\frac{3}{4} \times 2\frac{1}{8}$ ". Shipping weight 6 lbs.

C2171—Your Cost.....**40¢**

For Radiola Models 17 and 50 C2181—RCA No. 8288

For Radiola Models 60 and 62 C2182—RCA No. 8345

For Radiola Models 44-46-47 C2183—RCA No. 8475

For Radiola Model 66 C2184—RCA No. 8486. Shipping weight, 8 lbs.

Either Above Chokes. **\$1.40**  
Your Cost.....

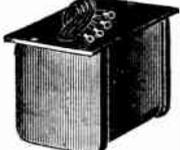
## Radiola Single Audio Radiola Models 60 and 62 Brunswick 3NC8—



5NC8 Graybar Model 60 This is the genuine Radiola Part No. 5805, single audio stage for the above model receivers. Shipping weight 1 lb.

C2173—List \$4.80  
Your Cost.....**95¢**

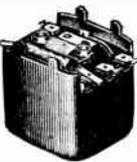
## Output Transformer 46-47-66



The Official RCA part No. 6019 for the above models, new and guaranteed. Can be used in RCA 106

speaker by addition of two 1 mfd. condensers across line. Shipping weight 3 lbs. Primary 350 ohms, secondary 6 ohms. C2170—Your Cost.....**35¢**

## Intermediates Radiolas 60, 62, 64, and 66



Here is the genuine "I. F." Transformer for the Radiola Models, each has been peaked at its correct frequency at the RCA Factory. Our supply is limited. Shipping weight 8 oz.

For Radiola Models 60, 62, 64 1st, 2nd, 3rd, "I. F." Transformer. (RCA No. 8342.) C2164—**Your Cost Each.....\$1.35**

For Model 66 1st, and 2nd "I. F." Transformer. (RCA No. 8481.) C2165—**Your Cost Each.....\$1.65**

3rd "I. F." Transformer. (RCA No. 8482.) C2166—**Your Cost.....\$1.95**

For Model 67 1st intermediate stage, RCA 8481. C2165—**Your Cost.....\$1.65**

2nd intermediate stage, RCA 8499. C2161—**Your Cost.....\$1.75**

3rd intermediate stage, RCA 8500. C2162—**Your Cost.....\$1.95**

## RCA Radiola Audio Transformer For Models RR, RX, R3, R3A, R4, R7B, R9, R20 and R-30-A, Part No. 557-2182



The genuine replacement audio transformer to be used in the first or second stage of any battery, D. C. or A. C. receiver. Universal mounting. Ratio 3:1. Primary 1000 ohms, secondary 5500 ohms, D. C. resistance. Size,  $3 \times 1\frac{1}{4} \times 1\frac{1}{4}$ ". Shipping weight 2 lbs.

C2006—**Your Cost Each.....45¢**  
Per Dozen.....**\$5.00**

## Coupling Reactor RCA Models 44, 46 and 47



Used to couple a Screen Grid Detector to a power output tube. About 700 h. at 3 ma. D. C. resistance 6000 ohms. Shipping weight 2 lbs.

C-2000—**Your Cost.....\$1.75**

## Genuine Push-Pull Inter-Stage and Push-Pull Output Audio Assembly

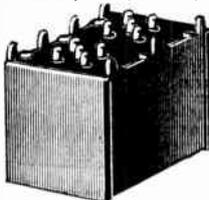
RCA-Victor Models R-50, R-55, RE-20, RAE-59 and RAE-79. G. E. Models H-32 and H-72. Graybar Model GB-100, RCA No. 8711

Consists of a push-pull inter-stage audio, primary 2300 ohms center-tapped, secondary 7600 ohms center-tapped. Output, push-pull audio, primary 600 ohms center-tapped, secondary, 10 ohms. Can be used with any receiver or power amplifier using p.p. pentodes in the output stage to the voice coil of a dynamic speaker. Unusually small in size,  $3\frac{3}{4}$ " high,  $2 \times 2\frac{1}{4}$ ". Metal container, completely shielded and pitched against moisture. Crimping lugs for easy mounting. 12" color coded leads for direct wiring. Shipping weight 5 lbs. **\$2.25**

C2001—Your Cost



## Victor P. P. Input and Output Transformer R-32, R-52, RE-45, RE-75

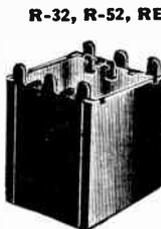


This is the genuine Victor P.P. Input and Output Transformer. Input Prim. 2000 ohms,

Second. 16,000 ohms. Output Prim. 500 ohms, Second. 6 ohms, to voice coil of a dynamic speaker. Shipping weight 5 lbs.

C1995—Your Cost.....**57¢**

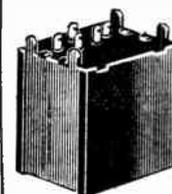
## Victor Choke R-32, R-52, RE-45, RE-75



The genuine Victor Filter Choke used in their receivers. Has a D. C. resistance of 200 ohms. 30 henry at 125 mils. A good choke for general use. Size  $3\frac{1}{2} \times 3\frac{1}{4} \times 2\frac{1}{2}$ ". Guaranteed. Shipping weight 6 lbs.

C1997—Your Cost.....**28¢**

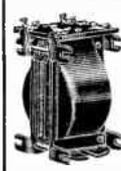
## Victor Audio R-32, R-52, RE-45, RE-75



The genuine Audio Transformer for Victor Receivers. Primary 1200 ohms, tapped at 50 ohms for phono. pickup. Secondary 2800 ohms. Brand new and guaranteed. Shipping weight 4 lbs.

C1996—Your Cost.....**28¢**

## RCA Photophone Photo Cell Matching Transformer



Consists of a single winding, of 4000 ohms, tapped at 10 and 130 ohms. Can also be used as phonograph pickup matching transformer, such as used on the RCA T-5 Electrola end table combination. Shipping weight 2 lbs. **A180 \$1.95**  
Your Cost Special.....

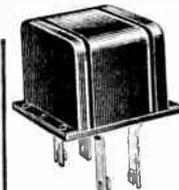
RCA Victor Phono. Pickup Input Transformer Primary 20 ohms, secondary 5500 ohms D. C. Resistance. Shipping weight 2 lbs. **A181—\$1.65**  
Your Cost Each.....

## Double Audio Transformer Assembly For Models 16-17-18-33-41-50 51 "Brand New Genuine Replacement"



Combines both first and second audio stages in one container. Primaries of both stangers 1000 ohms and secondaries 5000 ohms. Size,  $3\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{4}$ ". Shipping weight 3 lbs. RCA No. 5667. **C2005—Your Cost.....\$1.05**

## Input Audio Transformer Models 64 and 67



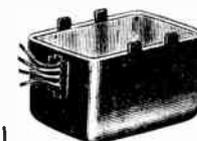
Straight audio input transformer used to couple a '27 to a single '50 type tube. The genuine RCA Radiola replacement No. 5869 G. Shipping weight 5 lbs.

C2002—Your Cost Each.....**\$2.95**

## Output Transformer

Used to couple a single '50 type tube to a 8-15 ohm voice coil of a dynamic speaker. RCA part No. 5747-5868. Shipping weight 5 lbs. **C2003—Your Cost Each.....\$1.95**

## Output Transformer Models 17-50



The Official RCA part No. 5683, output transformer for the above models. Primary 640 ohms, secondary 800 ohms. Single output to a magnetic speaker. Size  $2\frac{1}{2} \times 3\frac{1}{2} \times 2\frac{1}{2}$ ". Shipping weight 2 lbs.

C2168—Your Cost.....**35¢**

## Double Choke

For Model 30-A 60 Henry—150 Ma.



RCA Part No. 8275, consists of two 30 Henry, 150 MA. chokes mounted in a metal housing. D. C. resistance of each section is 400 ohms. Size  $5\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{4}$ ". Mounting centers,  $2\frac{1}{4} \times 3\frac{1}{4}$ ". Shipping weight 8 1/2 lbs. **C1574—List \$17.40**  
Your Cost Special.....**\$2.45**

## RCA Filter Choke 30 Henry 150 MA. Models 64 and 67



Genuine replacement choke, Part No. 5867, D. C. res. of 300 ohms. Size  $3\frac{1}{2} \times 2\frac{1}{4} \times 3"$  Shipping weight 5 lbs. **A182—List \$8.90**

Your Cost.....**\$2.25**

## For 105 Loudspeaker

Similar in appearance to above, D. C. resistance 1000 ohms. **A183—List \$6.75**  
Your Cost.....**\$1.65**

Perfect Merchandise - Prompt Shipment - Personal Service

# Guaranteed Replacement Audio Transformers

## Genuine Philco Replacements

Shipping weight 3 lbs.

### Straight Audio

Philco Models	Part No.	Stock No.	Your Cost
20-220	x	x	x
65	x	x	x
70-270	x	x	x
76-77	x	x	x
82-86-87	3241	C1744	\$1.65
90-90A	x	x	x
90-90A	x	x	x
95-96-296	x	x	x
111-112	x	x	x
500 Series	3077	C1745	1.35



Single or P-P Input



Single or P-P Output



Chokes

Part No.	Stock No.	Your Cost	Part No.	Stock No.	Your Cost	Part No.	Stock No.	Your Cost
4232	C1738	\$0.95	2766	C1746	\$0.95	4231	C1750	\$1.35
3242	C1740	.80	2766	C1746	.95	4951	C1751	.95
x	x	x	2673	C1749	1.10	4951	C1751	.95
3872	C1741	.80	2766	C1746	.95	3422	C1752	1.20
3243	C1740	.80	2766	C1746	.95	3472	C1736	.70
4952	C1742	1.65	2766	C1746	.95	4951	C1751	.95
x	x	x	2673	C1749	.95	4951	C1751	.95
3537	C1743	1.40	2766	C1746	.95	3422	C1752	.95
3537	C1743	1.40	2766	C1746	.95	3422	C1752	.95
x	x	x	x	x	x	4951	C1751	.95

## Crosley 706 P. P. Input and 1st Audio No. 5315



A replacement Audio and P. P. Input made expressly for use in Crosley Models 32, 40, 41, 41A, 42, 704 and 706. No changes necessary to install this unit, made exactly as the original, fits the chassis the same.

Diagram of hookup furnished with each transformer. Shipping weight 3 lbs.

C1892—  
Your Cost Special. **\$2.25**

### For Columbia Model C-920



Genuine Replacement Audio Transformer for Kolster-Columbia receivers. Interstage Transf. (Col. No. A-31105). Shipping weight 3 lbs.  
C2060—  
Your Cost **85¢**  
Push-Pull Input. (Col. No. A-312005). Shipping weight 3 lbs.  
C2061—  
Your Cost **85¢**

### Kolster Double Audio Transformer

For Models K-20, K-21, K-22, K-25

This is the Genuine Kolster Double Audio used in the above model receivers. Also makes a very good general replacement twin audio. Size  $3\frac{1}{2} \times 3\frac{3}{4} \times 2$  shipping weight 3 lbs. Provided with crimping lugs for chassis or subpanel mounting. Shipping weight 4 lbs.  
C2062—Your Cost. **\$1.45**



C2300—  
Your Cost. **49¢**

### P. P. Input Split Secondaries

Similar in appearance to above, except has terminal connections on bottom. A quality p. p. input audio, isolated secondaries. Shipping weight 3 lbs.  
C2389—Your Cost. **\$1.25**

**No Federal Tax To Be Added To Any Of Our Prices.**

### Genuine A. K. Audio Transformers



These Audio Transformers are Genuine Atwater Kent products. All are brand new and guaranteed. This list covers all the models up to 1930. Models 44, 45, 52, 56, 57. 2nd Audio Stage. Part No. 7661. Shipping weight 2 lbs.

C2328—Your Cost Each. **75¢**

Model 43. 1st Audio Stage. Part No. 14016  
C2329—Your Cost Each. **75¢**

Model 43. P. P. Input Transformer. No. 14013.  
C2330—Your Cost Each. **95¢**



For all battery and early electric sets. 1st or 2nd stages. Shipping weight 2 lbs.

C2289—  
Your Cost Each. **75¢**

Models 41, 44, 45, 46, 47, 52, 53, 56, 57. 1st Audio Stage. Part No. 13276.  
C2326—  
Your Cost Each. **75¢**

Models 46, 47 and 53. P. P. Input Transformer.  
C2327—Your Cost Each. **95¢**

### Atwater-Kent Model 67 Audio Transformers



Part No. 14640 This is an exact duplicate of the original A. K. part. Comprises 1st stage audio and push-pull input transformer. Fully shielded in metal case like the original. Color coded leads. No changes necessary to install this unit. Shipping weight 5 lbs.

C2243—  
Your Cost Each. **\$2.95**

### Earl and Freed Audio Transformers



The official audio transformer for Earl Model 41 and Freed Model 95 Receivers. Shipping weight 3 lbs.

C2296—  
Your Cost Each. **\$1.40**

C2297—Push-Pull input for above models. Shipping weight 4 lbs.  
Your Cost Each. **\$1.75**

### Majestic Push-Pull Input



MODELS 70, 71, 72, 90, 91, 92, 100.

Designed according to specifications of the original Majestic part. Fully shielded.

brand new and guaranteed. Shipping weight 4 lbs.

C2109—Your Cost. **90¢**

### Stromberg Carlson Audio Transformer

Models 641, 642, 652, 654, 846, and 848

Made exactly like the original Stromberg-Carlson part. Used in the above sets. Shipping weight 2 lbs.

C2331—  
Your Cost **\$1.85**

### Audio Transformers for Apex Receivers

P. P. input transformer used for replacement in Apex sets. Can also be used in other sets requiring a high quality audio transformer. Available in P. P. input, P. P. output and a tapped choke. Size  $3 \times 1\frac{1}{2} \times 2$ . Mounting centers  $1\frac{1}{4}$ ". Shipping weight 3 lbs.

C2419—P. P. Input **65¢**

C2420—P. P. Output **65¢**

C2421—Tapped Choke **60¢**

### General Motors Model "A" Chassis

P. P. INPUT

Fits the chassis exactly like original. Made expressly for Models, 120, 130, 140, 150 and 160. Shipping weight 3 lbs.

C2298—  
Your Cost **\$1.85**



### Grebe Push-Pull Input Transformer

The ideal Push-Pull Audio Transformer for replacement and general purpose work. Characteristics ideal for public Address Systems and Power Amplifiers. Size,  $3\frac{1}{2} \times 2\frac{3}{4} \times 3\frac{3}{4}$ " high. Mounting centers,  $2\frac{1}{2} \times 1\frac{1}{2}$ ". D. C. resistance, primary, 700 ohms, secondary, 16,000 ohms, total. Shipping weight 3 lbs.



C2299—  
Your Cost. **\$1.20**

### Grebe Audio

Official Grebe Audio transformers for replacement in Grebe sets. Excellent for general replacement and all around use. Size  $2\frac{1}{2} \times 2\frac{3}{4} \times 4$ " tall. Shipping weight 3 lbs.

C2342—  
Your Cost. **85¢**

### Grebe Phono Matching Transformer

Used to match a low impedance magnetic pick-up to any type input of Radio or power amplifier. Single winding, tapped at 150, 300 and 1100 ohms D. C. resistance. Size,  $2\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{4}$ ". Has terminal board that protrudes through sub-panel. Shipping weight 2 lbs.

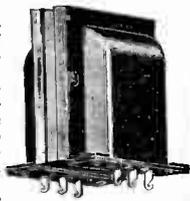
C2237—  
Your Cost. **\$1.35**

### Zenith Push-Pull Inter-Stage Audio

For Models 50, 60 and 70 Series Part No. MS-89

Here is an exact duplicate of the original Zenith Push-Pull Interstage Audio transformer, used in the above series of receivers. Coupling the plates of two '27 type tubes to the grids of '45 tubes. Shipping weight 3 lbs.

C2259—Your Cost **\$2.45**





# Jefferson Transformers



## Class "B" Input Transformer



This was designed as a coupling unit for class "B" amplifiers. The engineering features embodied in the construction of this transformer, as well as the perfect workmanship and highest grade of materials used, enable us to produce a unit truly conforming to the requirements to provide a reserve power for an extended range of volume. This input transformer has a flat response curve over the entire musical range, as well as windings of ample capacity to handle the maximum output of the amplifier. Has tapped primary and secondary windings making it adaptable for coupling either one '46 driver to two '46's in push-pull, or for coupling two '27 push-pull tubes to two '46 push pull tubes. Housed in an attractive black enameled case, fully shielded, with lugs on the side mounted on bakelite panel. Complete instructions and wiring diagram accompany each unit. Size 3 1/2" high; 2 1/2" wide; 2 1/8" deep. Shipping weight 2 1/2 lbs.

**C1916—List \$6.25—Your Cost. \$3.55**

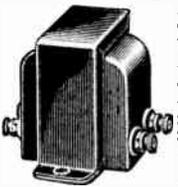
## Class "B" General Purpose Filter Choke



Designed and recommended for use as a general purpose filter choke, but is also particularly applicable as a second section class "B" amplifier choke. The best grade wire is used for this choke and the core is of the finest steel. It has the same general construction as that of the input choke listed here. Resistance 190 ohms; nominal inductance 10 henries, 150 M. A. Sturdy and of generous proportions, with windings completely shielded. Lugs on side on bakelite panel. Size 3 1/8" high; 2 1/8" wide; 3" deep. Shipping weight 2 1/2 lbs.

**C1917 List \$3.20 Your Cost \$1.82**

## Microphone Transformer Single Button



A compact, inexpensive coupling transformer. Completely shielded. Black enameled case with binding posts at side. Turn ratio: 1 to 64. Impedance ratio 1 to 4000. Size 2 3/4" x 2 3/8" x 2 3/8". Shipping weight 1 lb.

**C1928—List \$2.20 Your Cost \$1.20**

Transformer for double button microphone. Turn ratio: 1 to 45. Impedance ratio 1 to 2000. Has flat response curve from 30 to 7000 cycles. Size 3 1/4" x 2 1/8" x 3 1/4". Shipping weight 2 1/2 lbs.

**List \$3.75 C1929—Your Cost \$1.95**

## Phono. Pick-up Transformer

Designed to couple low impedance pick-up to grid of tube. Completely shielded windings and core in enameled case. Ratio: 1 to 30. Size 2 3/8" x 2 3/8" x 2 1/8". Shipping weight 1 lb.

**C1927—List \$2.20 Your Cost \$1.18**

## Jefferson Universal Tapped Audio

Here is a transformer that can be used for either a straight or push-pull audio stage, for use with all types of tubes. Primary, 900 ohms; Secondary, 3000 ohms total. Shipping weight 2 lbs. Size 1 3/4" x 2 3/4" x 2".



**C1906—Your Cost. 98¢**

## Universal Tapped Output

Engineering ingenuity has endowed this new tapped output transformer with features insuring flexibility beyond the average conception. It can be used for coupling any combination of tubes: 171, 245, or the new 247 pentode, single or push-pull to any dynamic or magnetic speaker. Full instructions furnished. Size 2 1/2" x 1 3/4" x 2". Shipping weight 2 lbs.

**C1907—Your Cost. 98¢**

## Class "B" Filament Transformer



This unit was developed to supply the demand for a filament transformer to be used with a plate supply transformer especially designed for class "B" amplifiers. Has a filament winding for '82 mercury type rectifier, one '46 driver and two '46 push-pull amplifiers. The unit also has an additional winding with sufficient capacity to take care of eight 1 1/4 amp. heater filaments, or fourteen 1 amp. heater filaments. Has black enameled housing, completely shielded. Lugs are mounted on a bakelite panel on side of transformer. Full instructions and diagram enclosed with each unit. Size 4 1/2" high; 3 1/2" wide; 3 1/4" deep. Shipping weight 4 1/2 lbs.

**C1918—List \$6.95—Your Cost. \$3.95**

## Class "B" Input Filter Choke

This choke is designed for use with the Jefferson filament and plate supply transformers listed on this page. Especially adaptable as choke input for class "B" amplifiers, as it aids materially in maintaining the close regulation desirable for this type amplifier. As is the rule with this high grade of products, only the best materials are used, and utmost care exercised in its assembly. Resistance 190 ohms; 10 H. Capacity of winding 150 M. A. Sturdy and of generous proportions, with windings completely shielded, and lugs brought out of side and mounted on bakelite panel. Size 3 1/8" high; 2 1/8" wide; 3" deep. Shipping weight 2 1/2 lbs.

**C1919—List \$3.20—Your Cost. \$1.82**

Each Jefferson class "B" transformer comes complete with diagram showing terminals and the method of connecting same to circuit.



## Class "B" Output Transformer



This output transformer was developed for use in new push-pull amplifier circuits. Highest grade silicon steel is used for the laminations, the core being so designed as to make for an even distribution of flux. Coils are made of the finest grade wire, specially wound to insure accuracy and uniformity, and are thoroughly impregnated. Has tapped primary and secondary windings suitable for coupling two '46 tubes to various types of speakers, or speaker combinations having voice coil resistances of 1, 3, 6 and 10 ohms. Size 3 1/2" high; 2 1/2" wide; 2 3/8" deep. Shipping weight 2 1/2 lbs.

**C1915—List \$6.25—Your Cost. \$3.55**

## Class "B" Plate Transformer

This transformer was designed primarily for use with the new '82 mercury type rectifier to supply the required plate voltage for class "B" amplifiers. It has sufficient voltage when operated in conjunction with the input filter choke to work the 246 push-pull amplifier at its maximum output, and in addition to this it has the capacity to supply high voltage current for the average ten tube set. It is generously designed and has permanently contained good regulation. Is completely shielded in a steel case, with black enamel finish. All connections are brought out to lugs on the side of housing, and are mounted on a neat bakelite panel on front of the transformer. Only the highest grade of materials and finest workmanship are used in the construction of this transformer. There are complete instructions and wiring diagrams furnished. Size 4 1/2" high; 3 1/4" wide; 3 3/4" deep. Shipping weight 5 1/2 lbs.

**C1920—List \$8.75—Your Cost \$4.98**



## Shielded Universal Output Transformer



This unit is recommended for use with Nos. '12, '71, '31, '33, '38, '45, '47 or '50 type tubes, single or push-pull with any present day dynamic speakers. Also has Secondary (insulated from Primary) for magnetic speaker. Windings are sealed

in the case, guarding against damage caused by moisture. Lugs provide convenient primary and secondary connections. Size 3 1/8" high; 2 1/8" wide; 3 1/4" deep. Mounting Centers 2" x 2 1/8". Shipping weight 2 1/2 lbs.

**C1926—List \$5.00 Your Cost. \$2.75**

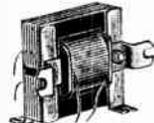
## New Star Sealed Tapped Input

Sealed in the case to prevent open circuits from moisture this unit is an outstanding example of a low-priced, yet high quality product. The coils are machine wound to insure accuracy and uniformity. The finest rolled high silicon steel is used for the laminated core, which is so designed and assembled as to insure even distribution of flux through the entire circuit. Assembled in black enameled sheet steel cases and has nickelled binding posts. Windings are completely shielded and clearly marked. Ratio: 1 to 3. Size 2 3/8" high, 2 3/8" wide, 2 7/8" deep. Shipping weight 1 lb.

**C1925—List \$2.50 Your Cost. \$1.15**



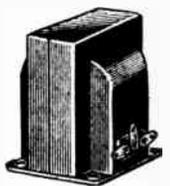
## Jefferson Replacement Audio



This is the Jefferson Universal compact audio transformer, ideal for replacement in receivers where space is limited. It has two sets of brackets for either horizontal or vertical mounting. Primary, 500 ohms; Secondary, 1000 ohms. For single audio stage. Size 1 3/8" x 2 3/8" x 2 1/8". Shipping weight 2 lbs.

**C1905—Your Cost. 68¢**

## Jefferson Concertone Audios



### Bottom Lugs—Side Lugs

Jefferson concertone sealed transformers are designed to amplify, evenly and uniformly, all notes within the musical scale on either A. C. or D. C. receivers. Their use in audio circuits give increased sensitivity, greater distance, and insures a good volume of clear, pure and undistorted reproduction of programs, with all the vital harmonics and rich overtones so essential to true tonal quality. Heavily insulated throughout, safe for use with power tubes, assembled and sealed into a beautifully black enameled metal case. The primary impedance is extremely high and exactly correct for A. C. tubes.

**Push-pull Input, lugs on bottom, for use with 171-A, 245, 247, 250, 231, 233, 238 and 210 tubes. Primary, 1500 ohms, and Secondary, 7000 ohms, total. \$1.40 C1900—Your Cost.**

**Push-pull Input, lugs on side, same characteristics as above. \$1.75 C1901—Your Cost.**

**Push-pull Input, lugs on bottom, has a ratio of 35 to 1, for use with 171-A, 231, 245, 250 tubes. Primary, 300 ohms total, Output to a 10 ohm Voice coil of a Dynamic Speaker. \$1.45 C1902—Your Cost.**

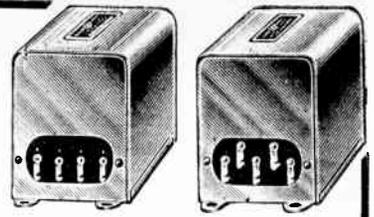
**Push-pull Output, lugs on side, same characteristics as above. \$1.45 C1903—Your Cost.**

**Push-pull Output, lugs on bottom, for Pentode output only. Primary, 600 ohms; Secondary, 10 ohms, to Voice coil of a Dynamic Speaker. \$1.65 C1904—Your Cost.**

Average shipping weight 3 lbs.

Replacement Part Headquarters for Dealers and Service Men

# KENYON AUDIOS



The ideal audio transformer possesses four important characteristics: uniform response, high efficiency, low wave-form distortion and reliability. These points are inherent in Kenyon units plus a fifth, minimum inductive and

electro-static pick-up. The cases have a silver finish which adds to the professional appearance of an amplifier or an aluminum or cadmium plated base.

Stock No.	Description	List Price	Your Price
P-15800	Input; 1 plate to 1 grid. 3:1 ratio.	\$4.50	\$2.70
P-15801	Input; 1 plate to 2 grids in P-P. 2:1 ratio each side.	5.00	3.00
P-15802	Input; universal line to 1 grid.	5.50	3.30
P-15803	Mixing universal line to universal line.	5.50	3.30
P-15804	Output detector plate to universal line.	5.50	3.30
P-15805	Input; two windings on primary, one for detector plate or high impedance pickup to 1 grid, another for double button mike or low impedance pickup to 1 grid.	5.50	3.30
P-15806	2 plates to 2 grids. 1.75 to 1 ratio each side.	6.00	3.60
P-15807	Output; P-P '45s to 500 and 15 ohm line, tapped at 8 and 4 ohms.	5.50	3.30
P-15808	Output; P-P '50s or triple twin to 500 and 15 ohm line tapped at 8 and 4 ohms.	6.50	3.90
P-15809	Output; 1 '50, '45 or triple twin to 15 ohms tapped for 8 and 4 ohms.	5.50	3.30
P-15810	Output; P-P WE 252 A's to 500 ohm line and a 15 ohm line tapped at 8 and 4 ohms.	10.00	6.00
P-15811	Output; '47 to 15 ohm voice coil, tapped at 8 and 4 ohms.	5.00	3.00
P-15812	Output; P-P 47's to 500 and 15 ohm line, tapped at 8 and 4 ohms.	5.50	3.30
P-15813	Output; P-P 48 plates to 500 and 15 ohm line, tapped at 8 and 4 ohms.	6.50	3.90
P-15814	Output; P-P 38's to 15 ohm line tapped at 8 and 4 ohms.	6.00	3.60
P-15815	Prime A output; P-P '45s to 500 and 15 ohm line, tapped at 8 and 4 ohms.	7.50	4.50
P-15816	Driver input; 1-89 plate to 2-89 grids Class B.	6.00	3.60
P-15817	Driver input; 1-245 plate to 2-245 or 250's grids in A Prime amplification.	6.00	3.60
P-15818	Driver input; 1-46 plate to 2-46 grids Class B.	6.00	3.60
P-15819	Driver input; 1-59 plate to 2-59 grids Class B.	6.00	3.60
P-15820	Driver input; P-P '45s to 2-210 grids Class B.	6.00	3.60
P-15821	Driver input; P-P '50s to 203A grids Class B.	7.50	4.50
P-15822	Class B output; P-P 59 plates to 500 and 15 ohm line, tapped at 8 and 4 ohms.	6.00	3.60
P-15823	Class B output; P-P 89 plates to 15 ohm line, tapped at 8 and 4 ohms.	6.00	3.60
P-15824	Class B output; P-P 46 plates to 500 and 15 ohm line, tapped at 8 and 4 ohms.	6.00	3.60
P-15825	Class B output; P-P 46 plates to R. F. modulator. Sec. 4000 ohms.	6.50	3.90
P-15826	Class B output; P-P 59 plates to R. F. modulator. High imp. sec.	6.50	3.90

Stock No.	Description	List Price	Your Price
P-15827	Class B output; P-P 210 plates to R. F. modulator. High imp. sec.	7.50	4.50
P-15828	Class B output; P-P 203 A plates to a 2500 ohm load.	15.00	9.00
P-15829	Audio line matching transformer. Handle up to 20 watts. Input 500 ohms. Output 2, 4, 8, 15 ohms.	8.00	4.80
P-15830	Power transformer; P-P 245 or 247 amp. and tuner. Pri. 115 volts 60 cycles A. C. Sec.: 375-0-375 at 100 M. A., 5 volts at 2 amps., 2½ volts C. T. at 3 amps., 2½ volts C. T. at 10 amps.	7.50	4.50
P-15831	Class B Power Trans.; P-P 46 amp. and tuner. Pri. 115 A. C. 60 cycles. Sec. 570-0-570 at 150 M. A., 2½ volts C. T. at 3 amps., 2½ volts C. T. at 10 amps.	10.00	6.00
P-15832	Class B Power Trans.; P-P 59 amp. and tuner. Pri. 115 A. C. 60 cycles. Sec. 570-0-570 at 165 M. A., 2½ volts C. T. for two 59 filaments. 5 volts, 3 amps. for 83 rectifier 2½ volts C. T. at 10 amps. for amp. or tuner.	12.00	7.20
P-15833	Power Trans.; P-P 250 amp. and tuner. Pri. 115 volts 60 cycles A. C. Sec. 600-0-600 at 150 M. A., 2-7½ volts C. T. 3 amp. windings, one 2½ volt 10 amp. winding.	10.00	6.00
P-15834	Plate and fil. supply for transmitter using 250 or 210 tubes. 2-7½ volt C. T. 3 amp. windings for 2-281's and 2-250's or 2-210's. 1-2½ volt C. T. winding 10 amps. High voltage 1500 C. T.	12.00	7.20
P-15835	Filament trans. Sec. 2½ volt C. T. 10 amp. 2000 volt insulation.	5.00	3.00
P-15836	Filter choke 15 Henries, Max. D. C. 150 M. A. D. C. resistance 210 ohms.	4.00	2.40
P-15837	Class B input filter choke. D. C. resistance 110 ohms.	4.00	2.40
P-15838	Filter choke 10 Henries, Max. D. C. 200 M. A. D. C. resistance 100 ohms.	4.00	2.40
P-15839	Filter choke 30 Henries, Max. D. C. 90 M. A. D. C. resistance 350 ohms.	3.50	2.10
P-15840	Audio parallel feed choke, 250 Henries, Max. 15 M. A. D. C. resistance 4700 ohms.	4.50	2.70

# AMERTRAN AUDIOS AND CHOKES

## Audios and Inputs

- AUDIO**, either stage, ratio 3½:1 AF-8  
A325—Type 2  
List \$5.00—Your Cost..... **\$2.94**
- 1st STAGE AUDIO**, De Luxe, Ratio 3:1  
A326—Type 1  
List \$8.00—Your Cost..... **\$4.71**
- 2nd STAGE AUDIO**, De Luxe, ratio 4:1  
A327—Type 1  
List \$8.00—Your Cost..... **\$4.71**
- PUSH-PULL INTER-STAGE**, Ratio 1.75:1  
A328—Type 3—No. 710  
List \$20.00—Your Cost..... **\$11.56**
- PUSH-PULL INPUT**, Ratio 2½:1. No. 151.  
A329—Type 1  
List \$12.00—Your Cost..... **\$7.06**

## Outputs

- PUSH-PULL 210, OUTPUT**, to 10-15 ohm voice coil of dynamic speaker. No. 200.  
A330—Type 1  
List \$12.00—Your Cost..... **\$7.06**
- PUSH-PULL 245 or 171 OUTPUT**, to 10-15 ohm voice coil of dynamic speaker. No. 443.  
A331—Type 1  
List \$12.00—Your Cost..... **\$7.06**
- PUSH-PULL PENTODES OUTPUT**, to a 10-15 ohms voice coil of dynamic speaker.  
A332—Type 1—No. 6200  
List \$15.00—Your Cost..... **\$8.82**



Amertran Audio-Frequency Transformers have long been considered the "Standard of Excellence" by leading radio engineers and the world's best musicians. Second in importance only to the electrical perfection of these transformers is the fact that their construction assures a long useful life. A large percentage of failures in audio frequency transformers is traceable to moisture entering the windings either while in service or during the process of manufacture, and subsequently becoming the cause of disintegration as a result of electrolysis after D. C. plate current has passed through the primary winding for a period of time. In the manufacture of Amertran transformers all moisture is thoroughly removed from the windings before they are sealed in the case with a special moisture-proof insulating compound. As a result the finished product is practically hermetically sealed and is protected against even the corrosive and electrolytic action of moist salt air in tropical climates.

## Phono. Pick-up Transformers

- 5000-6000-, or 8000 ohm pickup to 1st stage De Luxe. No. 389.  
A333—Type 1  
List \$8.00—Your Cost..... **\$4.71**
- 500-1000-, or 2000 ohm pickup to grid of tube. No. 406-A.  
A334—Type 1  
List \$15.00—Your Cost..... **\$8.62**

## Tube-To-Line Transformers

- Two 250- or 245 type tubes to 200 ohm line or 1-9 15 ohm dynamic speakers in series parallel. No. 678.  
A335—Type 3  
List \$22.00—Your Cost..... **\$12.74**
- Two 250- or 245 type tubes to 500 ohm line. 15 ohm monitor winding. No. 3332.  
A336—Type 3  
List \$22.00—Your Cost..... **\$12.74**
- Two 210- or 112 type tubes to 500 ohm line. 15 ohm monitor winding. No. 3540.  
A337—Type 3  
List \$22.00—Your Cost..... **\$12.74**

## Filter Chokes and Reactors

- 10 Henries, 160 M. A., D. C. resistance 105 ohms. No. 4724.  
A338—List \$8.00—Your Cost..... **\$4.71**
- 15 Henries, 120 M. A., D. C. resistance 210 ohms. No. 709.  
A339—List \$8.00—Your Cost..... **\$4.71**
- 40 Henries, 60 M. A., D. C. resistance 625 ohms. No. 854.  
A340—List \$8.00—Your Cost..... **\$4.71**

# Audio Transformers and Chokes



## Sangamo Audios Push-pull Input

Sangamo Audio Transformers are well known to leading Radio engineers and the world's best musicians. The entire frequency range is covered by use of these transformers. Primary, 2000 ohms; secondary, 8000 ohms. Size 3x2 1/4 x 2". Mounting centers 3 1/4". Shipping weight 3 lbs. **C2396—Your Cost**..... **85¢**

### Push-pull Output 247 to Dynamic Speaker

Identical in appearance to above. Output impedance matches 8-15 ohm voice dynamic speaker. **C2397—Your Cost**..... **59¢**

### Push-pull Output 245 to Dynamic Speaker

Identical in appearance to above. Output impedance matches 8-15 ohm voice dynamic speaker. **C2398—Your Cost**..... **59¢**

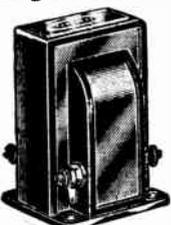
## Shielded Pacent Push-pull Input Transformer



Fully shielded and protected against climatic conditions. Primary D. C. resistance 1800 ohms, secondary D. C. resistance 13,000 ohms. Noted for its high amplification without distortion. Suitable for high power amplifiers. Pleasing Overall size 3 1/4 x 2 1/4 x 2 1/4".

black lacquer finish. Shipping weight 4 lbs. **C2247—Your Cost**..... **\$1.05**

## Rauland Laboratory R-500 Audio Transformer

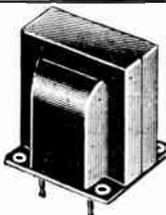


The high amplification combined with exceptionally uniform response throughout the entire audio-frequency band (30 to 10000 cycles makes this a high class audio for all types of amplification. Ratio 3 1/2 to 1. Primary, 1800 ohms; secondary, 8000 ohms. Size 2 1/2 x 2 1/4 x 3 3/4" high. Mounting centers, 2x2". Shipping weight 4 lbs.

**C2265—List Price** \$9.00. **Your Cost, Special**..... **95¢**

## Filter Choke 30 H.—100 MA.

A quality filter choke, having an inductance of 30 henry at 100 M. A. D. C. resistance of 375 ohms. Ideal for all types of circuits requiring a high quality filter choke. Its low D. C. resistance makes it a popular unit for set builders and for replacement purposes. Size 3x2 1/2 x 2 1/4". Shipping weight 4 lbs. **C1569—Your Cost**..... **95¢**



## Rauland R-14 Audio Transformer

That burnt-out transformer in your commercial set affords an opportunity to improve radio results—replace with Rauland R-14. Ratio 3:1. Primary, 1200 ohms; Secondary, 8000 ohms D. C. resistance. Size 2 1/2 x 2 1/4 x 2 1/4".

**C2266—Shipping weight 4 lbs. Your Cost**..... **50¢**

## General Purpose Replacement Audio Transformers

This compact and efficient transformer makes an ideal unit for replacement of burned out or obsolete transformers in battery and electric sets, and especially so where space is at a premium. It can also be mounted upright or horizontal as conditions call for. Can be used in the first or second audio stage, and with all types of tubes, possessing a high quality of performance. Has a good response over the audio range of frequencies, with a corresponding amplification. It is completely housed in an attractive enamel metal casing, fully shielded, with soldering lugs terminating on a bakelite strip. Size 3x1 1/2 x 1 1/4". Shipping weight 2 lbs. **C2348—Your Cost Each**..... **39¢**



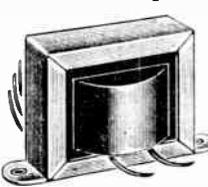
## DeLuxe Audio Transformer Ratio 3 1/2 to 1

One of the finest Audio Transformers made. Can be used in the first and second Audio stage. Sealed in an oval case, made of the finest aluminum. To be mounted inverted, leads connected through bottom of chassis. Mounting is made by use of two 1/2" screw lugs attached to case. Size, 1 3/4 x 2 1/4 x 2 1/4" high. Primary, 1200 ohms; Secondary, 7000 ohms D. C. resistance. Shipping weight 2 lbs. **C1908—Your Cost Special**..... **39¢**



In Lots of Ten **Each**..... **35¢**

## Push-pull Input Audio Isolated Split-Secondaries



Just the transformer for D. C. receivers and Triple-Grid Amplifiers. Primary 900 ohms D.C. resistance, Secondary, 2500 ohms D. C. resistance each section. Open frame strap mounting type. Size 2 1/2 x 2 x 1 1/4".

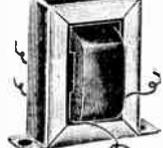
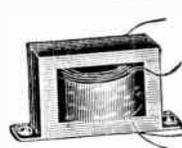
Shipping weight 1 1/2 lbs. **C2337—Your Cost Each**..... **\$1.25**

## Heavy Duty Filter Choke

Heavy Duty Filter Choke that has an inductance of 30 henry, at approximately 150 mils. D. C. resistance of 700 ohms. For use in a filter circuit for power packs—and power amplifiers. Size 3x3x2 1/4". Shipping weight 5 lbs. **C1572—Your Cost**..... **95¢**



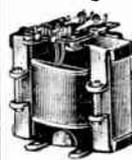
## Special Audio Transformers



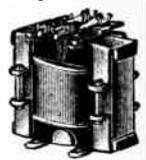
The same quality Audio Transformer as the Large Rauland Laboratory Grade, R-500. Open Frame strap mounted, finished in cadmium plating. Can be used as 1st or 2nd straight Audio Stage. For use with all types of tubes. Available in either upright or horizontal type. Size overall 2 1/4 x 2 3/4 x 3 3/8". Shipping weight 3 lbs.

**Upright Type Mounting C2334—Horizontal Type Mounting C2335—Your Cost, Either Type**..... **45¢**

## Kellogg Matched P.P. Input and Output



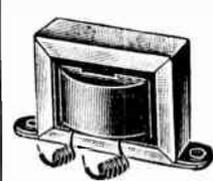
For Voice Coil



To greatly improve the tone quality and volume of your radio, install a pair of these Genuine Kellogg Matched P.P. input and output audio transformers. Laboratory matched to insure perfect audio balance throughout the entire frequency range. **Nothing better for Public Address Systems and Power Amplifiers.** A very fortunate purchase enables us to sell these below actual production cost, but our **QUANTITY IS LIMITED**, and no more can be had at this price. Size 3 1/4 x 2 1/4 x 3 1/4". Shipping weight, pair, 6 lbs. **C2332—Your Cost Per Pair**..... **\$1.29**

**P.P. INPUT C2333—Your Cost**..... **85¢**  
**P.P. OUTPUT C2339—Your Cost**..... **55¢**

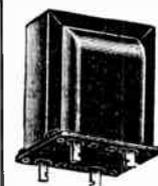
## Pentode Output Transformer to a Magnetic Speaker



Specially designed to couple a single pentode power tube to the high impedance magnetic speaker. Open frame strap mounting type. Size 2 1/4 x 2 1/4 x 1 1/4". Shipping weight 1 lb.

**C2344—Your Cost**..... **\$1.10**

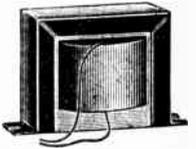
## Thordarson 1:1 Transformer



For use as an output transformer for magnetic speakers or in the last audio stage of an amplifier. Silicon steel core. Black enamel steel case. Size 2 1/2 x 2 1/4 x 3" high. Mounting holes 2 1/4" center to center. Shipping weight 3 lbs. **C2303—Your Cost**..... **59¢**

## Trutest Heavy Duty Choke

30 H. 125 M. A.



A choke that is rated at its true inductance value. Ideal for replacement and new set builders. A finished product. Its low D. C. resistance of 180 ohms makes it an ideal filter choke. Size 3x2x2 1/4" high. Mounting centers 3 1/2". Shipping weight 4 1/2 lbs. **C1570—Your Cost**..... **85¢**

## General Radio Audios

Types 285-H, 285-D

The Audio Transformers for the present day electric receiver as well as the early battery sets. Tone Quality beyond comparison, that is General Radio Audios. Type 285-H, high amplification, ratio 6 to 1. Type 285-D, ratio 3 to 1. They maintain a general uniform response throughout the audio frequency band, with increased volume, and are for all types of tubes. The 6 to 1 ratio especially adaptable for short wave work using single audio stage. Laminations and windings of the highest grade materials. Fully shielded. Size 3 1/2 x 3 1/4 x 2 1/4". Mounting holes 2 1/4". Shipping weight 3 lbs. **C1710—Type 285-H. C1711—Type 285-D. Either Type**..... **\$1.20**



**We Will Not Knowingly Be Undersold**

# THORDARSON Audios and Chokes

## AUDIO TRANSFORMERS R-100 Audio



The ideal replacement for that burned-out or obsolete audio transformer. The R-100 possesses the same high quality of performance that characterizes all Thordarson Audio Transformers, Ratio 3½ to 1. Size, 2-7/16x1½x2 inches high. Shpg. Wt., 2 lbs. **\$1.03**  
4A213—Your Cost

## R-103 Audio

Similar in appearance as above R-100, also made for replacement purposes. An audio coupling transformer of higher quality at a small increase in price. Size, 1½x2½x¾ inches. Shpg. Wt., 3 lbs. **\$1.18**  
4A240—Your Cost

## R-200 Audio

The special core material of this transformer (Thordarson DX Metal) has a permeability 50% greater than that of the finest grade silicon steel formerly employed and increases the transformer inductance correspondingly. An ideal replacement Audio transformer of the finished construction. Ratio 3 to 1. Size, 2-13/16x2x2-7/16 in. Shpg. Wt., 3 lbs. **\$1.25**  
4A214—Your Cost, only



## R-300 Audio

Similar in appearance to above. Supreme in musical performance, brings a greater realism to radio reproduction. The amplification range has been extended still farther into the lower register, so that even the deepest tones now may be reproduced with amazing fidelity. Same size and shpg. wt. as R-200. **\$2.35**  
4A239—List \$5.00. Your Cost

## R-400 Audio

Similar in appearance to above. The amplification curve of this transformer is practically a straight line from 30 to 8,000 cycles. Suitable for either a first stage or input stage. Ratio 3 to 1. Size, 2½x2½x3 in. high. Shpg. Wt. 4 lbs. **\$2.35**  
4A215—List \$5.00. Your Cost

## FILTER CHOKES

### 30 Henry—50 Mils. T-1892-A

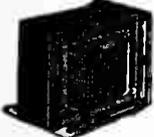
Open frame type choke. Designed to filter a current of 50 mls. Inductance of 30 henrys, 450 ohms d.c. resistance. Ideal for midrange receivers. 6 inch leads. Size, 2½x1¾x2½ in. high. Mounting centers, 3½ in. Shpg. Wt. 3 lbs. **65¢**  
2A246—Your Cost

### 30 Henry—85 Mils. R-196

A fully shielded and finished product by Thordarson. D.C. resistance of 360 ohms. For filter circuits and speaker output coupling. Size, 2½x2½x3 in. high. Shpg. Wt. 4 lbs. **\$1.76**  
4A242—Your Cost



## R-105 SPEAKER OUTPUT CHOKE



A high quality output choke designed to couple a pair of '71 or '45 type tubes to a high impedance speaker or to the primary of the output transformer in the dynamic speaker. Size, 1½x2x2½ in. Shpg. Wt. 3 lbs. **\$1.03**  
4A241—Your Cost

## PUSH-PULL INPUTS R-101



A high quality push-pull input transformer for all types of servicing and re-conditioning. Has an unusually uniform response over the effective range of audio frequencies. Universal mounting brackets make it adaptable for all Size, 1½x2x2½ in. Shpg. **\$1.32**  
4A216—List \$2.25. Your Cost

## P. P. INTER-STAGE AUDIO T-2973

A special audio transformer to couple two stages of Push-pull amplification. Especially applicable for use in power amplifiers for public address work to prevent tube distortion in the first stages of the audio amplifier. Ideal for use with Type '45, '47 and '50 power tubes in the output stage. Size, 3½x3x3¾ in. high. Shpg. Wt. 5 lbs. **\$4.12**  
2A212—Your Cost



## T-4304 PUSH-PULL INPUT

A transformer serving the same purpose as type T-2408 but possessing a ratio of 2 to 1. May be used following a screen grid power detector having parallel plate feed. Built primarily for use with 210, 245, 247 and 250 types of power tubes in the push-pull stage. Size, 3½x3x3¾ in. high. Shpg. Wt. 5 lbs. **\$2.66**  
4A243—List \$4.50. Your Cost

## T-2408 PUSH-PULL INPUT

Designed to couple a stage of straight audio amplification into a stage of power push-pull using any of the existing types of power amplifying tubes. Ratio 1-1. Size, 2½x2½x3 in. high. Shpg. Wt. 4 lbs. **\$2.35**  
4A217—List \$4.00. Your Cost



## THORDARSON FILAMENT TRANSFORMERS



These Thordarson Filament Transformers are made of the finest material that is obtainable and are fully shielded and guaranteed against breakdowns. Supplied with 5-foot lamp cord and AC plug.

## T-2445

Supplies: 1½ volts for 4-26s; 2.5 volts for 2-27; 5 volts for 2-71As. Size, 2½x5½x4¾ in. high. Shpg. Wt., 7 lbs. **\$2.66**  
4A300—List \$4.50. Your Cost

## T-3081

Supplies: 1.25 volts at 3 amperes, 2.5 volts at 3½ amperes. For small sets and amplifiers. Size, 2½x3x3¾ in. high. Shpg. Wt., 4 lbs. **\$2.36**  
4A301—List \$4.00. Your Cost

## T-2504

A special filament supply for Kellogg or other similar 3 volt heater type tubes. 3 volts at 10 amperes. Size, 3½x3x3¾ in. high. Shpg. Wt., 5 lbs. **\$2.36**  
4A302—List \$4.00. Your Cost

## T-2610

A special filament supply for Arcturus or other similar 15 volt filament tubes. 15 volts at 2½ amperes. c.t. for 8 tubes. Size, 3½x3x3¾ in. high. Shpg. Wt., 5 lbs. **\$2.36**  
4A303—List \$4.00. Your Cost

## PUSH-PULL OUTPUTS T-2629



A special push-pull output transformer designed to couple the output of a 210 or 245 push-pull stage into a dynamic speaker. This Transformer replaces the one in the base of the speaker. Secondary connects directly to the moving coil having a d.c. resistance between 4 and 8 ohms. Primary 1200 ohms. Size, 3½x3x3¾ ins. Shpg. Wt., 5 lbs. **\$2.35**  
4A218—List \$4.00. Your Cost

## T-2903 PUSH-PULL OUTPUT

Similar in appearance to above. Designed to couple the output of two 250 type tubes into a dynamic speaker. The secondary of this transformer connects directly into the moving coil of the dynamic unit. It is conservatively rated to carry the high output current and voltage of power amplifiers of this type. Size, 3½x3x3¾ in. high. Shpg. Wt., 5 lbs. **\$2.35**  
4A238—List \$4.00. Your Cost

## PENTODE OUTPUT T-4843

Designed for use with Single Pentode output to the moving voice coil of a dynamic speaker, having a d.c. resistance between 4 and 8 ohms. Turn ratio 30 to 1. Impedance ratio 932 to 1. Size, 2½x2½x3 in. high. Shpg. Wt. 4 lbs. **\$1.76**  
4A219—List \$3.00. Your Cost



## P.P. PENTODE OUTPUT T-4831

Identical to above transformer, except for push-pull pentodes in the output stage to the moving voice coil of a dynamic speaker, having a d.c. resistance between 4 and 8 ohms. Turn ratio 38 to 1. Impedance of 1444 to 1. Same size and shipping weight as above. **\$2.06**  
4A220—List \$3.50. Your Cost

## COUPLING TRANSFORMERS FOR '10 TYPE TUBES FOR CLASS "B" OR PUSH-PULL



### INPUT

Thordarson has developed a pair of transformers for the new system of amplification known as Class "B" or "Push-pull" circuit. It is possible, with this system, to obtain great amounts of power output from comparatively small tubes. This system has been applied in some of the later models of battery receiving sets. It has been applied in speech amplifiers and the latest application is its use in Modulators in amateur sending stations. The Input Transformer, couples a pair of '45 tubes in Push-pull to a pair of '10 tubes in Push-pull. The Output Transformer is arranged to couple a pair of '10 tubes in Push-pull to the oscillator tubes in the transmitter. The Secondary winding is arranged so that it may be coupled either to a single '10 oscillator, two '10 oscillators in Push-pull or two '10s in parallel. Circuit diagram, including power supply is available with each pair of these transformers. The input transformer size is 3½x3¾x3½ in. Output size, 3¾x4x4 in. Shpg. Wt. each 5 lbs.



### OUTPUT

## Input Transformer T-5100

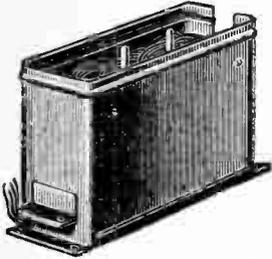
2A244—List \$7.50 **\$4.41**  
Your Cost

## Output Transformer T-5101

2A245—List \$10.00 **\$5.88**  
Your Cost

# ATWATER-KENT and MAJESTIC REPLACEMENTS

## Atwater-Kent Power Units



These are the first high quality Replacement Power Packs to be offered for Atwater-Kent receivers. Heretofore servicemen have had to accept makeshift packs assembled from reclaimed and surplus material, which naturally gave poor and short lived service. By contracting for a large quantity of these units we were able to get packs made up from brand new first quality materials that were made especially for the purpose. They are equal or superior to the original units. Color coded exactly like the originals. Planograph of hook-up furnished with each unit.

### For Models 40, 56 and 57

Shipping weight 17 lbs. **\$4.95**  
B1381—Your Cost.....

### For Models 42, 44, 45 and 52

Shipping weight 17 lbs. **\$4.95**  
B1376—Your Cost.....

### For Models 43, 46, 47 and 53

Shipping weight 19 lbs. **\$7.50**  
B1375—Your Cost.....

# CONDENSER BLOCKS



## Trutest

For **A.K. 37 and 38**

**\$1.85**



These blocks, built to the exact specifications of the originals contain filter condenser block and 3 chokes, two high voltage filter chokes and one speaker choke. By placing an order for a huge quantity of these units we are in a position to bring the Serviceman a thoroughly reliable unit for about the same price others are asking for surplus and deteriorated materials. These are brand new and Guaranteed. Why take a chance with others? Shipping weight 7 lbs.

B1378—Your Cost Each **\$1.85**

### Genuine Replacements

55F and 55FC, 3rd type 60C. (5 Taps). Part No. 14320. Condenser Code 1-A-5. **B1367—Your Cost \$2.90**

Model 66. Part No. 14840. Condenser Code E-1.

**B1366—Your Cost \$2.90**  
Model 70 (L Chassis). Part No. K5480. Code 1-E-3 (5 Taps).

**B1365—Your Cost \$2.90**  
Shipping weight 5 lbs.

### Genuine Atwater-Kent Condensers For Model 45

A. K. Part No. 14247, Condenser Block. Shipping weight 4 lbs.

**B1370—Your Cost \$1.95**



### Condenser For Model 36 "Y" Power Unit

These condenser blocks are the Genuine Atwater-Kent replacement used in the Model 36, "Y" Power Unit. All

brand new and in perfect condition. Shipping weight 7 lbs.

**B1380—SETS HAVING SERIAL NUMBER BELOW 260,000**

**B1382—SETS HAVING SERIAL NUMBER ABOVE 260,000**

Your Cost either Type **49¢**

# Trutest Majestic Blocks

## For "B" Eliminators



### Replacement Blocks for Majestic 7BP6, 8BP6, 9BP6 and "A" Eliminators

These TRUTEST Replacement Block models produce a lasting and satisfactory job—that you will be proud of. Built especially for us, to our own high standards of excellence, from the best quality brand new materials. They are exact duplicates of the originals in every detail. It is very important for the serviceman to get blocks which are guaranteed as to materials and workmanship. Other Houses are listing blocks for the Majestic models with "250" tubes at the same price they are asking for "171" and "245" units, but we have investigated them and all that we have tested contain 400 volt condensers which can not possibly stand up under the higher plate voltage of "250" tubes. These units are guaranteed new, perfect, and built to exact specifications. The Standard TRUTEST Replacement Block for the "250" Pack contains two 2 mfd. 1000 volt units; one 3 mfd. 600 volt unit and two 1 mfd. 600 volt condensers, which is in accordance with the Majestic requirements, so that you can buy these TRUTEST blocks with confidence and assured satisfaction. These can be also used for sets, packs and eliminators requiring a condenser block of these specifications.

### For Majestic 7BP6 (Sets with 171 Type Tubes)

Size 8 3/4 x 2 1/2 x 4 1/2". Shipping weight 6 lbs. **B1070—Your Cost Each \$1.95**

### For Majestic 9BP6 (Sets with 245 Type Tubes)

Size 8 3/4 x 2 1/2 x 4 1/2". Shipping weight 4 lbs. **B1067—Your Cost Each \$1.95**

### For Majestic 8BP6 (Sets with 250 Type Tubes)

1000 volt test Condensers. Size 8 3/4 x 2 1/2 x 4 1/2". Shipping weight 6 lbs. **B1069—Your Cost Each \$3.75**

### For Majestic "A" Eliminators

Size 8 1/4 x 3 3/4 x 7 3/4". Shipping weight 4 lbs. **B849—Your Cost Each \$2.45**

### Super "B"

### Master "B"

### Special Master "B"



For replacement in Majestic "B" Eliminators. You would not want better blocks than these sturdy units. This block is built exactly to the original in accordance with the exact Majestic specifications from brand new first grade merchandise, guaranteed as to quality. They will give you the kind of service you have a right to expect for your money. Composed of new high voltage condensers, scientifically designed, and carefully built to give long and satisfactory service. The electrical characteristics have been identically duplicated. As this was one of the most popular "B" Eliminators made, and was sold in such tremendous quantities, there will be a steady demand for replacements of this block for years to come, and the serviceman with foresight, that will lay in a supply of these, will eventually cash in on the requirements and demand for this block in the future. Shipping weight 5 lbs.

**B848—For Majestic Super "B" \$1.95**  
Your Cost Each

**B847—For Majestic Master "B" \$1.95**  
Your Cost Each

**B846—For Majestic Special Master "B" \$1.95**  
Your Cost Each

### Majestic Model 20 Chassis Condenser Bank and Input P. P. Transformer

Replacement for the Original Majestic Condenser and P.P. Input Transformer Assembly, Part No. 3887. Contains, two 2 mfd. Two 1 mfd., and P.P. Input transformer. Shipping weight 6 lbs. List Price \$20.00 **\$3.75**  
C1064—Your Cost



### Majestic 90-B Condenser

An exact Duplicate of the Original Majestic Filter Condenser in size and electrical characteristics. It contains: Three 2 mfd. and one 1 mfd. Shipping weight 6 lbs.

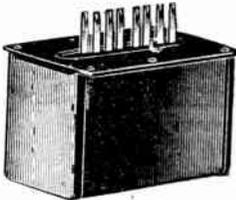
**B1065—Your Cost \$1.65**



Perfect Merchandise - Prompt Shipment - Personal Service

# CONDENSER BLOCKS

## Radiola Model 64 Victor 9-18 and 9-54 Part No. 8368 Filter Capacitor



The Genuine Radiola Filter Condenser Bank. Contains: Four 4 mfd., one 2 mfd. and two 1 mfd. These capacitors are all brand new, using 1000 volt condensers of the

very best foil and paper. Do not confuse this block with the so-called replacements on the market. Shipping weight 13 lbs.

**B1011—List Price \$30.00**  
**Your Cost... \$9.50**

### For RCA Model 67

The Genuine Replacement Filter Condenser, Part No. 4504, comprising three 2 mfd., two 4 mfd. and two 1 mfd. Similar in appearance to above. Shipping weight 13 lbs.

**B1007—List Price \$28.20**  
**Your Cost... \$13.50**

### 2 Mfd. Filter

#### Condenser 400 V. D. C.

Radiola replacement No. 551, 2 mfd. filter condenser 400 volts D. C., used in Models 20, 25, 28, 30, 32, 104 loudspeaker, uni-rectron and duo-rectron amplifiers. All brand new, never been used before. Size  $4\frac{1}{2} \times 2\frac{3}{4} \times 5\frac{3}{8}$ ", metal container, two soldering

lugs. Shipping weight 1 lb.  
**B528—Your Cost... 25¢**

### RCA 4 Mfd. Filter Condenser 800 Volt Working Voltage



The genuine RCA 4 mfd. 800-volt condenser. Used in Model 104 loudspeaker and Model 32 A. C. receiver. This condenser replaced the 7 and 3.9 mfd. condenser as first used in the RCA sets. For use in all high power amplifiers, using 210 or 250 type tubes. All are brand new and packed in individual cartons, and are guaranteed. Metal container,  $1\frac{1}{2} \times 4\frac{1}{2} \times 5$ ". Two insulated soldering lugs. Shipping weight 2 lbs.

**B687—Your Cost Each... 55¢**  
**Six for... \$3.00**

### Faradon Capacitors for RCA 30-A D. C.



Faradon No. WS 3787, RCA Filter and By-pass Condenser block, 11.5 mfd. Shipping weight  $3\frac{1}{2}$  lbs.

**B1001—Your Cost... \$1.95**

Faradon No. WS 3786, RCA Filter and By-pass Condenser block, 12 mfd. Shipping weight  $3\frac{1}{2}$  lbs.

**B1600—Your Cost... \$2.25**

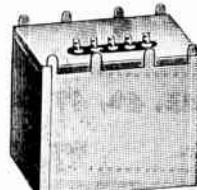
### For Radiola Model 30-A A. C.

Faradon WS 3781, RCA Part No. 5674, Filter and By-pass Condenser block, 16 mfd. Shipping weight 4 lbs.

**B1017—Your Cost... \$4.45**



## BRAND NEW Genuine Victor Filter Condenser Blocks Replacement for Models



### R-32, RE-45, R-52, RE-75

Contains: One 5 mfd., one 3 mfd., one 2.5 mfd. and 5 mfd. sections at 600 working voltage. These are all brand new condenser blocks, never been used or installed before.

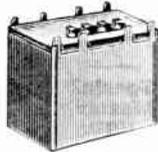
Each unit is given a severe test before leaving our testing laboratories. Housed in a metal container,  $5\frac{1}{2} \times 5 \times 4\frac{1}{2}$ ". Shipping weight 8 lbs.

**B890—Your Cost Special... 75¢**

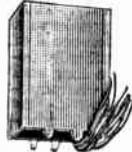
## Genuine Victor Replacement for Late Models R-32, RE-45, R-52, RE-75

Contains: One 5 mfd., one 3 mfd. and one 2.5 mfd., 600 working voltage. This is for the late Victor models, equipped with 4 taps, but can be used for the early models by using a .5 mfd. condenser in place of the No. 5 tap.

**B893—Your Cost... \$1.25**



## Filter and By-pass Condenser Assembly Models R-11, R-18, R-18A and RE-21



Genuine replacement part No. 7273, comprising one 4 mfd., one 6 mfd., four .5 mfd., two 1 mfd., five .1 mfd. and one .05 mfd. All in single metal

container. For 25-60 cycle receivers. Shipping weight 6 lbs.

**B533—List Price \$10.00**  
**Your Cost... \$3.95**

### Radiola Model 41 A. C.

The original condenser banks used in Radiola Model 41. Shipping weight 4 lbs.

**Receptor Power Pack**

**B1004—RCA No. 8404**

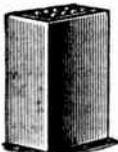
**Your Cost... \$2.65**

**Sterling Power Pack**

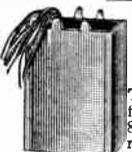
(Duplicate of Original)

**B1003—RCA No. 8397**

**Your Cost... \$4.65**



## Filter Condenser Models R-50, R-55, RE-20, RAE-59 and RAE-79



The genuine RCA replacement filter condenser block part No. 8712-64905, comprising, one 2 mfd., one 3 mfd., two .5 mfd. and one .1 mfd. Shipping

weight 5 lbs.  
**B531—Your Cost... \$3.25**

### Radiola Models 33, 44 D. C.

The Genuine Radiola Filter and Push-pull Input and Output Assembly for the above models. Contains: Two P. P. Audio transformers, and one 3 mfd., one 2 mfd., two .5 mfd. Brand new and guaranteed. Shipping weight 7 lbs.

**B1002—List \$21.25**  
**Your Cost... \$1.75**



## Genuine RCA— Radiola Condensers Radiola 17-50 Brunswick PR-17-8 Victor 7-25 Part No. 8289

Genuine replacement filter condenser for the above sets. Contains: Two 3.5 mfd. one 3 mfd., one 2 mfd., two 1 mfd. Brand new and guaranteed. Shipping weight 6 lbs.

**B1020—List \$19.20**  
**Your Cost... \$1.85**

### RCA Models 44-46-47 Graybar 500-550 Part No. 8476

The original replacement filter condenser for the above models. Contains: Three 2 mfd., one 1.25 mfd., one 1 mfd., one .5 mfd. and one .25 mfd., also output choke. Shipping weight 6 lbs.

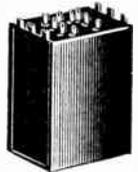
**B1016—List \$19.00**  
**Your Cost... \$2.35**

### Radiola Model 60 Graybar Model 300 Brunswick Model 5N0 Part No. 8346

The original Radiola filter condenser. Contains: Three 2 mfd., four .5 mfd. and output choke. Shipping weight 6 lbs.

**B1015—List \$16.50**  
**Your Cost... \$1.85**

### Graybar Model 340 Radiola Model 62



#### Brunswick 3NC8, 5NC8 Part No. 8382

The original Radiola replacement filter condenser for the above models. Contains: One 4 mfd., two 3.5 mfd., one 1 mfd., three .5 mfd., Shipping weight 6 lbs.

**B1014—Your Cost... \$2.15**

### Filter Capacitor For Field Supply Unit Part No. 8384

For above model receivers. Original RCA part. Contains: One 4 mfd., two .1 mfd. Shipping weight 4 lbs.

**B1013—List \$8.25**  
**Your Cost... \$2.20**

### Coupling Unit Part No. 8383

For above model receivers. The original RCA part. Contains: One audio transformer output to the voice coil of the dynamic speaker. One .5 mfd. condenser and a 12 henry choke. Shipping weight 7 lbs.

**B1012—List \$12.00**  
**Your Cost... \$2.70**

### Auditorium Radiola-Phonograph Radiola Model 66 Graybar Model 600 Part No. 8487

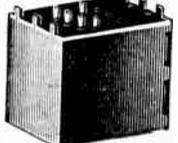
Original Radiola part. Contains: Two 2 mfd., one 1 mfd., one .5 mfd. and a 515 ohm output choke. Shipping weight 6 lbs.

**B1010—List \$14.25**  
**Your Cost... \$1.60**

### Radiola 18-33-51 Brunswick, 2Kro, 3Kro, 3Kr6, 5Kr, 5Kro, 5Kr6, Victor 7-11, 7-26 Graybar Model 311 (Part No. 8333)

Original filter condenser for above sets. Contains: Two 1 mfd., one .5 mfd. and output choke. Guaranteed brand new. Shipping weight 4 lbs.

**B1019—List \$7.40**  
**Your Cost... 38¢**

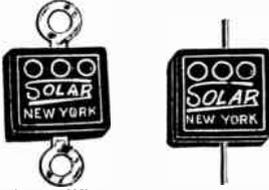


# Miscellaneous Filter Blocks and By-Pass Condensers

## Solar Mica Condensers



Stock No.	Capacity	Your Cost
D3450	.00005	10c
D3451	.00007	10c
D3452	.0001	8c
D3454	.0002	8c
D3455	.00025	8c
D3458	.0005	8c
D3463	.001	10c
D3465	.002	12c
D3466	.0025	14c
D3467	.003	15c
D3468	.004	18c
D3469	.005	20c
D3470	.006	22c
D3474	.01	36c



With Leads Stock No.	With Stock No.	Capacity	Your Cost
D3400	D3426	.000025	10c
D3401	D3427	.00003	10c
D3402	D3428	.00004	10c
D3403	D3429	.00005	8c
D3404	D3430	.00007	8c
D3405	D3431	.0001	8c
D3407	D3433	.0002	8c
D3408	D3434	.00025	8c
D3409	D3435	.0003	8c
D3410	D3436	.0004	8c
D3411	D3437	.0005	8c
D3416	D3442	.001	10c
D3418	D3444	.002	12c
D3419	D3445	.0025	12c
D3420	D3446	.003	14c
D3421	D3447	.004	16c

## Solar Non-Polarized Electrolytic Condensers



The most popular type of electrolytic condenser for use in all types of D. C. - A. C. receivers, experimenting, transmitting, etc. Non-polarized, 500 volt peak voltage. Together with the special process, and the highest quality materials makes this condenser adaptable for most any type of filtering. Use only D. C. voltage. Fully enclosed in a cardboard container. Shipping weight 1 lb.

Stock No.	Capacity	Your Cost
D2723	4	\$ .72
D2724	8	.84

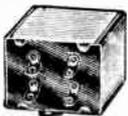
## Sprague 8 Mfd. Electrolytic Condenser



Sprague 8 mfd. Wet Electrolytic Condenser, 450 peak voltage. Inverted type, ideal for replacement in all receivers requiring an 8 mfd. condenser of this type. Fits the standard opening in chassis. One contact is brought out to a lug at bottom, other contact is grounded to case, which is of aluminum, 5" high, 1 1/4" in diameter. Self healing. Shipping weight 8 oz.

D4224	Your Cost, Special	29c
	Per Dozen	\$3.35

## Sprague By-Pass Condenser



For U. S. Radio and Television Sets, also Apex Models

Part No. 1757—Combines two .5 mfd. and one .1 mfd. Separate common for one .5, can is common for .1 and other .5 mfd. Can also be used in other sets. Size 1 3/4 x 2 1/2 x 1 1/2". Shipping weight 1 lb.

D4223	Your Cost	30c
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## Trutest Uncased Replacement Condensers Best Quality. Cellophane Wrapped



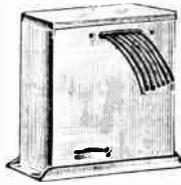
These uncased sections are in every respect the same as the sections used in the standard trutest type filter condensers. Non-inductively wound of high grade dielectric paper. Thoroughly impregnated with high melting point compound to protect them against heat, provided with insulated wire leads for direct connections. Sections are carefully dipped in a special wax compound which forms an extra heavy coating to prevent them from absorbing moisture and accidental damage in handling. Securely wrapped in moisture-proof cellophane.

Stock No.	Cap. Mfd.	Dimensions			Your Cost Each	Six For
		L	W	D		
<b>200 Volt D. C. Working Voltage</b>						
D3650	.25	1 1/2"	1 1/2"	1 1/2"	\$.12	\$.68
D3651	.5	1 3/8"	1 1/2"	1 1/2"	.16	.90
D3652	1.0	4"	1 1/2"	1 1/2"	.22	1.25
D3653	1.0	2 3/8"	1 1/2"	1 1/2"	.26	1.49
D3654	1.0	1 1/2"	1 1/2"	1 1/2"	.26	1.49
D3655	2.0	4"	1 1/2"	1 1/2"	.48	2.75
D3656	2.0	2 3/8"	2"	1 1/2"	.48	2.75
<b>300 Volt D. C. Working Voltage</b>						
D3657	.25	1 1/2"	1 1/2"	1 1/2"	.16	.90
D3658	.5	1 3/8"	1 1/2"	1 1/2"	.20	1.34
D3659	1.0	4"	1 1/2"	1 1/2"	.30	1.71
D3660	1.0	2 3/8"	2 1/4"	1 1/2"	.30	1.71
D3661	2.0	4"	1 1/2"	1 1/2"	.65	3.70
D3662	2.0	2 3/8"	2"	1 1/4"	.65	3.70
<b>400 Volt D. C. Working Voltage</b>						
D3663	.25	1 1/2"	1 1/2"	1 1/2"	.18	1.02
D3664	.5	1 3/8"	1 1/2"	1 1/2"	.22	1.25
D3665	1.0	4"	1 1/2"	1 1/2"	.37	2.12
D3666	1.0	2 3/8"	2 1/4"	1 1/2"	.37	2.12
D3667	2.0	4"	1 1/2"	1 1/2"	.72	4.30
D3668	2.0	2 3/8"	2"	1 1/4"	.72	4.30
<b>600 Volt D. C. Working Voltage</b>						
D3669	.25	2 3/8"	1 1/4"	1 1/2"	.22	1.25
D3670	.5	2 3/8"	1 1/2"	1 1/2"	.33	2.08
D3671	1.0	4"	2"	1 1/2"	.56	3.20
D3672	1.0	2 3/8"	3"	1 1/2"	.56	3.20
D3673	2.0	4"	2 1/4"	1 1/2"	1.10	6.25
D3674	2.0	2 3/8"	3 1/4"	1 1/2"	1.10	6.25
<b>800 Volt D. C. Working Voltage</b>						
D3675	.5	2 3/8"	2 1/2"	1 3/8"	.48	2.75
D3676	1.0	4"	2 1/4"	1 3/8"	.68	3.88
D3677	1.0	2 3/8"	2 1/4"	1 3/8"	.68	3.88

## Fada Model 43 Condenser Block

Built according to the standards of the original Fada condenser bank No. 1865-X. Contains: 2 mfd. at 600 volts, 2 mfd. at 400 volts and 2-1.0 mfd. at 400 volts. Shipping weight 4 lbs.

B1206  
Your Cost **\$2.95**



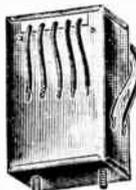
## Condenser Blocks for Eveready Models 1, 2, 3, Bosch Model 28



This is the original condenser block and filter choke for the above Eveready and Bosch receivers. Set utilizing 4-268, 1-27, 2-71As and 1-80 tubes. Filter choke is 30 henries at 80 ma. 2 mfd. and 4 mfd. filter condenser at 400 volt. Metal container. Shipping weight 7 lbs.

B1349—Your Cost Each **\$2.75**

## Sparton Filter Condenser Blocks for Models 69, 79, 89

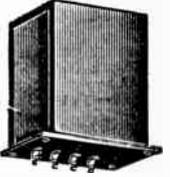


These are brand new condenser blocks made especially for replacement in Sparton models. Only the highest grade of paper and foil used in the construction of these units. The original specifications have been strictly adhered to. For guaranteed satisfaction, use these for Sparton replacements. Shipping weight 5 lbs.

B975—Your Cost **\$3.75**

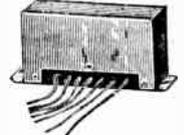
## Fada Model 70 Condenser Block

Made exactly like the original Fada block. Guaranteed. Shipping weight 5 lbs.



B1197—Your Cost **\$3.90**

## Sparton By-Pass Condensers



These replacements are identical in appearance and capacities as the originals. The finest quality condenser sections used in making these quality replacements.

For Models 10, 15 and 56  
Contains the following capacities: 2, .3, .3, .3, .2, .2, .2 mfd. In single metal container. Shipping weight 2 lbs.

B665—Your Cost **\$1.60**

For Model 12  
Sparton No. A-6717, contains the following capacities: .3, .4, .2, .2 and .4 mfd. Shipping weight 2 lbs.

B666—Your Cost **\$1.40**

For Models 16 and 16AW  
Sparton No. A-6716, contains the following capacities: .2, .3, .2, .3, .2, .2, .2 mfd. Shipping weight 2 lbs.

B667—Your Cost **\$1.50**

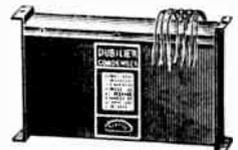
For Models 5 and 9  
Sparton No. A-6625, contains the following capacities: .3, .3, .3, .1, .1 and .3 mfd. Shipping weight 2 lbs.

B668—Your Cost **\$1.45**

## Dubilier Filter Condenser for Zenith Receivers PL-1145

An ideal filter condenser block for general replacement purposes. The high voltage sections make it suitable for use in amateur transmitters. Contains the following capacities: 2 mfd. 800 volts, 1 mfd. 800 volts, 3 mfd. 600 volts, 3 mfd. 400 volts, 1 mfd. 200 volts, 1/2 mfd. 400 volts. Fully shielded in metal case. Size 8 1/2 x 5 x 2 1/4". Shipping weight 8 lbs.

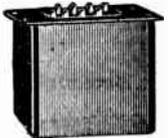
B692—Your Cost **\$1.25**



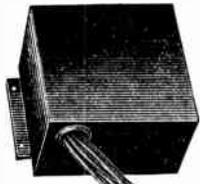
## Stromberg-Carlson Filter

Models 635, 636  
The original Stromberg-Carlson filter condenser. Total capacity 23 mfd. Shipping weight 11 lbs.

B918—Your Cost **\$3.75**



## Splitdorf Condenser Block



Made by Aerovox for Splitdorf Receivers. Common, black-green tracer; 3 mfd. yellow-green tracer; 1 1/2 mfd. two tan leads; 1 mfd. brown-green tracer; 1/2 mfd. purple-green tracer, all at 300 volt D. C. 12" leads, contained in a metal case, 5 x 5 x 3". Shipping weight 6 lbs.

B524—Your Cost Each **95c**

**We Will Not Knowingly Be Undersold**



### Condenser Blocks for U. S. Radio & Television Co. Gloritone and Apex Receivers

Made in accordance with the original condenser blocks. These blocks will replace those in U. S. Radio & Television, Apex and Gloritone Receivers.

**Apex Models 28, 48 and 48A**  
3-24s; 2-27s; 2-45s; 1-80. 1-3-1-1. mfd. Has 5 leads. Shipping weight 4 lbs. **B1410—Your Cost \$2.35**

**Apex Model 36**  
4-26s; 1-27; 1-71A, and 1-80. 1-1-1-1-1-5 mfd. 6 terminals. Shipping weight 4 lbs. **B1409—Your Cost \$4.40**

**Apex Model 37**  
4-26s; 1-27; 2-71As and 1-80. 1-1-1-1-1-5 mfd. 8 leads. Shipping weight 4 lbs. **B1408—Your Cost \$4.20**

**Apex Model 41**  
5-27s; 2-45s; 1-80. 1-1.5-1-1. mfd. 4 leads. Shipping weight 4 lbs. **B1407—Your Cost \$1.95**

**Apex Models 46, 46A, 47 and 47A**  
2-24s; 2-27s; 2-45s; 1-80. 1-2-1.5-5-1 mfd. 5 leads. Shipping weight 4 lbs. **B1405—Your Cost \$1.75**

### Faradon Capacitor

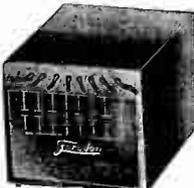


Total capacity, 12 mfd., 300 operating volts D. C. 600 V. Flash test. Red 4 mfd., Brown 3 mfd., Blue 3 mfd., Yellow 2 mfd. Black is common. Metal Container, size 5x3 1/4 x 2 1/2 ins. Made for replacement in a nationally known set. Shipping weight 4 lbs.

**B683—Your Cost 95¢**

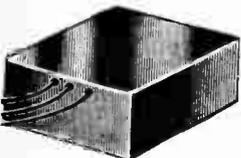
### Faradon Condenser Block

A 4.5 mfd. Block rated at 400 volts D. C. Black—Common. Red—2 mfd., White 1 mfd., White—1 mfd., Green .25 mfd., Green—.25 mfd. Size 3 1/4 x 3 x 2 1/2". Shipping weight 2 lbs.



**B690—Your Cost 75¢**

### Faradon Filter Condenser



**2 Mfd  
1.5 Mfd  
450 Volts**  
Size 3 1/2 x 4 3/4 x 1 1/2 ins.

Makes an ideal replacement unit for general purpose work. For use in Radio receivers and power amplifiers. Shipping weight 2 1/2 lbs. **B679—Your Cost Each 25¢**  
**In Lots of Ten, Each 22¢**

### Bremer-Tully & Brunswick Condenser Blocks



Original replacement condenser blocks for Bremer-Tully and Brunswick receivers. Can also be used as a general replacement unit. When ordering specify color spot required. Shipping weight 3 lbs. **For Brunswick Models 14,**

**21 and 31. B1311—Red Spot. Your Cost 48¢**

**Brunswick Models S14, S21, and S31  
Bremer-Tully Models S81 and S82  
B1312—Green Spot. B1313—Black Spot.**

**B1314—Blue Spot. Your Cost any Type, Each 48¢**

**Bremer-Tully Models 81 and 82  
B1315—Yellow Spot. Your Cost Each 48¢**

# Guaranteed Replacement

	Stock No.	Your Cost	Stock No.	Your Cost
<b>ALL AMER. MOHAWK</b>				
Model "F".....	B1424	\$3.65		
Model A-8.....	B1423	2.44		
Model A-10.....	B1422	3.65		
Model Lyric No. 90.....	B1421	2.40		
Model Lyric "D".....	B1420	3.85		
Models Lyric 60 and 80 Series.....	B1419	3.50		
<b>AMRAD</b>				
Model 7100.....	D3330	1.25		
Model 7100.....	D3319	2.10		
Model AC-7.....	D3319	2.10		
Model Bel Canto 81.....	D3321	3.25		
Model 70.....	D3319	2.10		
<b>APEX</b>				
Model 28.....	B1410	2.35		
Model 36.....	B1409	2.95		
Model 37.....	B1408	4.20		
Model 41.....	B1407	1.95		
Models 46 and 46-A.....	B1405	1.75		
Models 47 and 47-A.....	B1405	1.75		
Models 48 and 48-A.....	B1410	2.35		
Model 80.....	B1403	2.95		
Models 28-A, 28-AX.....	B1411	2.85		
<b>ARGUS</b>				
Model 191-210.....	B1390	4.50		
<b>ARBORPHONE</b>				
Model 45.....	B1385	3.95		
<b>ATWATER-KENT</b>				
36 Condenser Block (Serial below 260,000).....	B1380	.49		
36 Condenser Block (Serial above 260,000).....	B1382	.49		
37-38 Condensers Only.....	B1379	1.25		
37-38 Condenser and Choke Assembly.....	B1378	1.85		
40 Condenser Only.....	B1377	1.35		
45 Condenser Assembly.....	B1370	1.95		
46, 47 and 53 Condenser Assembly.....	B1369	2.90		
42, 44, 45 and 52 Complete Power Unit.....	B1376	5.25		
40, 56 and 57 Complete Power Unit.....	B1381	5.25		
43, 46, 47 and 53, Complete Power Unit.....	B1375	7.50		
55, 55C, 60, 60C: 7 Taps.....	B1368	2.90		
55F, 55FC, 3rd Type 60C, L-1 Chassis 5 Taps.....	B1367	2.90		
66, 7 Taps.....	B1366	2.90		
72 Series.....	B1365	2.90		
89.....	B1364	2.90		
<b>BALKEIT</b>				
Model "C".....	B1355	3.40		
<b>BOSCH</b>				
Model "Little Six".....	B1350	4.40		
Model 28.....	B1349	2.75		
Model 29-825.....	B1348	3.70		
Model 48.....	B1347	2.45		
Models 58 and 60.....	B1346	2.95		
Models 5 and 5-A.....	B1345	2.25		
Models 31 and 32 Superhet.....	B1344	2.35		
Models 20J, 20K and 20L.....	B1343	2.75		
Model 133.....	B1342	2.90		
Models 73 and 74.....	B1341	2.45		
<b>BRANDES</b>				
Models B-10 and B-11.....	B1335	1.50		
Models B-15 and B-16.....	B1334	1.95		
<b>BREMER TULLY</b>				
Models 8-20A, 8-21A.....	B1325	3.95		
Models 6-40, 6-41.....	B1324	3.90		
Models 7-70, 7-71.....	B1323	3.70		
Models S81 and S82 Green Spot.....	B1312	.48		
Models S81 and S82 Blue Spot.....	B1314	.48		
Models S81 and S82 Black Spot.....	B1313	.48		
Models 81 and 82 Yellow Spot.....	B1315	.48		
<b>BRUNSWICK</b>				
Models PR-17-8.....	B1020	1.90		
Models 2KR0, 3KR0, 2KR0, 5KR0, 5KR6.....	B1019	.38		
Model 5N0 power unit.....	B1015	1.95		
Models 3NC8, 5NC8, Condenser Block.....	B1014	2.75		
Models 3NC8, 5NC8, Field Supply Filter.....	B1013	2.20		
Models 3NC8, 5NC8, Coupling Unit.....	B1012	2.70		
Models 15 and 22.....	B1309	3.50		
Models 14, 21 and 31 Red Spot.....	B1311	.48		
Models S14, S21 and S31 Green Spot.....	B1312	.48		
Models S14, S21 and S31 Blue Spot.....	B1314	.48		
Models S14, S21 and S31 Black Spot.....	B1313	.48		
<b>COLONIAL</b>				
Model 50 A.C. (R-6238).....	B1300	\$2.25		
Model 28.....	B1301	3.25		
Model 31.....	D3318	1.60		
Model 32 Electrolytic.....	D3318	1.60		
Models 33 and 34 Electrolytic.....	D3316	1.15		
<b>COLUMBIA RADIO</b>				
Model Screen Grid 8.....	B1290	2.75		
<b>COLUMBIA-KOLSTER</b>				
Models C-1, C-3.....	B1280	1.75		
Model C-5.....	B1278	3.50		
Models C-6, C-7.....	B1277	2.25		
Models 930, 931 and 961.....	B1275	3.50		
Model 930-300.....	B1273	3.50		
Model 950.....	B1271	3.50		
Model 980.....	B1272	3.50		
<b>DAYFAN</b>				
Model 5091.....	B1255	3.90		
Model 5003.....	B1251	3.90		
Models 5069, 5077, 5080.....	B1252	3.90		
<b>DAYTON</b>				
Model AC-63.....	B1250	2.95		
Model 5309-A.....	B1249	3.45		
<b>EARL, C. A.</b>				
Models 21 and 22.....	B1245	2.45		
Models 31, 31S, 32, 32S, 33, 33S and 41.....	B1244	2.45		
<b>EDISON</b>				
Models R-1, R-2, C-2.....	B1220	3.45		
Models R-4, R-5, C-4.....	B1219	2.95		
Models R-6, R-7.....	B1218	2.95		
<b>EVEREADY</b>				
Models 30, 40 and 50 Series.....	B1210	3.25		
Models 1, 2 and 3.....	B1349	2.75		
<b>FADA</b>				
Models 25, No. 1780X.....	B1205	3.25		
Models 35, 35Z, No. 1790X.....	B1203	3.45		
Model 25 and 35 (Late) No. 1801X.....	B1201	5.10		
Models 42, 44, 46, 47, No. 1830X.....	B1199	3.25		
Models 50, 70, 71, 72, 75, 77, No. 1492MS.....	B1197	3.90		
Model KA.....	B1196	3.95		
Model 43.....	B1206	2.95		
<b>FEDERAL</b>				
Model "H".....	B1180	2.40		
Model "K".....	B1179	2.45		
<b>FREED</b>				
Models 55 and 56.....	B1245	2.45		
Models 65, 78, 79, 90 and 95.....	B1244	2.75		
<b>FREED-EISEMANN</b>				
Model NR 57.....	B1170	2.95		
Model NR 70.....	B1169	3.75		
Model NR 80.....	B1168	2.95		
Model NR 85.....	B1167	3.10		
Model 411.....	B1166	3.45		
Model 480 A.C.....	B1165	3.25		
Model 480 D.C.....	B1164	2.45		
<b>FRESHMAN</b>				
Model "Q".....	B1155	1.50		
Model "QD".....	B1154	2.75		
Model N (all models).....	B1153	3.75		
Model G-60S.....	B1152	2.40		
Model M-60S.....	B1151	3.10		
<b>GENERAL ELECTRIC</b>				
Models H-31, 51 and 71.....	B1005	2.75		
<b>GREBE</b>				
Model AC-6.....	B1130	3.25		
Model SK-4.....	B1129	2.20		
<b>GENERAL MOTORS</b>				
Models 120, 130, 140, 150 and 160. "A" Chassis.....	B1125	3.90		
<b>GAROD</b>				
Model "E.A." (5 leads).....	B1115	3.75		
Model "E.A." (2 leads).....	B1114	3.00		
<b>GRAYBAR</b>				
Model 311.....	B1020	1.90		
Models 44, 46 and 47.....	B1016	2.70		
Model 60.....	B1015	1.95		
Model 62. Condenser Block.....	B1014	2.75		
Model 62. Field Supply Filter.....	B1013	2.95		
Model 62. Coupling Unit.....	B1012	3.25		
Model 600.....	B1010	1.60		
Model 600. By-Pass Assembly.....	B1009	5.75		
Models 700, 770, 900.....	B1005	2.75		

# Condenser Blocks

# CONDENSER BLOCKS

## RCA Radiola Midget By-Pass Condensers for all Models



B536—RCA Part No. 2010, 160 mmfd.  
B537—RCA Part No. 2012, 1200 mmfd.  
B538—RCA Part No. 2029, 1200 mmfd.

Your Cost Each..... **10¢**



### Kolster K-43

The original Dubilier Type PL1557 Filter Condenser for the Kolster K-43. 5.1 mfd. total capacity. Shipping weight 3 lbs.

B1334—Your Cost... **\$1.95**

### Condenser Block for Kolster



Models K-20, K22, K48A Columbia Models C1 and C3

This unit is very compactly made, of the finest materials, and can be used for general replacement where similar capacities are required. Two 2 mfd. at 400 volt; one 2 mfd. at 160 volt; one 1 mfd. at 400 volt; one 1 mfd. at 400 volt. The original Faradon condenser block for the above model receivers. Guaranteed brand new. Shipping weight 3 lbs.  
B1280—Your Cost..... **\$1.75**



### Zenith Replacement 22-59

The official replacement condenser for Zenith Radio. Can also be used as a general replacement. Black common, Green 2 mfd., Blue 4 mfd., Yellow 4 mfd., two Whites .25 mfd. Size 6 1/2 x 4 1/2 x 2 1/2 ins. Shipping weight 5 lbs.  
B863—Your Cost Special... **95¢**

### General Motors Model "A" Chassis: 120, 130, 140, 150, 160 Filter Block

Made expressly for the above series of General Motors model receivers. Will fit the chassis exactly, changes are unnecessary. Guaranteed. Shipping weight 8 lbs.

B1125—Your Cost... **\$3.90**



### Ozarka Radio Filter Condenser



General purpose replacement filter condenser bank. Consists: Two 2 mfd. One 4.5 mfd. and two .5 mfd. at 400 v. D. C. in metal container. Size 2 1/2 x 2 x 5 1/4 ins. high with mounting flange. Shipping weight 3 lbs.

B489—Your Cost, Special... **49¢**

	Stock No.	Your Cost		Stock No.	Your Cost			
<b>HAMMARLUND</b>								
Model HIQ 30.....	B1105	\$4.25	<b>SPLITDORF</b>					
<b>KING</b>								
Model "J".....	B1100	4.45	Abbey, Jr.....	B523	\$1.25			
<b>KOLSTER-COLUMBIA</b>								
Model 6-H.....	B1090	3.25	Model M-6.....	B525	2.75			
Models 6-J, 6-K, 6-R.....	B1089	2.95	<b>STEWART-WARNER</b>					
Models K-20, 22, 25 and 27.....	B1280	1.75	Models using Majestic Power Unit.....	B930	4.10			
Models K-21 and K-23.....	B1088	2.75	Model 900 A. C. Series No. 61303.....	B929	1.75			
Model K-24.....	B1278	3.50	Model 900-950 A. C. Series. Condenser and Choke Assembly.....	B928	3.75			
Model K-43.....	B1334	1.95	<b>STROMBERG-CARLSON</b>					
Model K-44.....	B1087	2.75	Models 10 and 11.....	B920	3.45			
Model K-45.....	B1086	3.45	Models 12 and 14.....	B919	5.10			
<b>MAJESTIC</b>								
Model 70, Series 7PB6 Power Unit.....	B1070	1.75	Models 635 and 636.....	B918	3.75			
Model 80-180, 8PB6 Power Unit.....	B1069	3.75	Model 638.....	B917	3.75			
Model 90, Series 9PB6 Power Unit.....	B1067	1.95	Models 641, 642, 652 and 654.....	B916	3.95			
Models 90-B and 100-B.....	B1065	1.65	Models 846 and 848.....	B915	3.95			
Model 50.....	B1063	2.50	<b>TEMPLE</b>					
Model 20 Condenser and Input Transformer.....	B1064	3.75	Models 860, 880 and 890.....	B905	4.25			
Model 30 Condenser and Choke Assembly.....	B1066	3.25	Model 761.....	B904	4.00			
<b>PEERLESS</b>								
Model 65.....	B1045	3.60	<b>VICTOR</b>					
Model 70.....	B1044	2.95	Models 9-18 and 9-54.....	B1011	9.50			
<b>PHILCO</b>								
Model 20.....	B1030	4.40	Model AP, 736, Power Unit.....	B891	4.75			
Model 65.....	B1029	1.90	Models R-32, RE-45, R-52, RE-75.....	B890	.75			
Model 82.....	B1028	1.90	Models 35, 39 and 57.....	B892	3.25			
Model 86.....	B1027	1.99	<b>ZENITH</b>					
Model 87.....	B1026	1.90	Model ZE-10 Power Unit No. 22-40.....	B870	3.75			
Model 511.....	B1025	3.75	Models ZE-11, Z-14 Power Unit No. 22-41.....	B869	2.95			
Models 95, 96, 296, 111, 211, 112, 212.....	B1031	3.90	Model ZE-13 Power Unit No. 22-46.....	B868	3.95			
Models 76 and 77.....	B1032	3.75	Model ZE-16 Power Unit No. 22-48.....	B867	6.90			
<b>RCA-RADIOLA</b>								
Models 17 and 50.....	B1020	1.85	Model ZE-17 Power Unit No. 22-49.....	B866	6.50			
Models 18, 33 and 51.....	B1019	.38	Model ZE-18 Power Unit No. 22-57.....	B865	4.50			
Model 30-A Filter.....	B1018	6.75	Model Super-Het.; 11, 12, 14.....	B864	2.50			
Model 30-A By-Pass.....	B1017	4.45	<b>ALL AMER. MOHAWK</b>					
Models 44, 46 and 47.....	B1016	2.35	A & B Elim. Condenser Block.....	B895	4.00			
Model 60.....	B1015	1.85	<b>DUMONT</b>					
Model 62 Filter.....	B1014	2.15	"A" Eliminator Block.....	B858	1.25			
Model 62 Field Filter.....	B1013	2.20	<b>FADA "ABC" POWER PACK</b>					
Model 62 Coupling Unit.....	B1012	2.70	"A" Condenser.....	B867	1.25			
Model 64 Filter Block.....	B1011	9.50	"B" Condenser Block.....	B856	3.25			
Model 66 Filter Block.....	B1010	1.60	<b>FRANCE</b>					
Model 66 By-Pass Unit.....	B1009	5.75	Model 102 "A" Elim.....	B855	2.25			
Model 64 By-Pass Unit.....	B1008	1.50	<b>FARRAND</b>					
Model 67 Filter Block.....	B1007	13.50	"B" Elim. Condenser.....	B854	3.95			
Model 67 By-Pass Unit.....	B1006	1.55	<b>EXIDE WILLARD</b>					
Models 80, 82 and 86.....	B1005	2.75	Eliminator Condenser.....	B853	3.25			
Model 41 Receptor Pack.....	B1004	2.65	<b>GREENE AND BROWN</b>					
Model 41 Sterling Pack.....	B1003	4.65	"A" Elim. Condenser.....	B852	3.00			
<b>SILVER-MARSHALL</b>								
Model 30.....	B985	4.65	"B" Hi-Power Condenser.....	B851	3.95			
Model ABC 850.....	B986	4.16	"B" Super Condenser.....	B850	3.75			
Sheridan Model.....	B987	1.96	<b>MAJESTIC</b>					
Power Supply Unit.....	B988	3.31	"A" Elim. Condenser.....	B849	2.45			
Model 773.....	B989	1.47	"B" Super Condenser.....	B848	1.98			
Model G.....	B989	1.47	"B" Master Condenser.....	B847	1.98			
Model J.....	B991	1.63	"B" Special Master Condenser.....	B846	1.98			
Model 726.....	B989	1.47	<b>PHILCO</b>					
<b>SPARTON</b>								
Model AC-5.....	B980	3.45	"ABC" Elim. "B" Condenser.....	B845	3.00			
Models AC-7, 62 and 63.....	B979	3.25	<b>STERLING</b>					
Model 109.....	B978	3.75	"A" Elim. Condenser.....	B844	3.00			
Model 89-A.....	B976	3.75	<b>Perfect Merchandise - Prompt Shipment - Personal Service</b>					
Models 69, 79 and 89.....	B975	3.75	World Radio History					
Model 301-A.....	B974	5.90						
Model 930.....	B973	3.25						
Model 737.....	D3317	1.30						
Models 589 and 931.....	D3317	1.30						
<b>SONORA</b>								
Models B-30 and B-31.....	B950	2.90						
DeLux 44.....	B949	7.90						
<b>STEINITE</b>								
Models 40-A and 45-A.....	B940	3.25						
Models 40-C, 60-C and 102-C.....	B941	3.25						
Models 50-A and 102-A.....	B939	3.95						
Models 70, 80 and 95.....	B938	3.65						
Models 261 and 262.....	B937	2.95						
Model 991.....	B936	4.35						

# Replacement By-Pass Condensers

## Colonial By-Pass Condenser



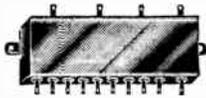
No. **1748-SA**  
For Model 32  
The genuine Colonial By-pass condenser. .1 .1 .5 mfd.

**B688—Your Cost, Each . . . . . 55¢**

Similar in appearance to above. Part No. 1728-SA. .1 .1 .25 .1 mfd.

**B691—Your Cost, Each . . . . . 98¢**

## General Purpose By-Pass Condenser



Contains 9 .25 mfd. condensers with 3 commons and one 1 mfd. at 350 volts. Replacement in Kennedy Model 20 receiver. General replacement and experimenter's condenser block. Full shielded in metal case with mounting lugs. Size 6x2x1". Better stock a dozen while they last. Shipping weight 3 lbs.

**B509—Your Cost Each. . . . . 29¢**  
**Per Dozen. . . . . \$3.25**

## Grebe SK-4 By-Pass No. SG-217

This is an exact duplicate of the original By-pass Condenser. Contains two .1 mfd. at 400 volts.



**B695—Your Cost . . . . . 55¢**

## Atwater-Kent By-Pass Condensers

### Genuine Replacements

Condensers for all late model receivers. **Detector By-Pass B1425—A. K. Part No. 15263—Condenser B-2, H-2.**  
**B1426—A. K. Part No. 16745—Condenser H-7, H-8, H-13**  
**Your Cost, Either Type . . . . . 50¢**

**R. F. By-Pass B1427—A. K. Part No. 16462—Condenser H-5, H-11.**  
**B1428—A. K. Part No. 15262—Condenser B-1, H-1, H-9, H-20.**  
**Your Cost, Either Type . . . . . 50¢**

### Speaker By-Pass Condenser



For A. K. Models 37, 38, 40, 46, 42 and 44.

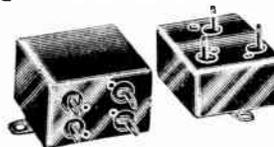
These condensers are guaranteed to give service equal or superior to the originals. No better obtainable at any price. Exact size. Shipping weight 4 oz.

**D3961—Your Cost Each . . . . . 55¢**

## Crosley Replacements

These replacement by-pass condensers are made for replacement in Crosley receivers. They **EXACTLY DUPLICATE** the original in every respect. The listing below covers the entire Crosley line of receivers. All are brand new and guaranteed. Shipping weight 10 oz.

Stock No.	Crosley Part No.	Your Cost
B700	W4013-B	\$0.30
B701	W4232-B	.75
B703	W4381-B	.48
B704	W4919	.30
B705	W4968	.26
B706	W5862	.95
B707	W5863	.80
B708	W5943	.24
B709	W6428	.45
B710	W7753	.55



Stock No.	Crosley Part No.	Your Cost
B711	W7944	\$0.40
B712	W20186	.60
B713	W20187	.22
B715	W20446	.55
B716	W20447	.30
B717	W20449	.38
B718	W22412	.55
B719	W22995	.40
B720	W23736	.65

## Flechtheim By-Pass and Filter Condensers



Stock No.	Capacity	Your Cost
D2825	.1	\$0.27
D2826	.25	.30
D2827	.5	.32
D2828	1.0	.38
D2829	2.0	.60
D2830	4.0	1.14

**Majestic 70, 90, 180 Series**  
By-Pass Condenser .5 .5 mfd. Original Majestic Part No. 717. Shipping weight 1 lb.  
**C2108—Your Cost . . . . . 19¢**

## General Motors By-Pass Condensers

Made especially for replacement in all General Motors radio sets. The best quality sections used.

Stock No.	Part No.	Total mfd.	Your Cost \$2.00
B735	1206156	.4	.42
B736	1206397	.2	.72
B737	1207299	1.0	.70
B738	1206834	.7	.90
B739	1200158	.2	.51

## A. K. By-Pass Condenser Part 15158

An exact replica of the original Atwater-Kent By-Pass Condenser for their receivers. Fully guaranteed. This unit is of exceptional value. Shipping weight 1 lb.  
**B510—Your Cost . . . . . 95¢**

## R. F. By-Pass Condenser

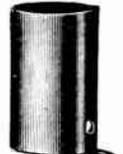


For Models 37, 38, 40, 42, 44 and 46. The very best condensers obtainable for these receivers. Exact physical size and capacities. Guaranteed. Shipping weight 8 oz.  
**D3960—Your Cost Each . . . . . 70¢**

## Sparton Tabular Condensers

New and improved type, fully shielded in a metal shell. Made expressly for Sparton replacement.

**B545—.25 mfd. Your Cost Each . . . . . 33¢**  
**B546—.5 mfd. Your Cost Each . . . . . 39¢**  
**B547—1.0 mfd. Your Cost Each . . . . . 49¢**



**Cardboard Container**  
**B511—.25 mfd. B512—.5 mfd. B513—1.0 mfd. Your Cost Either . . . . . 33¢**  
**Type . . . . . 33¢**

## Sparton By-Pass Models 9-A, 410 and 420



Exact duplicate of the original part A6456, 4-section the original in every respect. Shipping weight 8 oz.  
**B545—Your Cost Each . . . . . \$1.05**

# RCA—Victor Replacements

## By-Pass Condenser Block

For RCA 80, 82, 86; G. E. H-31, H-51, H-71; Westinghouse WR-5, 6, 7. Part No. 7058

Contains three .1 mfd. and one 0.5 mfd. and one 1.0 mfd. in metal container. An exceptionally well built condenser. Can be used in general by-pass work. Shipping weight 2 lbs. **B532—Your Cost . . . . . 45¢**



For RCA Models 17-50-60-62-64 Part No. 5681: two 1/2 mfd.  
**B481—Your Cost . . . . . 25¢**

For RCA Model 41 A. C. Part No. 5664: One 1/2 mfd.  
**B484—Your Cost . . . . . 20¢**

For RCA Models 44-46-47 Part No. 6002: One 1/4 mfd. One 3/4 mfd. **B485—Your Cost . . . . . 35¢**  
Part No. 6003: Three .1 mfd.  
**B486—Your Cost . . . . . 23¢**

RCA Model 33 A. C. Part No. 5996: One .5 mfd. Three .1 mfd. **B522—Your Cost Each . . . . . 29¢**

RCA Model 18 and 51 Part No. 2241: Four 1/2 mfd.  
**B483—Your Cost Each . . . . . 35¢**  
Shipping Weight 1 lb.

Models **R-32RE-45 R-52RF-75**  
Part No. 60074: .1 .1 .125 mfd.  
**B478—Your Cost . . . . . 20¢**

Part No. 60564: .1 .1 .1 mfd.  
**B479—Your Cost . . . . . 20¢**  
Part No. 60835: .1 mfd.  
**B480—Your Cost . . . . . 12¢**

## By-Pass Condenser Assembly

Models R-50, R-55, RE-20, RAE-59 and RAE-79

Part No. 7285, comprising one .1 mfd., one .5 mfd., two .1 mfd., 6 leads. Shipping weight 2 lbs.  
**B530—List Price \$3.50 \$1.25 Your Cost . . . . . 1.25**

Part No. 7286, similar in appearance to above, comprising one 1 mfd., one .5 mfd., three .1 mfd. All have separate common leads. 10 leads. Shipping weight 3 lbs.  
**B529—List Price \$4.50 \$1.75 Your Cost . . . . . 1.75**

## Radiola Model 64

### Victor Models 9-18, 9-54

Part No. 5862 **By-Pass Assembly** The Original Radiola By-Pass Condenser Assembly. Contains One 2 mfd., Two 1.5 mfd. and Three 1 mfd. Shipping weight 3 lbs.  
**B1008—List \$9.90 Your Cost . . . . . \$1.45**

## Radiola Model 67

Part No. 8498 **By-Pass Assembly** Similar in appearance to above. Original Part. Contains: One 2 mfd., Two 1.5 mfd. and Three 1 mfd. Shipping weight 3 lbs.  
**B1006—List \$9.75 \$1.55 Your Cost . . . . . 1.55**

## Capacitor Pack

### Radiola Model 66

### Graybar Model 600

Similar in Appearance to Above. This is the genuine Radiola Part No. 6021. Capacitor Pack, comprising five 1/2 mfd., two .05 mfd. by-pass condensers and one audio transformer. Our quantity is limited. Shipping weight 3 lbs.  
**C2172—Your Cost . . . . . \$5.75**

# MALLORY ELKON

## ABSOLUTELY DRY ELECTROLYTIC CONDENSERS

The perfection of the Dry Electrolytic Condenser, a major contribution to the radio industry, was made by P. R. Mallory & Co. who pioneered, developed and perfected this art, and revolutionized condenser design and manufacture. Many millions of

Mallory-Elkon Dry Electrolytic Condensers are assembled in America's finest radio receivers. They are the first choice of the leading Radio Engineers and receiver manufacturers. Maximum microfarad capacity, light weight, extreme compactness and

lowest cost per microfarad, considering quality, has made Mallory-Elkon the world's largest manufacturer of Dry Electrolytic Condensers exclusively. We present herewith an assortment for practically every replacement requirement.

### Cardboard Container Single and Dual Sections

The cardboard box type of dry electrolytic condenser offers the maximum mfd. capacity combined with minimum size and weight. It is also the most economical in cost and lends itself most readily to any position of mounting. Ideal for replacing blown paper condensers by simply slipping into the original containers. D. C. Working Voltage —450; Maximum Surge Voltage 500.  $4\frac{1}{2} \times 1\frac{1}{2}$ ". Shipping weight 1 lb.



Stock No.	Cap. Mfd.	Dimension Thickness	Your Cost
D2775	2	$1\frac{1}{16}$ "	\$0.56
D2776	4	$1\frac{1}{16}$ "	.65
D2777	6	$1\frac{1}{16}$ "	.76
D2778	8	$1\frac{1}{16}$ "	.85
D2779	4-4	$1\frac{1}{2}$ "	1.06
D2780	4-8	$1\frac{1}{2}$ "	1.24
D2782	6-8	2"	1.32
D2783	8-8	2"	1.44

### Round Inverted Metal Can with 6" Leads Single and Dual Sections

This inverted Single and Dual Section type is provided with 6" flexible leads for single  $3\frac{1}{4}$ " hole mounting. Maximum Mfd. capacity in Minimum space. One standard size aluminum can. D. C. working voltage 450; Max. surge voltage 500. Size  $4\frac{1}{2} \times 1\frac{1}{2}$ ". Shipping weight 1 lb.



Stock No.	Cap. Mfd.	Your Cost
D2736	4	\$ .82
D2737	6	.94
D2738	8	1.00
D2739	10	1.24
D2740	12	1.32
D2741	4-4	1.56
D2742	4-8	1.73
D2743	6-6	1.76

### Round Upright Metal Can Single, Dual and Multiple Section

These single, dual and multiple section (universal mounting) condensers are furnished in round aluminum cans with lugs. Because the electrolyte is absolutely dry, they are greatly preferred by service men for replacing wet and semi-dry condensers in a large number of receivers made before the dry electrolytic condenser was perfected by Mallory-Elkon. All negative terminals are grounded to the can. D. C. working voltage 450; Surge voltage 500. Size  $4\frac{1}{2} \times 3$ ". Shipping weight 3 lb.



Stock No.	Cap. Mfd.	Your Cost
D2755	8-8-8	\$2.64
D2756	9-9-18	3.97
D2757	8-8-8-8	3.53
D2758	8-8-18-18	5.56
D2759	9-9-18-18	5.15

### Rectangular Metal Can Multiple Sections



This type affords the service man with multiple sections of dry electrolytic condensers in a rectangular metal can, having flanged mounting feet for easy and rapid mounting, especially in replacing. Positive and negative of each unit is clearly marked. All sections are insulated from the container. D. C. working voltage 450. Shipping weight 1 lb.

Stock No.	Cap. Mfd.	Dimensions High Thick Width	Your Cost
D2760	4-6	$4\frac{3}{8}$ " $1\frac{1}{2}$ " 2"	\$1.69
D2761	4-8	$4\frac{3}{8}$ " $1\frac{1}{2}$ " 2"	1.74
D2762	6-8	$4\frac{3}{8}$ " $1\frac{1}{2}$ " 2"	1.88
D2763	4-4-4	$4\frac{3}{8}$ " $1\frac{1}{2}$ " $2\frac{3}{8}$ "	2.24
D2765	8-8-8	$4\frac{3}{8}$ " $1\frac{1}{2}$ " $2\frac{3}{8}$ "	2.85

### Cardboard Bypass

The cardboard By Pass type is to provide the service man with a dry electrolytic condenser smaller in size than the paper condensers they are to replace as originally used in filter and audio by-pass circuits. Size  $2\frac{1}{2} \times 1\frac{1}{8}$ ". Shipping weight 1 lb.



Stock No.	Cap. Mfd.	D.C. Work Volts	Your Cost
D2767	.5	450	\$ .41
D2768	1.0	450	.53
D2769	2.0	450	.56
D2770	4.0	200	.50
D2771	10.0	100	.62
D2772	25.0	50	.65
D2773	10.0	25	.44
D2774	25.0	25	.59



### Tubular Cartridge Dry Electrolytic

Tubular dry electrolytics completely sealed by special metal caps in each end and impregnated with special insulating wax, insuring long and satisfactory life. Are  $2\frac{3}{4}$ " long; diameter given below. Shipping weight 1 lb.

Stock No.	Cap. Mfd.	D.C. Work Volts	Diameter	Your Cost
D2785	.5	450	$1\frac{1}{8}$ "	\$ .41
D2786	1.0	450	$1\frac{1}{8}$ "	.53
D2787	2.0	450	$1\frac{1}{8}$ "	.56
D2788	5.0	100	$1\frac{1}{8}$ "	.44
D2789	10.0	50	$1\frac{1}{8}$ "	.50
D2790	5.0	25	$1\frac{1}{8}$ "	.44
D2791	10.0	25	$1\frac{1}{8}$ "	.44
D2792	10.0	100	$1\frac{1}{8}$ "	.62
D2793	25.0	100	$1\frac{1}{8}$ "	.73

### Trutest Intermediate Tuning Condensers



These condensers are of the dual type. Isolantite bases, conditioned to resist moisture, and to maintain surface resistance. The principal use for these condensers is the tuning of intermediate frequency transformer stages in superheterodyne receivers. Materials are of the highest grade, as both the sensitivity and selectivity of the receiver are dependent upon the quality of these condensers. Size  $1\frac{1}{16}$ " for 2" shield.

Stock No.	Range	List	Your Cost Each
H9732	140-220	\$1.00	\$ .39
H9733	70-140	.90	.35
H9734	10-70	.80	.30

### Trutest Adjustable Padding Condensers

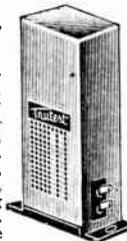
These Trutest Condensers; single type, are used for trimming aligning compensating and padding, or wherever a high quality compact adjustable condenser is required. The same high quality materials as in the dual type is used for these.

Stock No.	Range	Your Cost
H9735	140-220	\$ .25
H9736	70-140	.22
H9737	10-70	.20



### Trutest Super Power Condensers

These filter condensers are all non-inductively wound. The dielectric material employed is 100% pure linen paper, free from acid, alkali, bleaching material and impurities. They are thoroughly impregnated.



Cat. No.	Capacity	D.C.W.V.	Your Cost
E5440	1. mfd.	400	\$0.49
E5441	2. "	400	.75
E5442	4. "	400	1.45
E5443	1. "	600	.70
E5444	2. "	600	1.19
E5445	4. "	600	1.95
E5446	1. "	800	.90
E5447	2. "	800	1.59
E5448	1. "	1000	1.20
E5449	2. "	1000	2.45
E5450	4. "	1000	4.25

### Hammarlund Equalizer

This is a very tiny equalizing condenser, having a capacity range of from 25 mfd to 80 mfd. maximum. These petite condensers are very efficient for use as neutralizing and balancing condensers. Can be attached directly to condenser or to binding post of socket. Is also useful for balancing multiple tuned circuits, or for equalizing gang condensers are also used for antenna trimmers. Has a high grade mica dielectric, with flexible phosphor bronze plates and a moulded bakelite base. The size of base is  $1\frac{1}{4}$ " by  $1\frac{1}{8}$ ".



H9749—		
Per Dozen	\$1.35	
Your Cost Each		12c

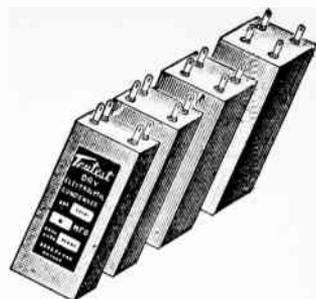
Perfect Merchandise - Prompt Shipment - Personal Service



# Trutest

## DRY

### ELECTROLYTIC CONDENSERS



**Trutest Dry Electrolytic Condensers** offer the widest selection available. Their unusual value for replacement use results both from mechanical adaptability and the superior performance, with higher voltage protection, which are inherent features of "Trutest Unsurpassed Quality."

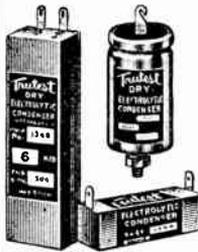
The capacity of **Trutest Dry Electrolytic Condensers** is practically constant over a wide frequency range. The excellent power factor characteristic of these units, under normal temperature conditions, means that electrostatic and effective capacities are practically the same, resulting in efficient filtering.

**Trutest Dry Electrolytic Condensers** measured under variable voltage conditions at a temperature of 25 deg. centigrade, show less than .2 M. A. leakage at the rated peak voltage of 500 volts. All types of **Trutest Capacitors** may be used with utmost confidence in their reliability.

#### Multiple Sections

Stock No.	Cap'y Mfd.	Can At Anodes Diam., Ins.	Your Cost	Six For
D3316	8-8	2 1/2	\$1.15	\$6.55
D3330	9-9	2 1/2	1.25	7.15
D3325	5-15	2 1/2	1.30	7.40
D3327	8-18	3	1.65	9.40
D3331	18-18	3	2.25	12.80
D3318	4-4-4	2 1/2	1.35	7.60
D3318	8-8-8	3	1.60	9.10
D3320	9-9-18	3	2.30	13.10
D3319	8-8-8-8	3 1/4	2.10	12.00
D3321	8-8-18-18	3 1/4	3.25	18.50
D3322	9-9-18-18	3 1/4	3.25	18.50

#### Plain Cardboard Filter and General By-Pass Units



Suitable for use in the manufacture of radio sets or for replacement work to substitute for wax paper condenser blocks. They are light and compact and can be mounted in any position. Used for Filter sections, Cathode and "C" Bias by-pass condensers.



Cardboard type, two heavy mounting flanges, mounts under chassis. Separate terminals for each section. 4 1/8" length.

Stock No.	Capacity mfd.	Size	Your Cost Each	Six For
D3369	8	1 1/4 x 1 1/4	\$0.49	\$2.80
D3370	4-4	1 3/8 x 1 1/4	.70	4.00
D3371	4-6	1 3/8 x 1 1/4	.80	4.55
D3372	4-8	1 3/8 x 1 1/4	.90	5.10
D3373	6-6	1 3/8 x 1 1/4	.90	5.10
D3374	6-8	1 3/8 x 1 1/4	1.00	5.70
D3375	8-8	1 3/8 x 1 1/4	1.05	6.00



#### Single 8 Mfd.

This Trutest 8 mfd. 500v peak Condenser is used in new installations and replacements. Designed for filtering of rectified current, and not injured by current surges. In round aluminum can, of standard size, fits hole for 3/8" studs. Can is insulated from the condenser sections, and not grounded. Color coded wire leads. Guaranteed. Shipping weight 1 lb. Six for \$3.10.

D3315 - List \$1.10  
Your Cost Each ..... **54¢**

#### Trutest 8 Mfd. Cardboard Container

This 8 mfd. 500v peak condenser is similar to above, excepting that it has a waxed cardboard container. Used for set building; in replacement work, and to substitute for old type wax paper condensers. Is thoroughly insulated. Size 4 1/4 x 1 1/2 x 1 1/8". Shipping weight 1 lb. Six for \$2.55.

D3314 - List \$1.00  
Your Cost ..... **45¢**



#### Single and Dual Sections

Single and Dual Sections furnished in round aluminum cans, of one standardized size, fitting any single mounting hole designed for 3/8" studs. The cans are not grounded and are adequately insulated from the condenser sections. Color coded 6" wire leads. 500 volt peak voltage.

Stock No.	Cap'y Mfd.	Your Cost Each	Six For
D3323	4	\$0.44	\$2.50
D3332	6	.50	2.85
D3333	10	.75	4.30
D3334	12	1.00	5.70
D3326	4-4	.75	4.30
D3335	4-8	.95	5.40
D3336	6-6	.95	5.40

#### Cardboard Container—500 Volts Peak

Stock No.	Cap'y Mfd.	Size	Your Cost Each	Six For
D3346	4	4 1/4 x 1 1/2 x 1 1/8"	\$0.36	\$2.05
D3347	6	4 1/4 x 1 1/2 x 1 1/8"	.42	2.40
D3348	8	4 1/4 x 1 1/2 x 1 1/8"	.43	2.45
D3349	10	4 1/4 x 1 1/2 x 1 1/8"	.65	3.70
D3350	12	4 1/4 x 1 1/2 x 1 1/8"	.75	4.30

#### Cardboard By-Pass Size Container

Stock No.	Cap'y Mfd.	Peak Voltage	Your Cost Each	Six For
D3351	2	500	\$0.32	\$1.85
D3352	4	220	.34	1.95
D3353	10	50	.34	1.95
D3354	25	25	.38	2.15

#### Low Voltage Electrolytic Condensers

##### Round Cans with 1/2" Mounting Studs

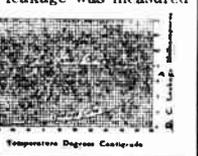
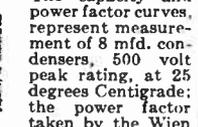
Stock No.	Cap'y Mfd.	Volts.	Size	Your Cost Each	Six For
D3355	10	25	1 1/2"	\$0.40	\$2.30
D3356	25	25	1 1/2"	.45	2.55
D3357	10	50	1 1/2"	.44	2.50
D3358	25	50	1 1/2"	.50	2.85
D3359	4	220	2 1/2"	.38	2.15

#### Effect of Frequency Changes on Capacity and Power Factor

The capacity and power factor curves, represent measurement of 8 mfd. condensers, 500 volt peak rating, at 25 degrees Centigrade; the power factor taken by the Wien bridge method. The curves clearly show the capacity of the Trutest Dry Electrolytic Condensers remains almost constant from 60 to 6000 cycles, and the power factor remains very low, under all ordinary operation conditions.

#### Capacity and D. C. Leakage at Varying Temperatures

Curves show average variation in capacity and D. C. leakage, under changing temperature conditions. They represent measurements of 8 mfd. 500 volt peak rating Trutest Dry Electrolytic Condensers. D. C. leakage was measured at 500 volts, after the application of voltage for five minutes. The capacity remained practically constant throughout a temperature range of from 40 to 80 deg. Centigrade.



#### Multiple Sections



These multiple section condensers are made in two styles. One in plain cardboard container, used for sub-base and sub-panel mounting; the other in a rectangular aluminum can, for mounting above the base, on and about the chassis. The condenser sections are thoroughly insulated from each other. Separate terminals are brought out from each section. The capacity of these condensers is practically constant over a wide frequency range, with low power factor under any ordinary conditions of use. Over-all height 4 3/8". Are of 500 volt D. C. peak voltage, unless otherwise listed.

#### Plain Cardboard, Dual Sections. Compact, electrolytic, for A. C. and D. C. sets.

Stock No.	Capacity Mfds.	Working Voltage	Size	Your Cost Each
D3361	4-4	200		\$0.45
D3362	5-5	35		.39

#### Plain Cardboard, Multiple Sections. 500 volts D. C. peak.

Stock No.	Cap. in Mfds.	Size	Your Cost Each	Six For
D3337	4-4	1 3/8 x 1 1/4"	\$0.70	\$4.00
D3338	4-6	1 3/8 x 1 1/4"	.80	4.50
D3339	4-8	1 3/8 x 1 1/4"	.90	5.10
D3340	6-6	1 3/8 x 1 1/4"	.90	5.10
D3341	6-8	1 3/8 x 1 1/4"	1.00	5.70
D3342	8-8	1 3/8 x 1 1/4"	1.05	6.00
D3364	4-4-4	2 1/8 x 1 1/8"	1.00	5.70
D3365	6-6-6	2 1/8 x 1 1/8"	1.15	6.55
D3366	8-8-8	2 1/8 x 1 1/8"	1.40	8.00

#### Rectangular Aluminum Cans

Single and multiple sections. 500 volts D. C. peak.

Stock No.	Cap. in Mfds.	Size	Your Cost Each	Six For
D3302	S-4		\$0.48	\$2.75
D3303	S-8		.58	3.30
D3343	4-6	1 3/8 x 1 1/4"	.90	4.90
D3344	4-8	1 3/8 x 1 1/4"	.98	5.65
D3345	6-8	1 3/8 x 1 1/4"	1.10	5.25
D3305	4-4-4	2 1/8 x 1 1/8"	1.08	6.15
D3306	6-6-6	2 1/8 x 1 1/8"	1.30	7.40
D3307	8-8-8	2 1/8 x 1 1/8"	1.60	9.00

#### Trutest Dry Electrolytic Cartridge Condensers



Enclosed in waxed cardboard containers with metal ends and 1 1/4" tinned wire leads. Hermetically sealed. Very convenient to use. Compact.

Stock No.	Cap'y Mfd.	Work Volts	Your Cost Each	Six For
D3380	5	25	\$0.20	\$1.15
D3381	10	25	.23	1.30
D3382	25	25	.25	1.40
D3383	50	25	.30	1.70
D3384	5	50	.25	1.40
D3295	10	50	.30	1.70
D3297	25	50	.38	1.15
D3387	5	110	.30	1.70
D3388	10	110	.40	2.40
D3389	1	220	.30	1.70
D3390	2	220	.35	2.00
D3391	4	220	.40	2.25

# Trutest

## By Pass and Electrolytic Condensers

### Multi-Unit By-Passes



Stock No.	Cap'y	Volts	Your Cost Each
D3273	.1-1	200	\$0.27
D3274	.1-1-1	200	.37
D3275	.25-25	200	.32
D3276	.5-5	200	.41

### MULTI-UNIT FILTER

In Drawn Metal Containers			
Stock No.	Cap'y	Volts	Your Cost Each
D3281	.1-1	300	\$0.31
D3282	.25-25	300	.40
D3283	.5-5	300	.54
D3277	.1-1	400	.30
D3278	.1-1-1	400	.42
D3279	.25-25	400	.42
D3280	.5-5	400	.53

### TRUTEST Assorted By-Pass Condensers



A very handy assortment for the Service Man. Contains 12 of the most popular capacities in drawn metal cans; assorted as follows. Shipping weight 3 lbs.

No.	Cap'y	Mfd.	Volts	Your Cost
1	.1		200	
1	.25		200	
2	.5		200	
2	1.		200	
1	.1		300	
1	.25		300	
1	.5		300	
1	1.		300	
1	.5		400	
1	1.		400	
<b>D3289—</b>				<b>\$3.25</b>

### Trutest Dry Electrolytic Condenser Kit



Every Service Man and Shop should have this Kit of Valuable Dry Electrolytic Condensers. No matter what type or model receiver is being serviced, these replacements will serve the purpose. You are prepared to service over thousands of sets with this kit. Electrolytic sections are of the dry type. All negative terminals are grounded to the can on the Multiple

Upright Types, other types have color coded leads or lugs. One each of the following types in this Kit. Shipping weight 3 lbs.

Cardboard Type		500 VOLT PEAK VOLTAGE	Capacity Mfd.	Can Diam.
4	4 1/2 x 1 1/2 x 5/8		8	Inverted
6	4 1/2 x 1 1/2 x 7/8		10	Inverted
8	4 1/2 x 1 1/2 x 1 1/4		12	Inverted
10	4 1/2 x 1 1/2 x 1 1/2		8-8	2 1/2"
12	4 1/2 x 1 1/2 x 1 3/4		8-8-8	3"
4-8	4 1/2 x 1 1/2 x 1 1/4			
6-8	4 1/2 x 1 1/2 x 1 1/4			

**D3304— Complete Kit as above \$8.95**

### Trutest By-Pass Condensers

Trutest By-pass Condensers are made from the finest quality paper and foil. Universal mounting types, and compactness for general purpose work. Hermetically sealed in drawn aluminum cans. Each condenser unit tested at 1000 volts D. C. Assuring you of a quality replacement.



Stock No.	Cap'y	Volts	Your Cost Each
D3260	.1	200	\$0.18
D3261	.25	200	.21
D3262	.5	200	.26
D3263	1.0	200	.30
D3264	2.0	200	.54
D3265	.1	300	.18
D3266	.25	300	.22
D3267	.5	300	.29
D3268	1.0	300	.43
D3269	.1	400	.20
D3270	.25	400	.25
D3271	.5	400	.33
D3272	1.0	400	.43



### Sangamo Mica Condensers

Stock No.	Capacities Mfd.	Yours Cost
D3050	0.00004 40	\$0.23
D3051	0.00005 50	.23
D3052	0.0006 60	.23
D3053	0.0001 100	.23
D3054	0.00015 150	.23
D3055	0.0002 200	.23
D3056	0.00025 250	.23
D3057	0.0003 300	.23
D3058	0.00035 350	.23
D3059	0.0004 400	.23
D3060	0.0005 500	.23
D3061	0.001 1000	.29
D3062	0.0012 1200	.29
D3063	0.0015 1500	.29
D3064	0.002 2000	.29
D3065	0.0025 2500	.29
D3066	0.003 3000	.35
D3067	0.0035 3500	.35
D3068	0.004 4000	.35
D3069	0.005 5000	.41
D3070	0.006 6000	.50
D3071	0.007 7000	.53
D3072	0.008 8000	.59
D3073	0.01 10000	.67
D3074	0.012 12000	.70

### 5000 VOLT

D3076—	.0005	D3080—	.0005
D3077—	.0001	D3081—	.002
D3078—	.00015	D3082—	.001
D3079—	.00025		
<b>Your Cost Each.....</b>		<b>\$1.17</b>	

### Sprague



The most popular type of Sprague Midget Condensers used. Can be used as general by-pass, stopping and grid condensers. Ideal for Midget sets and automobile receivers. High voltage Midget Condensers tested to 500 volts, suitable for continuous operation at 500 volts. Easy to handle.

Stock No.	Cap'y	Your Cost Each	Per Doz.
D4225	.01-.01	\$0.15	\$1.50
D4226	.01	.07	.75

### These Handy Strips Should Be in Every Serviceman's Tool Kit

Furnished in the following Handy Strips—containing one each of the following cartridge condensers:

Strip "A"		Strip "B"	
.01	200 volt	.02	200 volt
.05	200 volt	.2	200 volt
.1	200 volt	.25	200 volt
.5	200 volt	.1-1	200 volt
.01	400 volt	.02	400 volt
.05	400 volt	.2	400 volt
.1	400 volt	.25	400 volt
.5	400 volt	.1-1	400 volt
.01	600 volt	.05-.05	400 volt
.02	600 volt	.006	600 volt
.015	600 volt	.004	600 volt
.1	600 volt	.005	600 volt

**D3000—Strip "A" \$1.50**  
**Your Cost**  
**D3001—Strip "B" \$1.70**  
**Your Cost**

### Cornell "Cub" Cartridge Condensers

Tubular paper Condensers thoroughly impregnated in wax. The handiest type to use.



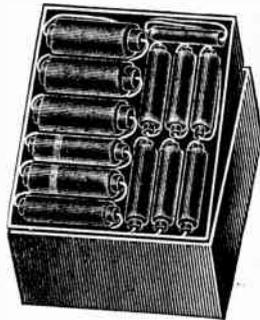
Stock No.	Cap'y	Diam.	Work In.	Your Cost	Stock No.	Cap'y	Diam.	Work In.	Your Cost
D3200	.01	.440	200	\$0.10	D3215	.06	.580	400	\$0.14
D3201	.02	.580	200	.10	D3216	.1	.580	400	.13
D3202	.03	.580	200	.10	D3217	.2	.775	400	.15
D3203	.05	.580	200	.10	D3218	.25	.775	400	.17
D3204	.1	.580	200	.10	D3219	.3	.975	400	.19
D3205	.2	.775	200	.14	D3220	.5	.975	400	.24
D3206	.25	.775	200	.12	D3221	.1-1	.975	400	.22
D3207	.3	.775	200	.16	D3222	.05-.05	.975	400	.22
D3208	.5	.975	200	.16	D3223	.004	.440	600	.10
D3209	.1-1	.975	200	.18	D3224	.005	.440	600	.10
D3210	.2-2	.975	200	.23	D3225	.006	.440	600	.10
D3211	.01	.440	400	.10	D3226	.01	.440	600	.10
D3212	.02	.580	400	.12	D3227	.015	.580	600	.12
D3213	.05	.580	400	.12	D3228	.02	.580	600	.12
D3214	.05	.580	400	.13	D3229	.1	.775	600	.17

### Cornell Cub Cartridge Condenser Kit

Here is a kit that contains 25 of the most popular capacities used to service every make and type of receiver. Every service man should have this Kit in his shop. You are prepared at all times to properly service for condenser trouble. The following are the capacities and voltage ratings:

Units	Cap.	Volts	Units	Cap.	Volts
4	.01	400	2	.05	400
4	.02	600	2	.05-.05	400
4	.1	200	2	.5	400
3	.1	600	2	.5	200
2	.006	600			

Complete Kit of 25. Shipping weight 4 lbs.  
**D3239—Your Cost \$3.35**



### Cornell "Cub" Condenser Kit

This Condenser Kit contains an assortment of the most popular capacities used in the leading sets. Units are rugged, compact, reliable and stand up under the most rigid operating conditions. With this Kit any Radio Receiver can be quickly serviced with dependable condensers. This kit can be kept complete by re-stocking with standard "Cub" Condensers. Kit contains the following capacities, and their working voltages. Shipping weight 4 lbs.

Units	Cap'y	Volts	Units	Cap'y	Volts
2	.0001	600	3	.01	400
3	.00025	600	6	.02	400
2	.001	400	4	.05	400
2	.002	400	6	.1	200
3	.006	400	6	.1	400

**D3238—List Price \$18.00**  
**Your Cost Per Kit \$6.95**

### "Cub" Condenser Clips



Type "A" Horizontal				Type "B" Vertical			
Stock No.	Diam.	List Cost		Stock No.	Diam.	List Cost	
D3241	.440"	\$.05	\$.03	D3245	.440"	\$.105	\$.05
D3242	.580"	.05	.03	D3246	.580"	.10	.05
D3243	.775"	.10	.05	D3247	.775"	.15	.08
D3244	.975"	.10	.05	D3248	.975"	.15	.08

## Aerovox Hi-Parad Dry Electrolytic Condensers

(Cardboard Containers)



These units have exactly the same electrical characteristics as the Hi-Parad Dry Electrolytics in metal containers but have been enclosed in paper to reduce their cost to a minimum. Sturdily constructed with terminals securely riveted. Operate perfectly over a wide range of temperatures. May be mounted very close to each other without causing electrostatic coupling. Peak voltage 500 volts.

Stock No.	Capacity	L.	Size W.	D.	Net Each
D3526	2	2 1/2	1 3/8	5/8	\$0.57
D3527	4	4 1/8	1 3/8	5/8	.66
D3529	6	4 1/8	1 3/8	5/8	.78
D3530	8	4 1/8	1 3/8	5/8	.87
D3532	4-4*	4 1/8	1 3/8	1 1/4	1.08
D3528	4-6*	4 1/8	1 3/8	1 1/4	1.17
D3533	4-8*	4 1/8	1 3/8	1 1/4	1.26
D3531	6-6*	4 1/8	1 3/8	1 1/4	1.26
D3534	6-8*	4 1/8	1 3/8	1 1/4	1.35
D3535	8-8*	4 1/8	1 3/8	1 1/4	1.47

(\* ) Dual section; capacity of each section.

## Wire Wound Resistors Type 986



Designed especially for use in A. C. filament circuits. All terminals are solidly anchored, the units are center tapped and the terminal lugs are designed to simplify mounting and connections. Guaranteed accuracy 10%. Available in the following resistance values: (state value wanted).

10 ohms	30 ohms	50 ohms	100 ohms
20 ohms	40 ohms	60 ohms	200 ohms

**Your Cost Each..... 15¢**



### Type 981

Wire wound on flat fibre strips. The extremely low inductance and distributed capacity of these units make them ideally suited for use as grid suppressors. Available in following ohmage (state value wanted):

100 ohms	250 ohms	500 ohms	750 ohms
1000 ohms			

**D3971—Specify size. Your Cost Each..... 12¢**  
**1250 ohms 1500 ohms 2000 ohms**  
**D3972—Specify size. Your Cost Each..... 18¢**

## Aerovox Resistor Mountings



Takes any standard grid leak or resistor. Bakelite base, phosphor bronze clips.  
**D3990—Single Your Cost Each..... 15¢**  
**D3991—Double Your Cost Each..... 30¢**

## Carbon Resistors

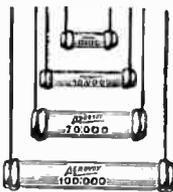


Absolutely noiseless and permanent on full load. Either type available in the following resistances:

Ohms	Ohms	Megohms
100	10000	3.0
250	150000	4.0
500	200000	5.0
750	240000	6.0
1000	Megohms	7.0
2500	.25	8.0
5000	.5	9.0
7500	.75	10.0
10000	1.0	15.0
25000	1.5	20.0
50000	2.0	25.0

**X20198—Type 1095, 1/2 watt.**  
**X20199 Type 1094, 1 watt.**  
 List Price Each, 25¢  
**Your Cost, Either Size... 15¢**  
 State Size and Resistance wanted.

## Aerovox Cement-coated Wire Wound Resistors



Designed especially to meet requirements for low priced high resistance units of small dimensions and high wattage carrying capacity. They are wound on porcelain tube with special high grade wire of low temperature co-efficient. Entire unit coated with a newly developed refractory compound which will not chip or crack. Have terminal leads 2" long.

Stock No.	Resist. Ohms	List Price (1/4 x 1")	Your Cost
X20200	500		
X20201	1000	\$0.35	\$0.21
X20202	5000		
X20203	10000		
<b>10 WATTS (1/4 x 1 1/2")</b>			
X20204	1000		
X20205	5000	.35	.21
X20206	10000		
X20207	20000		
<b>15 WATTS (1/2 x 2")</b>			
X20209	5000		
X20210	10000		
X20211	20000	.65	.39
X20212	30000		
X20214	50000		
X20215	70000		
<b>20 WATTS (1/2 x 3")</b>			
X20217	20000		
X20218	30000		
X20219	40000	.75	.45
X20220	50000		
X20221	75000		
X20222	100000		

## Hi-Parad Dry Electrolytic Condensers



Contain no liquid to spill or freeze. May be mounted in any position.

These Aerovox DRY Electrolytic Condensers are the latest development in the field. Their DRY characteristics make it possible to mount them upright, horizontally or at any desired angle. All units are made

for universal mounting. They may be handled and mounted in the same manner as wax paper unit. Their cost per Microfarad is very low which permits the attainment of a high degree of filtering with consequent improvement in tone and elimination of hum. Their high voltage characteristics (500 volts D.C. peak without series connection) permits their practical use in most of the standard comparatively high voltage power supply filter circuits. Self healing and surge proof. Compact and light in weight. Unaffected by temperature. Leakage current very low.



## Type E Upright Mountings

Stock No.	Cap'y of Peak Secs.	D.C. Volts	Size Inches Di.—Hi.	Your Cost
D3502	4	500	1 3/8 x 2 3/8	\$0.84
D3493	4-4	500	2 1/8 x 4 1/8	1.59
D3494	4-4-4	500	3 x 4 1/8	2.25
D3495	6	500	1 3/8 x 4 1/8	.96
D3496	6-6	500	2 1/8 x 4 1/8	1.80
D3497	6-6-6	500	3 x 4 1/8	2.49
D3503	8	500	1 3/8 x 4 1/8	1.02
D3504	8-8	500	2 1/8 x 4 1/8	1.95
D3505	8-8-8	500	3 x 4 1/8	2.70
D3506	8-8-8-8	500	3 x 4 1/8	3.60
D3507	2-4-8	500	3 x 4 1/8	2.40
D3508	2-8-8	500	3 x 4 1/8	2.85
D3498	8-16	500	2 1/8 x 4 1/8	2.28
D3499	8-8-16	500	3 x 4 1/8	3.60
D3500	5	200	1 3/8 x 2 3/8	.81
D3512	10	200	1 3/8 x 4 1/8	.93
D3501	15	200	1 3/8 x 4 1/8	1.05
D3517	20	200	1 3/8 x 4 1/8	1.20
D3518	25	200	2 1/8 x 4 1/8	1.50
D3519	50	200	2 1/8 x 4 1/8	2.25
D3524	75	200	3 x 4 1/8	3.15
D3513	25	25	1 3/8 x 1 3/8	.63
D3514	1500	12	1 1/4 x 4 1/8 x 5 1/8	2.10
D3515	2000	12	1 1/4 x 4 1/8 x 5 1/8	2.40
D3536	4000	12	2 1/8 x 4 1/8 x 5 1/8	4.50

Prices include Units Complete with Mounting Rings

## Type I Inverted Insulated Mounting

Stock No.	Cap'y of Peak Secs.	D.C. Volts	Size Inches Di.—Hi.	Your Cost
D3520	4	500	1 3/8 x 2 3/8	\$0.84
D3521	6	500	1 3/8 x 4 1/8	.96
D3522	8	500	1 3/8 x 4 1/8	1.02
D3523	10	500	1 3/8 x 4 1/8	1.26
D3537	12	500	1 3/8 x 4 1/8	1.35

## Aerovox Uncased Replacement Condensers



These condensers are the same as the standard filter condenser, built and rated to operate safely at working voltages stated. Wrapped in cellophane. Suitable for all replacement work, and a quality substitute for all old waxed paper condensers wherever used.

Stock No.	Cap'y D.C. Volts	Size Inches L. W. D.	Your Cost
D3766	.1	200 1 1/8 x 5/8 x 3/4	\$0.15
D3767	.25	200 1 1/8 x 5/8 x 3/4	.21
D3768	.5	200 1 1/8 x 1 1/8 x 5/8	.26
D3769	1.0	200 1 1/8 x 1 1/8 x 5/8	.36
D3770	2.0	200 1 1/8 x 1 1/8 x 5/8	.60
D3771	2.0	200 4 3/8 x 1 3/8 x 1 1/8	.36
D3772	2.0	200 4 3/8 x 1 3/8 x 1 1/8	.60
D3773	.1	400 1 1/8 x 5/8 x 3/4	.18
D3774	.25	400 1 1/8 x 5/8 x 3/4	.24
D3775	.5	400 1 1/8 x 5/8 x 3/4	.36
D3776	1.0	400 1 1/8 x 2 1/8 x 5/8	.57
D3777	2.0	400 1 1/8 x 2 1/8 x 5/8	.57
D3778	2.0	400 4 3/8 x 1 7/8 x 1 3/8	.57
D3779	2.0	400 4 3/8 x 1 7/8 x 1 3/8	.39
D3780	.1	600 4 1/8 x 1 7/8 x 1 1/8	.21
D3781	.25	600 4 1/8 x 1 7/8 x 1 1/8	.29
D3782	.5	600 4 1/8 x 1 7/8 x 1 1/8	.38
D3783	1.0	600 4 1/8 x 1 7/8 x 1 1/8	.78
D3784	.1	1000 1 1/8 x 1 5/8 x 1 1/8	.30
D3785	.5	1000 4 3/8 x 3 7/8 x 1 1/8	.93
D3786	1.0	1000 4 3/8 x 3 7/8 x 1 1/8	1.59

## Mica Assortment Type 1460



A good selection of capacities in general use. Genuine Aerovox Type 1460 molded Bakelite units, sealed and protected against extreme temperature,

moisture and chemical action. The dielectric is of finest grade India Ruby Mica and plates are tinfoil. Condenser element thoroughly impregnated. Size of units, 1 1/2" and 1" mounting centers 5/8" wide. Combination mounting type. Kit consists of the following units: 3—.0001, 3—.0002, 5—.00025, 3—.0005, 3—.001, 3—.002, 2—.003 and 2—.004 Mfd. Shipping weight 4 lbs. **D3800—Kit of 24 Units. \$3.43**  
**Your Cost.....**

## Type "S" Screw Mounting, Top Connected

Here is a very compact dry type of Electrolytic Condenser, especially suitable for all general purpose By-Pass filtering. Used generally for Pentode C Bias By-Pass. Can be mounted either on top of panel or under chassis. Self-healing and surge proof. Ideal for all Midget receivers.



500 Volts D. C. Peak, working volts, 450.

Stock No.	Capacity	Size Inches High	Your Cost
D3540	1	1 3/8 x 2 3/8	\$0.60
D3541	2	1 3/8 x 2 3/8	.72
D3542	4	1 3/8 x 2 3/8	.84

## Type PR Condenser

This type condenser is very useful in circuits where the voltage is low and the capacity necessary is high. Are used for the by-passing of "C" bias resistors in audio frequency circuits, for by-passing in audio amplifiers, for by-passing the "C" bias circuit of second detector of Superhet circuits, etc.

Stock No.	Mfd. Volts	Size Inches L. W. D.	Your Cost
D3752	50	6 5/8 x 2 1/4	\$0.63
D3753	10	25 5/8 x 2 1/4	.45
D3754	25	25 5/8 x 2 1/4	.60
D3755	50	50 5/8 x 2 1/4	.51
D3756	25	50 1 1/8 x 2 1/4	.66
D3757	5	100 5/8 x 2 1/4	.45
D3758	10	100 1 1/8 x 2 1/4	.63
D3759	25	100 1 1/8 x 2 1/4	.75
D3760	4	150 1 1/8 x 2 3/8	.45
D3761	8	150 1 1/8 x 2 3/8	.60
D3762	2	200 1 1/8 x 2 3/8	.45
D3763	4	200 1 1/8 x 2 3/8	.51
D3764	8	200 1 1/8 x 2 3/8	.66



### Aerovox Cartridge Condensers

Especially suitable for radio service work because of their high quality and low cost. Wax impregnated, paper wrapped. Very compact. Non-inductive. High insulation resistance.

Stock No.	Cap'y	Working Voltage	Net Each	Your Cost
D3911	.01	200	\$.12	
D3913	.02	200	\$.12	
D3914	.03	200	\$.14	
D3915	.05	200	\$.16	
D3916	.1	200	\$.21	
D3917	.25	200	\$.30	
D3918	.5	200	\$.33	
D3933*	.1-1	200	\$.33	
D3919	.006	400	\$.14	
D3920	.01	400	\$.14	
D3921	.015	400	\$.14	
D3922	.02	400	\$.14	
D3923	.03	400	\$.14	
D3924	.05	400	\$.16	
D3925	.1	400	\$.19	
D3926	.25	400	\$.30	
D3934*	.1-1	400	\$.43	
D3905	.006	600	\$.16	
D3906	.01	600	\$.16	
D3907	.02	600	\$.16	
D3908	.05	600	\$.18	
D3909	.1	600	\$.24	
D3927	.006	1000	\$.21	
D3928	.01	1000	\$.21	
D3929	.02	1000	\$.21	
D3931	.03	1000	\$.21	
D3932	.05	1000	\$.27	

\* Dual Sections; capacity of each section.



### Type 1467 Mica

Equipped with wire leads for connections. Size  $2\frac{1}{2}$ " square. Ruby mica dielectric thoroughly impregnated. D. C. working voltage, 250.

Stock No.	Cap'y	List Price	Your Cost
D3787	.00004	\$.20	\$.12
D3788	.00005	\$.20	\$.12
D3789	.00007	\$.20	\$.12
D3790	.000075	\$.20	\$.12
D3791	.0001	\$.20	\$.12
D3792	.00015	\$.20	\$.12
D3793	.0002	\$.20	\$.12
D3794	.00025	\$.20	\$.12
D3795	.00037	\$.25	\$.15
D3796	.0005	\$.25	\$.15
D3797	.001	\$.25	\$.15
D3798	.0015	\$.35	\$.21
D3799	.002	\$.35	\$.21



### Type 1450 Mica

Moulded in bakelite. Capacity predetermined by a patented process. Not affected by extreme temperature, moisture and chemical action. Size  $1\frac{1}{4}$ " square. Working volt. 500.

Stock No.	Capacity	List	Net	Your Cost
D3844	.00004	\$.30	\$.18	
D3845	.00005	\$.30	\$.18	
D3846	.00007	\$.30	\$.18	
D3847	.000075	\$.30	\$.18	
D3848	.0001	\$.30	\$.18	
D3849	.00015	\$.30	\$.18	
D3850	.0002	\$.30	\$.18	
D3851	.00025	\$.30	\$.18	
D3852	.00037	\$.30	\$.18	
D3853	.0005	\$.30	\$.18	
D3854	.001	\$.30	\$.18	
D3855	.0015	\$.35	\$.21	
D3856	.002	\$.35	\$.21	
D3857	.0025	\$.35	\$.21	
D3858	.003	\$.45	\$.27	
D3859	.004	\$.45	\$.27	
D3860	.005	\$.45	\$.27	
D3861	.006	\$.55	\$.33	
D3862	.0075	\$.65	\$.39	
D3863	.01	\$.75	\$.45	
D3864	.015	\$.90	\$.54	
D3865	.02	1.05	\$.63	
D3866	.025	1.65	\$.99	
D3867	.03	2.00	1.20	
D3868	.035	2.35	1.41	
D3869	.04	2.70	1.62	



### Type 1460 Mica

One of the most popular mica types with service men, experimenters and set builders. Has two holes through body for mounting, in addition to the two tinny lugs. Mounting centers either  $1\frac{1}{4}$ " or  $1\frac{1}{2}$ ". Ruby mica dielectric. Very compact. D. C. working volt. 450.

Stock No.	Capacity	List	Net	Your Cost
D3801	.00004	\$.20	\$.12	
D3802	.00005	\$.20	\$.12	
D3803	.00007	\$.20	\$.12	
D3804	.000075	\$.20	\$.12	
D3805	.0001	\$.20	\$.12	
D3806	.00015	\$.20	\$.12	
D3807	.0002	\$.20	\$.12	
D3808	.00025	\$.20	\$.12	
D3809	.00037	\$.25	\$.15	
D3810	.0005	\$.25	\$.15	
D3811	.001	\$.25	\$.15	
D3812	.0015	\$.35	\$.21	
D3813	.002	\$.35	\$.21	
D3814	.0025	\$.35	\$.21	
D3815	.003	\$.40	\$.24	
D3816	.004	\$.40	\$.24	



### Aerovox By-pass Condenser

These condensers are probably better known to manufacturers and service men than any line of by-passes on the market. Made of special foil, non-inductive dielectric, thoroughly impregnated, and compactly built. Sections are hermetically sealed in stamped metal cases, with terminal lugs on side, for convenient soldering. Are available in capacities and voltage ratings used in standard radio circuits, and are particularly suitable for all replacement work. Mounted by means of a strip on each side of the can, with  $\frac{3}{16}$ " hole.

### Type 60 Single Section

Size  $2\frac{1}{2}$ " long,  $1\frac{1}{8}$ " wide,  $\frac{7}{8}$ " high.

Stock No.	Cap'y	Working Mfd.	Volage	Your Cost
D3874	.05	200		\$.25
D3875	.1	200		\$.25
D3876	.25	200		\$.29
D3877	.5	200		\$.35
D3878	.05	300		\$.28
D3879	.1	300		\$.28
D3880	.25	300		\$.36
D3881	.05	400		\$.30
D3882	.1	400		\$.30
D3883	.25	400		\$.39

### Type 60 Multiple Section

D3884	.1-1	200	\$.39
D3885	.25-25	200	\$.48
D3886	.1-1-1	200	\$.54
D3887	.1-1	300	\$.42
D3888	.1-1	400	\$.45



### Aerovox Condensers for Auto Radios

Heat resisting, will withstand temperature of 160 degrees. D. C. working voltage: 200 at 115 degrees, 150 at 160 degrees. Drawn metal containers with encircling rugged steel mounting bracket.

Stock No.	Cap'y	Size In.	High	Your Cost
D3935	.5	$1\frac{1}{4}$	$2\frac{1}{2}$	\$.55
D3936	.75	$1\frac{1}{4}$	$2\frac{1}{2}$	\$.75
D3937	1.0	$1\frac{1}{4}$	$2\frac{1}{2}$	\$.84



**Type 61 Single Section**  
Size  $2\frac{1}{8}$ " long, 1" wide,  $1\frac{1}{8}$ " high (\* $1\frac{1}{8}$ " high).

Stock No.	Cap'y	Working Mfd.	Volage	Your Cost
D3889	1.	200		\$.51
D3890	.5	300		\$.48
D3891*	1.	300		\$.72
D3892	.5	400		\$.51

### Type 61 Multiple Section

Stock No.	Cap'y	Working Mfd.	Volage	Your Cost
D3893	.5-5	200		\$.63
D3894	.25-25	300		\$.60
D3895	.5-5	300		\$.81
D3896	.1-1-1	400		\$.72
D3897	.25-25	400		\$.66

**Type 62 Single Section**  
Size  $2\frac{3}{8}$ " long,  $2\frac{1}{4}$ " wide,  $1\frac{1}{8}$ " high (\* $1\frac{1}{8}$ " high).

Stock No.	Cap'y	Working Mfd.	Volage	Your Cost
D3898*	2.	200		\$.87
D3899	1.	400		\$.75

### Type 62 Multiple Section

D3900	1-1	200	\$.96
D3901	.5-5	400	\$.90



### Aerovox Filter Condensers

Non-inductive. Paper dielectric. Ideal for by-passing 90, 135 and 180 volt taps of voltage divider circuit. Thoroughly impregnated with special formula compound. The safety factor and insulation resistance are in excess of the R. M. A. standards. Metal cans.

Stock No.	Cap'y	Size	Inches	Your Cost
D3939	.1	$1\frac{3}{8} \times 1\frac{1}{2} \times \frac{5}{8}$	$\frac{5}{8}$	\$.33
D3940	1.0	$2\frac{1}{2} \times 1\frac{1}{2} \times \frac{5}{8}$	$\frac{5}{8}$	\$.54
D3941	2.0	$2\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{8}$	$1\frac{1}{8}$	\$.90
D3944	.1	$1\frac{3}{8} \times 1\frac{1}{2} \times \frac{5}{8}$	$\frac{5}{8}$	\$.39
D3945	1.0	$2\frac{1}{2} \times 1\frac{1}{2} \times \frac{5}{8}$	$\frac{5}{8}$	\$.81
D3946	2.0	$2\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{2}$	$1\frac{1}{2}$	1.35

## Aerovox Transmitting Condensers

### Paper Type

Designed for heavy duty power supply units. Ideal for use in all D. C. generators or rectified A. C. output circuits used to feed filter circuits of transmitters and heavy duty amplifiers. Non-inductively wound to provide good power factor and low equivalent series resistance characteristics. Oil impregnated.



Stock No.	Type	Cap'y	Volage	Size	Your Cost
D3560	1003	1	1000	$4 \times 5 \times 1\frac{1}{4}$	\$2.25
D3561	1003	2	1000	$4 \times 5 \times 2$	3.90
D3562	1503	1	1500	$4 \times 5 \times 2\frac{1}{2}$	3.75
D3563	1503	2	1500	$4 \times 5 \times 5$	6.45
D3564	2003	1	2000	$4 \times 5 \times 3$	6.30
D3565	2003	2	2000	$4 \times 5 \times 6\frac{3}{8}$	11.70
D3566	2503	1	2500	$4 \times 5 \times 5$	7.50
D3567	3003	1	3000	$4 \times 5 \times 6\frac{3}{8}$	9.60
D3568	3503	1	3500	$4 \times 5 \times 6\frac{3}{8}$	11.10

### Electrolytic

These high voltage dry electrolytic condensers represent a distinct advance in design of transmitting condensers. They will withstand their rated voltages for long periods of time without deterioration.



Stock No.	Type	Cap'y	Volage	Size	Your Cost
D3575	1004	1	1000	$2 \times 5 \times 1\frac{1}{8}$	\$2.10
D3576	1004	2	1000	$4 \times 5 \times 1\frac{1}{4}$	2.55
D3577	1004	4	1000	$4 \times 5 \times 1\frac{1}{2}$	3.00
D3578	1504	1	1500	$4 \times 5 \times 1\frac{3}{8}$	3.30
D3579	1504	2	1500	$4 \times 5 \times 1\frac{3}{8}$	3.90
D3580	1504	4	1500	$4 \times 5 \times 3\frac{1}{2}$	7.20
D3581	2004	1	2000	$4 \times 5 \times 3\frac{1}{2}$	4.35
D3582	2004	2	2000	$4 \times 5 \times 2$	5.25
D3583	2004	4	2000	$4 \times 5 \times 6\frac{3}{8}$	9.60
D3584	2504	1	2500	$4 \times 5 \times 3\frac{1}{2}$	5.70
D3585	2504	2	2500	$4 \times 5 \times 6\frac{3}{8}$	10.35
D3586	2504	4	2500	$4 \times 12\frac{1}{2} \times 5$	20.10
D3587	3004	1	3000	$4 \times 5 \times 3\frac{1}{2}$	6.90
D3588	3004	2	3000	$4 \times 5 \times 7\frac{1}{8}$	12.90
D3589	3004	4	3000	$4 \times 13\frac{1}{2} \times 5$	24.90
D3590	3504	1	3500	$4 \times 5 \times 6\frac{3}{8}$	8.25
D3591	3504	2	3500	$4 \times 9\frac{1}{2} \times 5$	15.60
D3592	3504	4	3500	$4 \times 19 \times 5$	30.60

## Pyrohm Center Tapped Filament Resistors



These center tapped resistors are designed for use across the filaments of transmitting tubes to obtain the electrical center of the filament. Made of the best grade resistance wire of a low temperature coefficient, wound on special tubes, coated with porcelain enamel, which is fired on, fully protecting the resistance wire against oxidation and accidental injury. Positive contact between wire and terminals. They will safely carry the plate and grid current of the tube without heating.

Stock No.	Resistance	Tube Filament Voltage
D3595	20	2.5
D3596	100	7.5
D3597	100	10.0

List \$1.00—Either type.  
**Your Cost**..... **60¢**  
Mounting Brackets for above, complete with threaded rod, nuts and washers.  
D3598..... **9¢**  
**Your Cost Per Pair**..... **9¢**

# ELECTRAD VOLUME CONTROLS



**Standard  
Controls**

## and new "SNAP-ON" SWITCH ASSEMBLY



**Snap-on  
A. C.  
Switch  
29¢**

Manufacturer	Stock No.	Your Cost
<b>A. C. Dayton Co.</b>		
AC63, AC65, AC66	G7904	\$0.59
Navigator	G7973	1.27
<b>All American Mohawk Co.</b>		
S-6, S-7, S-8	G7912	.59
Model 90, Model "J", Model "J" with Pentode	G7902	.59
AC-226, 227, 60, 61, 62, 65, 66	G7904	.59
Lyric, "J", "H", 96, 90, C6, 70, 73, 75, 80, 83, 84, 86, 88, Lyric Model D, A	G7902	.59
6 Tube Electric Set, Mohawk, Lyric K	G7904	.59
B-7	G7989	2.12
11-D, 19-D, 29-D, 34-D, 19-H, 29-H, 34-H	G8075	1.32
<b>Amrad Corporation</b>		
S-522, DC6, DC6-C, DC7, DC67-C, S733, S733-C, 80	G7905	.59
82, 83, 7100, 70, AC-7, AC-7-C	G7902	.59
AC-6, AC-6-C, 84	G7904	.59
81	G7905	.59
<b>Atwater Kent</b>		
43, 44, F, P, L1, L2	G7988	.92
55, 55C, 60, 60C, 61, 61C, 66	G7920	.59
55	G8076	1.59
H	G8016	1.85
82	G8026	1.19
80	G8023	.92
84, 84F	G8024	1.19
86, 86F	G8025	1.19
82DC	G8077	.92
82Q-85	G8027	.66
37, 38, 40, 42, 44, 52 (Strip)	G7952	.39
55, 60, 66 (Strip)	G7933	.39
89, 89F, 850, 92, 627	G7907	.59
87	G7919	.59
<b>Balkite Radio Co.</b>		
A-3, A-5, A-7	G7903	.59
B-7, B-9, F, C	G7902	.59
Models L-7, LC-7	G7912	.59
Model "E"	G7902	.59
<b>Bosch</b>		
35 Crusers, 57, 87, 66, 76, 76L, 46DC	G7905	.59
96, DC-96, 146, 166, 176, 16AC, 126, 107, 116	G7904	.59
62 DC, 44	G7910	.59
28, 29	G8000	.92
5-A, 205	G7996	1.06
40	G8038	.66
7A, 20, 20J, 20K, 20L, 31, 36, 73, 133, 135, 74	G8039	.92
80, 84	G8040	.66
60, 63	G8041	.66
100 (Auto Radio)	G8042	.66
48AC, 54DC	G8052	.45
242E, 250, 312	G7904	.59
250, 312 (Tone Control)	G7914	.59
<b>Bremer-Tully Mfg. Co.</b>		
6, 81, 82, 14, 21, 31, 31A	G7903	.59
6-40, Counterphase-8	G7904	.59
7-70, 7-71, 8-20, 8-21	G7902	.59
S-81, S-82, 83 (25 cycle)	G7910	.59
82, 82	G7913	.59
<b>Brunswick, Balke, Collender Co.</b>		
B-17, P, R, 17-8	G7936	.79
2KR, 5KR, 2KRO, 5KRO	G7937	.79
3KR8, 5KR6	G7939	.79
3NC8, 3NWR, 5NC8	G7939	.79
17, 24, 25, 4PA, VA	G7904	.59
S14, S21, S31, S81, S82	G7997	1.32
10, DC14, DC21, DC31	G7911	.59
RI	G7920	.59
D11, 12, 16, 33	G7931	.79
14, 21, 31	G7903	.59
31	G7922	.59
10	G7919	.59
<b>Colonial Radio Corp.</b>		
16-6, 16-5, 17-5, 20-21	G7905	.59
47, 48	G7912	.59
44, 50, 46	G7902	.59
Model No. 2	G8081	1.06
32 AC	G7978	1.32

The Serviceman will welcome the addition to this well known line of Volume Controls, "Snap-on" Switch Assembly. This is the most accurate and comprehensive listing of replacement Volume Controls ever presented by any Dealer's Supply House. Its contents have been checked and re-checked to insure its accuracy.

Enjoy the assurance that you are getting exactly the proper unit for the job. All Electrad Volume Controls that sell for 59c have extra long shafts to meet any mounting condition. These are supplied without A. C. switch. The new "Snap-on" Switch is made for use only with these controls selling for 59c. All other controls are made according to the specifications of originals.

Manufacturer	Stock No.	Your Cost
<b>Columbia Radio</b>		
Model SG-8	G8044	\$1.19
<b>Columbia Phonograph Co.</b>		
31, 33	G7919	.59
32, 34	G7912	.59
<b>Crosley Radio Corp.</b>		
602, 608, 609, 1 1/4" Shaft	G7972	.66
804 (Short Shaft)	G7959	.66
Buddy, Chum	G7916	.59
30S, 31S, 33S, 34S	G7913	.59
AC-7	G7923	.59
82S, 40S, 41S, 42S, 45S	G7966	.66
Early 40-S	G7967	.66
77, 84, 92, 28, 121, 121-1		
Series B, 127	G7904	.59
53	G7914	.59
54, 57, 58, 120, 55, 56	G7902	.59
705	G7929	.66
122	G7920	.59
125, 124	G7912	.59
610 (Female Shaft)	G7968	.79
706	G7928	.79
704, 704B, 705, 706DC, 706AC	G7998	.66
26	G8045	.66
59	G8082	.79
<b>Earl Radio Corp.</b>		
31, 32, 41	G7903	.59
21DC, 22DC, 24DC, 31DC, 32, SDC, 21AC, 22AC	G8017	1.32
<b>Edison Corp., Thomas A.</b>		
SC, C1, C2, E-175	G7964	.66
R-6, R-7	G7904	.59
R200	G7903	.59
Models R1, R2, R3	G7999	.79
(Front Unit, Regeneration Control)		
<b>Eveready</b>		
1, 2, 3	G8000	.92
34	G7917	.59
30, 40, 50	G7990	2.12
<b>Fada</b>		
41, 42, 44, 46, 47	G7907	.59
Model 45 (KU)	G7920	.59
472UA, CA, 45/72, 10, 11, 31, 10Z, 11Z, 30Z, 31Z, 50, 70, 71, 72	G7953	.66
26Z, 265UA, CA, RP65UA, RP62, UA, CA, 7AC, 475	G7952	.66
16, 17, 32, 16Z, 32Z, 18 DC, 1659-AB	G7919	.66
20, 20Z, 25, 25Z, 15M, 15MZ, 35, 35Z	G7927	.66
75, 77	G7921	.59
475-A, 471	G8061	.92
KY Chassis used in 66 Receiver, RE Chassis used in 73, 85 Receivers, RA Chassis used in 74, 76, 83, 87, 88, 89 Receivers	G7904	.59
KW Chassis used in 48, 49 Receivers (Neon Tube Control)	G8083	.59
RA Chassis used in 74, 76, 83, 87, 88, 89 (Neon Tube Control)	G7913	.59
KO, KOC Chassis used in 51, 53	G8083	.59
57, 45 Receiver	G8083	.59
RC Chassis used in 78, 79 Receivers	G8084	1.32

Manufacturer	Stock No.	Your Cost
<b>Freshman</b>		
Masterpiece, Equaphase	G7905	\$0.59
(I-Q-15, Q-16, 2H, M, 2N)	G7902	.59
H, K, L, LS	G7904	.59
<b>Freed-Eiseman Radio Corp.</b>		
NB7, 8, 9, 10, 12, 20, 40, FE15, 18, NR800, 77	G7905	.59
NR-60, 57, 70, NR30, DC & AC	G7902	.59
NR-78, 79, 95	G7903	.59
NR55, AC & DC	G7904	.59
<b>General Electric Co.</b>		
H-71, H-51, H-31	G7919	.59
H-32	G7926	.66
T-12	G7933	.66
K-62	G7934	.66
Model T-12-D	G7902	.59
<b>General Motors Radio Corp.</b>		
Six Junior, 6-61, 6, 6B, 5050, 35	G7905	.59
Day Fan Nos. 8AC, 5003, 5091, 5077, 5080	G7902	.59
216, 217, 219, 250	G7912	.59
Chassis S1A, S1B	G8057	1.06
Chassis S2A, S2B, S3A, S3B, Models 252, 253, 254, 255, 256, 257, 258	G8058	1.06
Chassis S4A, S4B	G8085	1.06
<b>Graybar Electric Co.</b>		
311	G7937	.79
600	G8018	1.59
706, 770, 900	G7943	.79
<b>Grebe &amp; Co., A. H.</b>		
AC6, AC7, 428, HS-4	G7902	.59
AH1	G7918	.59
SK-4AC	G8086	.66
HS-4 Models 1, 2, 3, 4	G7903	.59
SK4DC	G7911	.59
<b>Grigsby-Grunow Co.</b>		
70, 70B, 120, 121	G7902	.59
180, 90, 91, 92, 100B	G7903	.59
130-A	G7918	.59
20, 21, 22, 23	G7971	.92
15, 15B, 25, 150	G7912	.59
Auto Radio 110	G7914	.59
Majestic 25B and 35 Chassis	G8001	.88
Majestic Chassis 15, Models Havenwood, Ellswood and Sherwood, Majestic Chassis 150, Model Castewood, Phono Combination	G8002	1.19
Majestic 60 Chassis	G8003	.66
Majestic 130 Chassis	G8004	.66
Majestic Chassis 150, Castlewood, Phono Comb. (Phono Volume Control), Majestic 25 Chassis	G8005	.66
Models Brentwood, Cheltenham and Brucewood	G8006	1.19
Majestic 90, 90B, 100, 100B (Pqualizer)	G8007	.79
Majestic 30 Chassis	G8018	1.59
Majestic 100 Chassis	G8019	1.32
Majestic 50 Chassis	G8020	1.32
200	G8011	.66
210	G8012	.66
<b>Kellogg Switchboard</b>		
5 Tube B, and 7 Tube A, 533, 534, 535, 536	G7903	.59
425, 426	G7902	.59
<b>Kennedy Corp., Colin B.</b>		
10	G7903	.59
80	G7904	.59
Short Wave Unit for 826, 30, 32	G7906	.59
20 AC	G8073	2.12
42	G7902	.59
Models 52, 52A	G8008	.79
Model 56	G8009	1.19
Model 62	G8010	.66
26	G7989	2.12
24	G8072	.59
41, 48	G7912	.59

# Electrad Volume Controls [Cont.]

Manufacturer	Stock No.	Your Cost
<b>Kolster Radio Corp.</b>		
K-82, K-90, K-92.....	G7902	\$0.59
K-45.....	G7906	.59
980, 205, C1, C2, C4, C5, C6, C7.....	G7904	.59
K-60, K-62.....	G7911	.59
K110, K112, K120, K122, K130, K132, K140, K142, K113, K123, K133, K143.....	G8074	1.06
K114.....	G8089	.66
<b>Montgomery Ward &amp; Co.</b>		
2822, 2895, 2897, 2827, 111, 811, 111X, 811X.....	G7903	.59
3035, 3037, 3065, 3067, 1522, 1562, 20W, 65-820, Model 49, 26P, 26PX.....	G7902	.59
1355, 1955, Recital.....	G7907	.59
62, 1040.....	G7923	.59
181, 187.....	G7920	.59
26W Chassis, 27W Chassis.....	G7912	.59
Commander, Cavalier.....	G7912	.59
<b>Peerless</b>		
Series 20, Peerless.....	G7904	.59
Series K-70.....	G7920	.59
Courier 65.....	G7917	.59
<b>Philco</b>		
82, 5, 86, 87, 511, 521, 531, 541, 551, 561, 571, 581.....	G7962	.53
Transitone 95, 96, 96A, 30, 211, 211A, 15, 47, 91L, 91B, 91X, 111, 111A.....	G7904	.59
71H, 71L, 71B.....	G7907	.59
70, 70A, 90, 90A.....	G8049	1.32
76.....	G7915	.59
Model 95.....	G8071	.66
Models 112, 112A, 112E, 212, 212A, 212E.....	G8070	.66
Models 20, 20A, 70, 70A, 270, 270A, 220.....	G7980	1.32
Models 60, 50A.....	G8048	1.32
<b>RCA Victor Co.</b>		
Radiola 16.....	G7935	.92
Radiola 17, 50, 41, 7-25, 7-54.....	G7936	.79
Radiola 18, 33, 51, 7-11, 7-22.....	G7937	.79
Radiola 44, 46, 47.....	G7938	.79
Radiola 60, 62.....	G7939	.79
Radiola 64, 67, 9-18, 9-54.....	G7940	.79
Radiola 64 (Sensitivity Control).....	G7941	.79
Radiola 66.....	G7942	.79
Radiola 80, 82, 86, 35, 39, 51.....	G7943	.79
Radiola R-5, R5X.....	G7933	.66
Radiola Superett R7A.....	G7944	.79
Radiola R-11.....	G7934	.66
Radiola Superett (Tone Control).....	G8065	.79
Radiola 46 DC.....	G8013	.66
Radiola RAE 59, RAE 79, R50, R55, RE28.....	G8014	.66
Radiola RAE 26, R11 (Tone Control).....	G8066	1.06
Radiola 80 Series (Phono, Volume Control).....	G8067	.66
Radiola 42.....	G8054	2.12
Model 33A.....	G8068	.59
R-32, RE45, RE52, RE75.....	G7979	1.59
R-15, 48, 92.....	G7991	2.12
R-14.....	G7985	2.12
RE-35, RE-39, 67.....	G7986	2.12
<b>Silver-Marshall</b>		
37, 38, 39, 782, 770.....	G7903	.59
C Super, Model "A", Model "E", "D", "E", 726.....	G7911	.59
Model 36A, 710, 740, 724.....	G7910	.59
620, 630, 635, 644.....	G7905	.59
SC-2.....	G7915	.59
722-30, 30B, 60B, 75B-90B, 712, Model B.....	G7924	.59
Bearcat-Midget, SMD1 Super, R Superhet, Q. S. W. Super, 727 Allwave.....	G7912	.59
37, 38, 39.....	G7908	.59
716, "J", "G".....	G7902	.59
G7919	G7919	.59
<b>Sonora Phonograph Co.</b>		
3R, 4R, 2RP, 25.....	G8087	.59
B-31.....	G7909	.66
<b>Stewart-Warner Corp.</b>		
Models 950, 980, Battery 950, 970, R100C, DC.....	G8022	1.32
900-811.....	G7903	.59
R100A, R100B, R100E.....	G7925	.66
Models 102A, B. E., R101A, R101B.....	G7902	.59
<b>Stromberg Carlson Telephone Mfg. Co.</b>		
1A, 1B, 501, 502, 601, 602, 633,		

Manufacturer	Stock No.	Your Cost
<b>Stromberg Carlson Telephone Mfg. Co.—(Cont.)</b>		
634, 523, 524.....	G7905	\$0.59
635, 636 (Short Shaft).....	G7901	.66
(Double Shaft).....	G7961	.53
846, 848 (Double Shaft).....	G7965	.66
(Long Shaft).....	G7990	.66
641, 642, 652, 654 (Long Shaft).....	G7990	.66
(Double Shaft).....	G7960	.53
25, 26.....	G7918	.59
688DC.....	G7932	.66
Models 10, 11, 16, 17.....	G8030	.92
Models 19, 20, 21.....	G8031	.66
Models 12, 14.....	G8032	.92
Models 22, 24, 27.....	G8033	.92
Models 38, 39, 40, 41.....	G8050	1.32
<b>Temple Corp.</b>		
8-61, 8-81, 8-91.....	G7977	1.32
<b>United Air Cleaner Corp.</b>		
106B, 440, 10B, 666C, 666, 104.....	G7902	.59
Sentinel 114.....	G7904	.59
110, 108A, 108B, 99.....	G7912	.59
7 Tube Super.....	G7923	.59
108 Super Midget.....	G7914	.59
<b>U. S. Radio &amp; Television Corp.</b>		
Case 80, Apex 36, 37, 50, 60, 90, 99.....	G7902	.59
Apex 31, 32, DC Model 33, Model 30, Auto, Gloriatone Late 27, 26, 29, 32, Apex 49, Batt. Gloriette-20.....	G7912	.59
Gloriatone Early 27.....	G7918	.59
Gloriatone 28, 29, 32.....	G7916	.59
No. 8 Series Super Heterodyne, No. 10 Series Super Heterodyne.....	G7907	.59
7 Series, Pentode.....	G7904	.59
<b>Sparks-Withington</b>		
49, 5-26, 5-15, 39, 6-26, 6-15.....	G7905	.59
6, 9.....	G7949	1.06
10.....	G7948	1.06
15.....	G7947	1.06
25, 26.....	G7946	1.06
110AC, 301, 111A, 101, 103, 109, 589, 600, 610, 620, 930, 931, 79A, 89A, 69, 737, 574, 870, 591, 593, 564, 570, 740, 750.....	G7930	.66
410, 420 (Junior, Jewell).....	G7983	1.59
AR-19 (Auto Radio).....	G8036	.79
Spartan 41.....	G7913	.59
<b>Steinitz</b>		
49, 50, 102, 40C, 60C, 102C, 70, 80, 95, 991, 992, 993, 26, 15.....		
Models 412, 420 (Model 15 Chassis), Models 210, 230, 420, 450 (Model 17 Chassis).....	G7903	.59
Models 421, 425 (Model 21 Chassis), Models 203, 600, 605, 630, 635, 642, 643, (Model 22 Chassis), 22, 28, 261, 262, Models 423 (Model 23 Chassis).....	G7902	.59
Models 700, 705, 706, 725, 642B (Model 26 Chassis).....		
Models 700, 701 (Model 28 Chassis).....	G7919	.59
<b>Westinghouse Electric &amp; Mfg. Co.</b>		
WR-5, WR-6, WR-7, WR-8.....	G7943	.79
WR-10, WR-10A.....	G7944	.79
WR-14.....	G7933	.66
WR-15.....	G7934	.66
WR-7, WR-9 (Phono, Volume Control).....	G8067	.66
WR-4.....	G7991	2.12
<b>Wholesale Radio Service Co., Inc.</b>		
Pre-Selector A. C. 524, Duo Symphonic 1930, Duo Symphonic Junior, 1931, Series 10, Mighty Atom.....	G7902	.59
Series 20.....	G7904	.59
<b>Zenith Radio Corp.</b>		
14, 15, 16, 17, 27, 39, 6 Tube Zenette, 33, 34, 35, 35A, 342, 352, 352A, 362, 333, 353, 34-P, 342P, 40A, 41, 42, 422, 35PX, 35APX, 352PX, 352PX, 37A, 55.....	G7903	.59
52, 53, 54, 60, 61, 62, 64, 67.....	G7945	.59
602, 613, 622, 642, 672.....	G7906	.92
5 Tube Zenette.....	G7902	.59
5 Tube Zenette with Pentode.....	G7912	.59
Hyper-Merton, 82, 89, 822, 892, 10, 11, 12, 102, 112, 122.....	G7906	.59
70.....	G7976	1.59



**Genuine Radiola Controls Model 16**  
 Part No. 5666, Filament Rheostat.  
**F6775—Your Cost \$35°**

**Models 44-46-47**  
 Part No. 6905, 2900 ohms Volume Control. Special slotted shaft.  
**F6776—Your Cost 65°**

**Models 60 and 62**  
 Part No. 5811, 450 ohms, Volume Control.  
**F6777—Your Cost \$1.05**



**Model 66**  
 Part No. 6027, 650 ohms, Volume Control.  
**F6778—Your Cost 90°**

**Model 64**  
 Part No. 2334, 2,750 ohms, Sensitivity Control.  
**F6779—Your Cost \$1.05**

Part No. 2536, 1250 ohms, Volume Control.  
**F6780—Your Cost 90°**

**RCA Models 20-25-28**  
 Part No. 674, 6 ohm Filament tubular resistor for battery operated sets.  
**F6781—Your Cost 15°**

Part No. 1424, 60 ohm Volume Control, tubular.  
**F6782—Your Cost 15°**

**RCA Models 25-28-30 A. C.**  
 Part No. 905, 100 ohm Filament tubular resistor.  
**F6783—Your Cost 20°**

Part No. 908, 375 ohm Volume Control.  
**F6784—Your Cost 20°**

**RCA Models 30-A and 32 A. C.**  
 Part No. 905, 100 ohm Filament Resistor.  
**F6783—Your Cost 20°**

Part No. 963, 250 ohm Volume Control.  
**F6785—Your Cost 20°**

**RCA-Radiola**  
 The only complete and accurate line of replacement volume controls made expressly for the RCA-Radiola series of Receivers. The resistance in ohms, taper, length and size of shaft, and special mounting have been designed and built from the original RCA parts. This is the only list of controls that are accurately made for these receivers. Refer to complete listing for the correct type of control for your needs.

**Crosley Replacements**  
 A complete and accurate line of replacement volume controls for the Crosley receivers. Made with special shaft like the original parts. All guaranteed to fit the chassis exactly. Refer to complete listing for the correct control.



**We Will Not Knowingly Be Undersold**



# Centralab

CENTRAL RADIO LABORATORIES

## Replacement Volume



### Combination "L" Pad

Bakelite Case 2x3 1/4".  
Threaded Bushing 3/8x1/2" long.  
Shaft 1/4x1/2" long.  
Shaft grounded to series resistance.

A wire wound and tapered graphite control providing constant impedance to the line. It is recommended for low impedance systems, such as output control of moderate power not exceeding 4 watts and input to small public address systems where price is a factor and the high efficiency made possible by the Centralab T-Pad is not an absolute necessity.

Illustrated above without cover to show construction. Stock controls have metal cover providing complete protection from dust.

Stock No.	C.R.L. No.	Resistance
H8975	96-004	15000 ohms
H8956	96-003	10000 ohms
H8955	96-002	5000 ohms
H8959	96-007	500 ohms
H8958	96-006	200 ohms
H8976	96-008	100 ohms
H8957	96-005	50 ohms
H8954	96-001	10 ohms

List Price \$3.00  
Your Cost **\$1.47**



### Centralab Power "L" Pads

#### Commercial Type

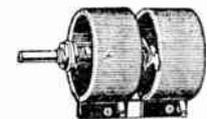
Employed in output circuits where the amount of power does not exceed 10 watts. Commonly used as a voice coil control of Dynamic Speakers. The unit provides constant impedance to the line and thus, when used in multiple circuits, does not disturb the adjustment of other sections of the same circuit.

The resistance units are wire wound for maximum power rating and housed in the same moulded Bakelite case as the T Pad. Provides single or three hole mounting.

Diameter of control 3 1/2".  
Depth of control 2" approximately.

Stock No.	C.R.L. No.	Resistance
H8953	94-003	100 ohms
H8952	94-002	50 ohms
H8951	94-001	15 ohms

List Price \$5.00  
Your Cost **\$2.45**



#### Giant Type

The Giant Power "L" Pads consist of two heavy wire wound sections of large dimensions. These units are recommended for installations in systems where the output exceeds 10 watts. For example: large public address systems where multiple circuits of large amplifiers are employed.

The units are mounted with no covering to allow free circulation of air about the resistance units and thus permit a free dissipation of heat. These units provide a means of control which maintains a constant impedance upon the line, and may thus be operated in multiple without disturbing the adjustment of other circuits obtaining energy from the same line.

Unit provides single hole mounting. Diameter of unit 2".  
Depth of unit 2 1/2" approximately.  
The resistance specified is the equivalent line impedance.

Stock No.	C.R.L. No.	Resistance
H8765	47-209	50 ohms
H8764	47-208	15 ohms

List Price \$5.00  
Your Cost **\$2.45**

**Free Volume Control Guide will be sent with orders of 5 or more CRL Controls**  
The revised listing of Centralab volume controls that the serviceman has been waiting for. This list consists of "Specials" that are manufactured and built for the particular set that it is intended for, no changes necessary to install these units. You may order by our stock number; or specify the Centralab number if you wish. A complete line of Centralab volume controls and by-products carried in stock.

Name and Model	Stock No.	Your Cost	Name and Model	Stock No.	Your Cost
<b>A. C. Dayton Co.</b>			<b>Crosley Radio Corp.—(Cont.)</b>		
Navigator.....	H8843	\$0.73	AC-7, AC-7C.....	H8876	\$0.73
A. C. Dayton.....	H8858	.73	40S, 41S, 42S, 82S, 71-A, 40-A "Special".....	H8847	1.71
<b>All-American Mohawk</b>			"Buddy and Chum".....	H8876	.73
"D-L" Series.....	H8812	.98	605, 615, 625.....	H8852	1.47
"H" Series.....	H8812	.98	21, 22, Batt.....	H8840	.73
"J" Series.....	H8872	.73	28, 30-S, 31-S, 33-S, 34-S "Special".....	H8851	1.47
"K" Series.....	H8863	.73	53, 54, 57 (New Buddy).....	H8860	.73
<b>Amrad</b>			400, 410, 420.....	H8865	.73
70-7100 Belcanto Series.....	H8858	.73	91, 92 "Roamio" Auto.....	H8862	.73
81.....	H8861	.73	Midget 48.....	H8931	.73
84.....	H8863	.73	Johnny Smoker, Super Buddy 122.....	H8859	.73
<b>Atwater Kent Mfg. Co.</b>			126, 65, Long Shaft, "Special".....	H8855	1.47
33 Series Filament, 84.....	H8863	.73	52, 26, Long Shaft, "Special".....	H8853	1.47
61, 61C, 72, 66, H1, H2 "Special".....	H8723	1.96	40S, 41S, 42S, 82S, (Late Models) "Special".....	H8896	1.96
67, 67C, Batt. Set 222 tubes 82Q.....	H8862	.73	55, Short Shaft.....	H8862	.73
"D" Series, "Special".....	H8846	1.71	56, Short Shaft.....	H8861	.73
"F" Series, L-2, P or 75 Q-2 Series, "Special".....	H8902	1.96	75, 76DC, 77, 84, Special.....	H8854	1.47
L-1.....	H8912	1.47	77-1.....	H8931	.73
82D, 84D, 89, 84Q Batt., 89, 89F.....	H8808	.98	120.....	H8861	1.96
<b>Bosch</b>			58.....	H8860	.73
107, 116, 46, 126, 136, 146, 166, 176, 96-DC, 96-AC.....	H8839	.73	59.....	H8931	.73
80-Auto Receiver "Special".....	H8832	1.47	124, 125 Midget Super Sw. Type.....	H8813	.98
48 and 49 "Special".....	H8895	1.96	605, 615, 625.....	H8852	1.47
54, 56.....	H8883	1.47	<b>Earl Radio Corp.</b>		
58, 62 "Special".....	H8888	1.47	21DC, 24, 31, 33DC.....	H8864	.73
54-DC "Special".....	H8910	1.96	21 and 22-AC.....	H8718	1.47
5A, 5B, 7A, 73, 133.....	H8961	.98	315, 371, 31-S, 32-S, 33.....	H8912	1.47
60, 61, 64 "Special".....	H8887	1.47	271.....	H8926	1.47
20, 31, 32.....	H8871	.73	31 and 32-AC, 41.....	H8840	.73
73, 74.....	H8803	.98	<b>Edison, Inc., Thomas A. &amp; Split-dorf</b>		
<b>Bremer-Tully Mfg. Co.</b>			P.A.D. No. 4, P.A.D. 41, C-1, C-2, C-3, R1, R2.....	H8724	1.47
7-70, 7-71 "Special".....	H8890	1.47	R-200.....	H8840	.73
81, 82, 14, 21, 31, 81A.....	H8794	.98	M5, R11, M-6, Special.....	H8701	1.47
85, 36.....	H8812	.98	Controls, one of each R4, R5 and C4, R6, R7, Later Model.....	H8897	1.96
S-81, S-82.....	H8866	.73	C1.....	H8839	.73
7-A, 7-B, W-81.....	H8839	.73	ES 62.....	H8724	1.47
<b>Brunswick-Balke-Collender Co.</b>			R122.....	H8859	.73
S14, S21, S31, S81, S82.....	H8811	.98	250.....	H8841	.73
14, 21, 31.....	H8794	.98	R6 and R7, Early Model, Photo.....	H8830	1.71
S-32 Cavac.....	H8804	.98	R4, R5, C4, Early Model "Special".....	H8925	1.96
10 Midget "Special".....	H8796	1.47	"Special".....	H8724	1.47
11, 12, 16, 33.....	H8793	.98	Abbey "Special".....	H8701	1.47
11, 12, 16.....	H8744	.73	Abbey Jr. "Special".....	H8858	.73
D.....	H8863	.73	E-175.....	H8897	1.96
<b>Colonial Radio Corp.</b>			R6 and R7, Later Model.....	H8897	1.96
31DC.....	H8758	.73	<b>Eveready</b>		
SG-32AC, 33AC "Special".....	H8719	1.96	1, 2, 3.....	H8862	.73
40, 43, 44, 47, 47E, 48, 48E, 50 "Special".....	H8740	.73	30, 40 Series.....	H8865	.73
44, 47, 48, 50.....	H8961	.98	31.....	H8840	.73
<b>Columbia Radio Corp.</b>			50 Series.....	H8892	1.47
Screen Grid 8 "Special".....	H8934	1.47	<b>Fada</b>		
SG-5, SG-7.....	H8839	.73	7, 480A, SF50, 80-A, CA-475.....	H8839	.73
SG-9.....	H8858	.73	30, 30Z, 31, 31Z, 10, 10Z, 11, 11Z, D. E. Special Long Shaft.....	H8831	1.47
<b>Columbia-Kolster</b>			50, 70, 71, 72, 51 Long Shaft.....	H8837	1.47
C1, C2, C3, C4, C5, C6, C7, 980.....	H8839	.73	16, 16Z, 17, 32, 32Z, 18DC, Special Shaft.....	H8848	1.47
902, 961.....	H8860	.73	35C 35B, 40AC, Original Control.....	H8898	1.98
K42, K43, K44, K45.....	H8926	1.47	25, 25Z, 15M, 15MZ, Special Shaft.....	H8932	1.47
930-AC, "Special".....	H8922	2.21	20, 20Z, Special Shaft.....	H8962	1.47
950.....	H8858	.73	75, 77, 35, 35Z, Special Shaft.....	H8899	1.47
960.....	H8838	.73	43, 76Z, KP, KG.....	H8915	1.47
100 Series.....	H8807	.98	122-KE.....	H8869	.73
60 Series, 31-33 Columbia.....	H8813	.98	KA-41, 42, 44, 46, 47, 81, 84, 86DC.....	H8874	.73
32-34.....	H8793	.98	KW-48, 49, Sw. Type.....	H8809	.98
70 Series, 80, 90, "Special".....	H8801	1.47	K. U. 45, 51, 53, 57, Sw. Type.....	H8817	.98
<b>Crosley Radio Corp.</b>			<b>Freed-Eisemann Radio Corp.</b>		
60-S, 61-S, 62-S, 74.....	H8861	.73	FE30N and 30-32 40N and 48N, 50, NR78 and NRR9-A, NR80-DC, NR80-AC, NR85, 470.....	H8838	.73
61, 602 Bandbox, 608 Gembox, 610, 609 Gembox, and Gemchest, 704 Jewel Box, 701-A Jewel Box, 704-B Jewel Box, 705 Showbox, 706 Showbox "Special".....	H8785	.73			

# Controls

# VOLUME CONTROLS

Name and Model	Stock No.	Your Cost
NR5, NR6, NR7, NR8 and 8A, NR9 and 9A, NR10, NR12, FE15, PE18, NR20, 66 and 66A, NR77, NR53, NR78-DC 79-DC, NR55-DC, NR55 and 66-DC	H8879	\$0.73
NR60-DC, NR60-AC, NR57, NR70	H8839	.73
NR95	H8840	.73
NR90S-AC	H8905	1.47
NR879, 905GA, NR657, "Special"	H8893	1.96
<b>Freshman Radio Corp.</b>		
G-60, Q15 and Q16, 605M, "Special"	H8786	.73
3Q-15 and 3Q-16, N12, N17, 2-N, Q1D-16-S, Series Q-D-16, "Special"	H8746	.73
H, K and K-60-S, M, L and I.S. 41-AC and Earl 41, 31, 32A, 31S, 32S	H8840	.73
21AC, 22 (Earl), 21, 22	H8718	1.47
G	H8858	.73
21-DC, 24, 31, 33-DC	H8879	.73
<b>General Electric Co.</b>		
T41-RC3	H8905	1.47
H31, H51, H71	H8867	.73
S-22, S-22X-S-42	H8744	.73
T-12	H8877	.73
<b>General Motors Radio Corp. (Day-Fan)</b>		
5033, 6066, 5065, G tube, 5057, 6 DC, 32 DC, 110-6-M.G	H8869	.73
8-AC, 5077, 5080	H8860	.73
A5005-A5020	H8861	.73
72	H8838	.73
5003-5004-5010-5091-48 "Special"	H8726	1.47
Delco 3002 Auto "Special"	H8834	1.47
"A", 120A, 130, 140, 150, 160	H8913	1.47
MA110, 190	H8913	1.47
211, S9-A, S9-B	H8806	.98
220, S10A, S10B	H8818	.98
S-3B, 253, 254, 255, 256, 257, 258	H8806	.98
S3A, 253, 254, 255, 256, 257, 258	H8793	.98
S2A, S2B, 216 and 251	H8817	.98
216, 217, 219, 250	H8861	.98
S1A, 216, 217, 219 and 250	H8806	.98
<b>Graybar Electric Co.</b>		
700, 770, 900	H8867	.73
678	H8905	1.47
Graybarette	H8877	.73
8 Midget	H8744	.73
<b>A. H. Grebe &amp; Co. Inc.</b>		
428 Synchrophase AC-6; Synchrophase AC-7	H8838	.73
AH-1	H8859	.73
Early Synchrophase SK4-AC	H8900	1.47
SK4-DC	H8811	.98
HS4-1, 2, 3, 4	H8813	.98
<b>Grigsby-Grunow (Majestic)</b>		
70 series, 60, 70-B	H8858	.73
180-181 "Special"	H8720	1.96
Series 60, Midget Super	H8903	1.96
90, 91, 92, 321 "Special"	H8930	1.47
90 Series	H8840	.73
30, 31, 131, 132, 233 "Special"	H8923	1.96
100 Series, 100B "Special"	H8721	1.98
130A, 230A	H8859	.73
Midget Series 20	H8793	.98
60 Series 160	H8866	.73
Midget Super "Special"	H8914	1.47
120 Series, "Special"	H8901	1.96
15B, "Special"	H8797	.98
25, "Special"	H8799	1.47
15, 150 "Special"	H8797	.98
110 Auto, "Special"	H8856	1.47
<b>Kellogg Switchboard &amp; Supply Co.</b>		
6 tube 507, 520 series	H8863	.73
"B", 7 tube	H8871	.73
520 series, 533, 534, 535	H8861	.73
536, 5	H8861	.73
K24, 25, 27, 28	H8931	.73
Screen Grid Receiver	H8858	.73
<b>Colin B. Kennedy Corp.</b>		
KR 15 and 16	H8859	.73
"Royal" 60, "Royal" 80	H8863	.73
12S.G., 10, 20, 20B, "Special"	H8928	1.96
10	H8869	.73

Name and Model	Stock No.	Your Cost
<b>Colin B. Kennedy Corp.—(Cont.)</b>		
"Royal"	H8862	\$0.73
26, 526, 826, 36, 38, 40, 26, with remote control, 826	H8913	1.47
26, 826	H8742	.73
34, 30 and 32, 50-52-56	H8872	.73
42 Midget	H8817	.98
<b>Kolster Radio Corp. (Columbia Phono.)</b>		
K20, 22, 25, 27	H8838	.73
K-21, 24, 28, 23, K30, 32	H8842	.73
B10, B15 and 16	H8860	.73
<b>Montgomery-Ward</b>		
1522, 1562	H8931	.73
2822, 2827, 2895, 2897	H8876	.73
2955, 2957	H8876	1.47
3035, 3037, 3065, 3067	H8931	.73
S. G. Battery Set	H8931	.73
<b>Philco</b>		
65	H8866	.73
511, 512, 513, 514, 515, 521, 531, 541, 551, 561, 571, 581, Series 5, 82-86, 87	H8858	.73
1, 2, 3, 96, 96A, 92, 95, 95E, 11 and 11A, 211, 211A, 296, 296A, 111, 111A, 112, 112A	H8864	.73
76, 77, 77A, 70 Series	H8913	1.47
Transitone No. 3, 30	H8863	.73
Baby Grand 20, 20A, 220, 41, 42, 220A	H8914	1.47
40	H8876	.73
41, 42	H8783	.73
<b>R. C. A. Victor</b>		
4-Circuit, RC3, R15, RE17, R12	H8905	1.47
R-32, RE-15, R-52, RE-75	H8911	1.47
5-Circuit RE-35, RC-2A, RE-39, RE-57, RE-73, RE-34, 42, R5, R5X	H8904	1.47
R7, 7A	H8877	.73
R7 Superhette	H8867	.73
7A, R-11, RE-18	H8744	.73
R50-R55	H8743	.73
R57, 82	H8861	.73
<b>"Radiola"</b>		
80, 82, 86	H8867	.73
<b>Silver-Marshall Inc.</b>		
630	H8762	.73
4, SM-730 Around the World	H8840	.73
740AC Coast to Coast	H8866	.73
714	H8843	.73
722AC, 30B, 60B, 75B, 95B	H8871	.73
770	H8844	.73
710 SM690	H8863	.73
37, 38, 39, 782	H8817	.98
683, A, F, D, EG, J, 716, 773	H8868	.73
B	H8872	.73
<b>Sonora Phonograph Co., Inc.</b>		
2RP-25, 3R & 4R, 5R, A-30, A131, A-32, A-36, A-46, A-40, 44 DeLuxe, A3D, A31	H8746	.73
B-31	H8866	.73
E-AC	H8863	.73
<b>Sparks Withington Co. (Sparton)</b>		
62, 63, 110, 110 DeLuxe, 931, 301, Sparks Ensemble, 600, 610, 620	H8840	.73
AC7	H8858	.73
39	H8841	.73
69, 79, 79A, 89, 89A, 109, 55-101-103	H8865	.73
301, 930, 589, 574, 737	H8931	.73
591-593	H8945	.73
235, 235DC	H8843	.73
5 & 9	H8817	.98
<b>Steinitz Radio Co.</b>		
30	H8876	.73
Super Heterodyne "Special"	H8780	.73
40, 50, 102, 40C, 60C, 102C, 70, 80, 90, 15, 16, 412, 420, 210, 230, 420, 450	H8840	.73
261, 262 series	H8838	.73
990, 991, 992, 993	H8841	.73
Midget 21, 23 "Special"	H8750	1.47
Midget "Special"	H8706	1.22
22, 25	H8931	.73
26, 28	H8867	.73
421, 425 or 21, 203, 600, 605, 630, 635, 612, 643	H8961	.73

### Power Rheostats

Watt	Stock No.	Resistance	Your Cost
25	H8977	2 ohms	\$.98
	H8978	6 ohms	
	H8979	15 ohms	
	H8980	50 ohms	
	H8981	150 ohms	
50	H8982	400 ohms	1.22
	H8983	1000 ohms	
	H8984	5000 ohms	
	H8987	25 ohms	
	H8988	60 ohms	
75	H8989	150 ohms	1.47
	H8990	500 ohms	
	H8991	1000 ohms	
	H8992	5000 ohms	
	H8995	50 ohms	
100	H8996	150 ohms	1.47
	H8997	300 ohms	
	H8998	500 ohms	
	H8999	1000 ohms	

### Constant Impedance "T" Pad

A network of three resistances housed in a large dust and moisture tight case. Two wire wound sections offer constant resistance to the input and output circuits while a tapered graphite section provides smooth attenuation of volume level. Bakelite case 3 1/2 x 1 1/2" deep. Furnished with Bakelite knob.

Stock No.	Resistance	Stock No.	Resistance
H8950	5000 ohms	H8947	100 ohms
H8944	1500 ohms	H8948	50 ohms
H8945	500 ohms	H8949	15 ohms
H8946	200 ohms		

**Your Cost Each \$3.43**

### Constant Impedance "L" Pad

Recommended for individual control of magnetic speakers such as centralized school systems, hotels, hospitals or where one or more speakers are added to the home receiving set. The two graphite resistances provide constant resistance to the line with smooth volume control of the individual speaker without changing the adjustment of other speakers on the same line. Safe energy dissipation 1 watt.

H8907	5000 ohms
H8908	10000 ohms

**Your Cost Each \$1.47**

### Phonograph Pickup Fader for Two Turn Tables

This control is made up of a potentiometer with an extra lug contact located at the center of the resistance. It provides both volume control and a fade-over switch for two phonograph pickups and turn tables. Bakelite case 2 1/4 x 1 1/2", shaft 3/4 x 1/2" long. Shaft and bushing fully insulated from all terminals. Single hole mounting.

H8829	—00600 ohms	Resistance of each
H8827	—50000 ohms	half of the control
H8828	—25000 ohms	

**Your Cost Each \$1.95**

Replacement Part Headquarters for Dealers and Service Men

# VOLUME CONTROLS

# Centralab Volume Controls

(Continued)

Name and Model	Stock No.	Your Cost
<b>Stewart-Warner Corp.</b>		
500, 520, 525, 806.....	H8841	\$0.73
530, 535.....	H8839	.73
700, 705, 710, 900 series "Special".....	H8727	.73
715-720, R-100A, R-100B, R-100E, R-100-AF, 110 Series "Special", 950.....	H8728	.73
801-802.....	H8860	.73
811.....	H8840	.73
970-AC-980.....	H8913	1.47
305, 315, 320.....	H8876	.73
300, 310, 325.....	H8931	.73
363.....	H8838	.73

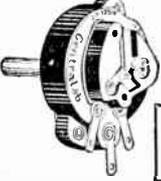
Name and Model	Stock No.	Your Cost
<b>Stromberg-Carlson Tel. Mfg. Co.</b>		
523, 524, 734B, 744B.....	H8861	\$0.73
635, 636, 601, 602, 633, 634 Long Shaft.....	H8885	.98
601, 602, 633, 634, 635, 636, Double Shaft.....	H8886	.98
10, 11.....	H8865	.73
12, 14, Automatic Volume Control.....	H8863	.73
641, 642, 652, 654, Long Shaft.....	H8883	.98
641, 642, 652, 654, Double Shaft.....	H8884	.98

Name and Model	Stock No.	Your Cost
<b>Temple</b>		
8-60, 8-80, 8-90.....	H8838	.73
8-61, 8-81, 8-55 and 8-91.....	H8900	1.47

Name and Model	Stock No.	Your Cost
<b>U. S. Radio &amp; Television (Apex)</b>		
80 Series.....	H8839	.73
Gloritone, 26, 26B, P-20.....	H8871	.73
99 Series.....	H8871	.73
29, 31 Series.....	H8931	.73
Midget 32-32A, 32B, 49.....	H8779	.73
28 Series.....	H8744	.73
7-A and 7-B.....	H8743	.73
8 and 10 Series.....	H8874	.73
Midget 27 Series (Late).....	H8961	.98
46, 46A, 47, 47A, 48, 48A.....	H8876	.73

Name and Model	Stock No.	Your Cost
<b>Westinghouse</b>		
WR-4.....	H8905	1.47
WR-5, 6, 7, 8, 10-A.....	H8867	.73
WR-14.....	H8877	.73

Name and Model	Stock No.	Your Cost
<b>Zenith Radio Corp.</b>		
11, 12, 14, No. 31, 32, 33, 34, 35, 35A, 342, 352, 352A, 362, 33X, 362X, 333, 353A, 34P, 342P, 35XP, 35APX, 352PX, 352APX, 37A, 35P, 35AP, 352P, 352AP, 39, 39A, 392, 392A, 40A, 16EP, 17, 613, 60, 61, 62, 602, 622.....	H8807	\$0.98
563.....	H8806	.98
52, 522, 53, 532, 54, 542, 57, 50 Series, 70, 102, 112, 212, 10, 11, 12 Spec, 122, 70X, 80.....	H8802	1.22
70 Series, 50, 60, 70, 71, 72, 73, 77, 712, 722, 732, 772 (Later types) Special (Dual).....	H8924	1.71
"Zenette" AH, CH, RH, No. 3A, 10, 11, 12, 102, 112, 122, 70, 70X, 80.....	H8745	.73
2009.....	H8803	.98
70X, 80.....	H8861	.73
L. P.....	H8817	.98




**Centralab**

Free Volume Control Guide will be sent when ordering 5 or more C. R. L. Controls.

With Switch **59¢** Brand New Controls Only **44¢** Without Switch

Announcing a new line of Centralab Volume Controls to meet the demand for a quality volume control at a low price. The same high quality as used in all of Centralab's products and years of experience in the resistance field go into making these controls the finest offered at this price, or near it. This list covers the 10 most popular controls and are guaranteed to give lasting satisfaction. Centralab replacement controls can be used on any set regardless of the make or type control originally used.

It is not necessary and often not desirable to connect the replacement control in the same circuit location as the original. Where the original control was of the wire wound type so located as to carry considerable current better and smoother volume control will result by using Replacement Control No. H9002 shunted from Antenna to Ground. The connections to the old control should then be soldered and taped to provide maximum volume at all times, with the Antenna control adjusted for the necessary volume level.

**Elf Potentiometers Three Terminals**

Can be used for Tone, Pick-up and Volume Controls. Shaft extends 1 1/2" from case, milled flat for set screw or push-on knobs. Bakelite case, 1 1/2 x 1/2" Bushing, 3/8" Stock No.

With Switch	Without Switch	Resistance in (ohms)	Circuit Location
H9020	H9000	1000	Antenna Shunt
H9021	H9001	2000	Antenna Shunt, "C" Bias
H9022	H9002	5000	Antenna Shunt
H9023	H9003	10000	Antenna Shunt, "C" Bias and Ant
H9024	H9004	25000	Antenna Shunt, "C" Bias and Ant
H9025	H9005	50000	Screen Voltage or Tone Control
H9026	H9006	75000	"C" Bias Control
H9027	H9007	100000	Screen Voltage or Tone Control
H9028	H9008	250000	Audio Shunt or Tone Control
H9029	H9009	500000	Audio Shunt or Tone Control
H9030	H9010	1 Megohm	Audio Shunt or Tone Control

Without A. C. Switch **44¢**  
Your Cost Each

With A. C. Switch **59¢**  
Your Cost Each

**Special Philco Volume Controls**

These replacements will exactly duplicate the original in all operating essentials, although not necessarily in appearance, since the original has been manufactured by someone else. These controls will give superior performance, particularly true where the original control may have been a wire wound such as those used in Philco Models 50, 50A, 41, 42 and 46.

Stock No.	Philco No.	Philco Models	Resistance Ohms	Your Cost
H9013	4463	Transitone Auto Radio	500000	\$0.63
H9014	4093	96, 96A, 296, 296A, 30, 111, 111A, 211, 211A, 112, 112A, 212A, 212.....	500000	.68
H9015	3076	511, 521, 86, 82, 83, 87.....	10000	.73
H9016	3790	92 and 95.....	10000	.73
H9017	5839	51, 51A, 52, 52A, 551, 551A.....	5000	.39
H9018	5232	50, 50A.....	5000-2000	.93
H9019	4141	41, 42, and 46.....	5000-2000	.93



**Centralab Twin Junior Controls**

**Abbreviations**

L. H.—Increases with clockwise rotation. R. H.—Increases with counter clockwise rotation. Sym.—Tapered symmetrical.

There are so many possible combinations in twin volume controls that most replacements are adapted to one manufacturer's set only. There are many receivers now giving troublesome operation with single controls, however, that may be improved immensely if the single control is replaced with part number H8912 where the original control was in the "C" Bias circuit, or with part H8913 where the original control was in the screen grid circuit. These controls have long shafts adapted to a variety of sets. The other Twins are popular replacements for particular receivers as named and duplicate the original shaft and bushing length. Case diameter 1 1/4". Depth 3/4" Combination Case Diameter 2 x 3/4". Two resistances completely insulated from each other and from the shaft and bushing.

H8926—Kolster-Brandes for models K-42, 43, 45. Combination 25000 ohms graphite for antenna, 6000 ohms wire wound for screen grid.

H8892—Eveready-National Carbon: Special control. Shaft case R. H., Max. 10000 ohms C-25000 ohms. Back case Sym., Max. 500000 ohms.

H8900—Temple: Special control. Shaft case Sym., Max. 10000 ohms. C 5000 ohms. Back case L. H. Max. 500000 ohms. C. 125000 ohms.

H8904—Victor: Models RE-34, 35, 39, 57, 73. Special taper and bushing for 5-circuit replacements. Shaft case L. H., Max. 50000 ohms, C-25000 ohms. Back case L. H., Max. 1000 ohms, C-375 ohms.

H8905—Victor, R. C. A., G. E., etc.: Models RC-3, R-15, RE-17, R-42. Special taper and bushing for 4-circuit receiver replacements. Shaft case L. H., Max. 50000 ohms, C-20000 ohms. Back case L. H., Max. 50,000 ohms, C-4000 ohms.

H8911—Victor: Models R-32, R-52, RE-42, RE-75. Special taper and bushing. Both cases L. H., Max. 4000 ohms, C-300 ohms.

H8912—Potentiometer controls antenna, radiohm control "C" bias Shaft case L. H., Max. 10000 ohms, C-2000 ohms. Back case R. H., Max. 25000 ohms, C-1500 ohms.

H8913—Potentiometer controls antenna. Potentiometer controls screen grid. Shaft case L. H., 10000 ohms, C-1500 ohms. Back case Sym., 50000 ohms. C-25000 ohms.

H8914—Special Twin replacing wire wound control in 1930-1931 Philco Midget and small receivers. Shaft case L. H., Max. 5000 ohms, C-1200 ohms. Back case R. H., Max. 350 ohms, C-150 ohms.

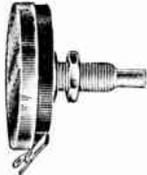
List Price \$3.00  
Your Cost Each **\$1.47**

**How to Connect Centralab Volume Controls**

Connections should always be made so that volume increases when the knob is turned clockwise. For that reason the left hand radiohm is used with circuits giving maximum volume at maximum resistance, such as when the control shunts a transformer coil. Right hand radiohms are used where maximum volume is obtained at minimum resistance, such as a series control to vary the R. F. C bias or plate voltage. Potentiometers likewise frequently require left hand or right hand tapers according to their circuit location. In connecting these controls bear in mind that the shaft and bushing are insulated from all current carrying parts and may be mounted direct on the panel regardless of its potential. This is an advantage for easy assembly, and avoids hand capacity in critical circuits.

# FROST

## No. 40 Series Composition Element

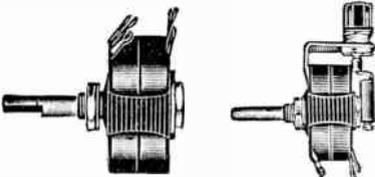


These controls are particularly suited for use in circuits requiring very critical curves and where there can be no material short circuiting, that is, detrimental lowering of the resistance between end terminals. The high insulation provided between shaft and live parts allows use of this control in circuit positions where the potential to ground may be several hundred volts. A positive wiping action between the resistance element and the disc.

Stock No.	Ohms	Stock No.	Ohms
G8330	1,000	G8335	25,000
G8331	2,000	G8336	50,000
G8332	3,000	G8337	75,000
G8333	5,000	G8338	100,000
G8334	10,000	G8339	250,000
		G8340	500,000

Your Cost, Each..... **50°**

## No. 40 Series Dual Potentiometers



Stock No.	Size and Description	Your Cost
G8350	10,000 ohm Antenna Taper—50,000 ohm Screen Grid Taper with 1" shaft.....	\$1.25
G8351	Same as above, with 2" shaft....	1.25
G8352	10,000 ohm Antenna Taper—1,000 ohm Var. Mu Bias, with 1" shaft.....	1.25
G8353	10,000 ohm Antenna Taper—25,000 ohm Screen Grid Taper, with 1" shaft.....	1.25
G8354	10,000 ohm Antenna Taper—25,000 ohm Screen Grid Taper, with switch and 1" shaft.....	1.45
G8355	10,000-50,000 ohm Pot. with switch.....	1.45
G8356	10,000-2,000 ohm Pot. with switch.....	1.25

## No. 20 Series Wire Wound Volume and Tone Controls

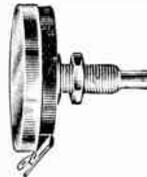


No. 20 Series		No. 20 Series With Built-in Switch	
Without Switch	Control	With Switch	Control
G8360	200 Variable-Mu Cathode	G8370	200 Variable-Mu Cathode
G8361	400 Microphone Button	G8371	400 Microphone Button
G8362	1000 Untuned Antenna	G8372	1000 Untuned Antenna
G8363	2000 Untuned Antenna	G8373	2000 Untuned Antenna
G8364	3000 Untuned Antenna	G8374	3000 Untuned Antenna
G8365	5000 Antenna Shunt	G8375	5000 Antenna Shunt
G8366	10000 Antenna and Cathode Bias	G8376	10000 Antenna and Cathode Bias
G8367	25000 R. F. Bias	G8377	25000 R. F. Bias

Developed to provide rugged, double wiping contact volume controls that would reduce the possibility of noise to a minimum and provide the longest possible life. Completely enclosing the unit in a tightly covered metal shell prevents the entry of dust and foreign particles which might cause scoring should they reach the raceway.

Without Switch  
Your Cost..... **50°**

With Switch  
Your Cost..... **70°**



## Replacement Volume Controls for Stromberg-Carlson

All these controls are genuine Frost, made for replacement in Stromberg-Carlson receivers.

Models 635 and 636		
Front control, No. P-17961		<b>70°</b>
G8322—Your Cost		
Rear control, No. P-21688		<b>65°</b>
G8323—Your Cost		
Models 641, 642, 652, 654		
Front control, No. P-18598		<b>50°</b>
G8325—Your Cost		
Rear control, No. P-18599		<b>75°</b>
G8324—Your Cost		
Models 846 and 848		
Front control, No. P-18930		<b>55°</b>
G8326—Your Cost		
Rear control, No. P-18599		<b>75°</b>
G8324—Your Cost		
Model 638		
Front control, No. P-18422		<b>70°</b>
G8328—Your Cost		
Rear control, No. P-18421		<b>75°</b>
G8327—Your Cost		

## Original Zenith Volume Controls



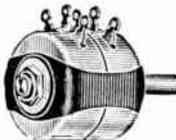
The original Dual Volume Control used in Zenith Receivers. Dual type with A. C. switch used in Models 52, 53, 522, 532, 54, 542, 55, 57, 60, 61, 62, 64, 67, 602, 613, 622, 642, 672, 71, 72, 73, 77, 712, 722, 732, 777, Zenith Part No. 63-122.

4G8320—Your Cost, Each.....		<b>\$1.48</b>
Single Unit, with switch, used in Models 52, 53, 522, 532, 54, 542, 55, 57, 62, 64, 67, 60 and 61; early models of 602, 613, 622, 642, 672, Zenith Part No. 63-93.		
G8321—Your Cost		<b>\$1.23</b>
Single Unit—33, 34, 35, 35A, 342, 352, 352A, 362, 35APX, 11, 12, 14, 15, 16, 17, 31, 32, 333, 353A.		
G8341—Your Cost, Each		<b>80°</b>
Single Unit with Switch—39, 39A, 40A, 392, 392A.		
G8342—Your Cost, Each.....		<b>\$1.25</b>

## Replacement Volume Control

For Victor R-32, R-52, RE-45, RE-75

A greatly improved unit made by Frost, designed electrically for the above Victor receivers. No changes necessary to install this control. Smooth and noiseless in operation. Wire wound. Shipping weight 1 lb.



G8290—Your Cost **95°**

## No. 70 Series Volume Controls



Composition element bakelite case with metal dustproof back cover, furnished either with or without "built-in" switch. This series has the full wiping contact between the movable member and the hard smooth composition resistance element. Size 1 1/4" in diameter, 2 1/4" in depth, 1" shaft length, 3/4" in diameter.

Without Switch:		With Switch	
Stock No.	Ohms	Stock No.	Ohms
G8299	1000	G8296	1000
G8300	2000	G8298	2000
G8298	3000	G8301	5000
G8301	5000	G8302	10000
G8302	10000		
G8303	25000		
G8304	50000		
G8305	75000		

Controls

Stock No.	Control
G8296	Untuned Antenna
G8300	Cathode Bias
G8298	R F Primary Shunt
G8301	Antenna Shunt
G8302	Antenna or R. F. Primary Shunt
G8303	Phonograph Pick-up
G8304	Screen Voltage
G8305	Screen Voltage
	Variable-Mu Cathode Bias

Without Switch  
Your Cost..... **60°**

With Switch  
Your Cost..... **80°**

# VOLUME CONTROLS

## No. 80 Series Composition Element Volume and Tone Controls



Combining the latest and highest development in control engineering. Designed with a view of satisfying the most critical and sensitive circuit requirements. It is constructed with a moulded bakelite housing. Full wiping contact.

Without Switch		With Switch	
Stock No.	Ohms	Stock No.	Ohms
G8400	1000	G8420	1000
G8401	2000	G8421	2000
G8402	3000	G8422	3000
G8403	5000	G8423	5000
G8404	10000	G8424	10000
G8405	25000	G8425	25000
G8406	50000	G8426	50000
G8407	75000	G8427	75000
G8408	100000	G8428	100000
G8409	250000	G8429	250000
G8410	500000	G8430	500000

Controls

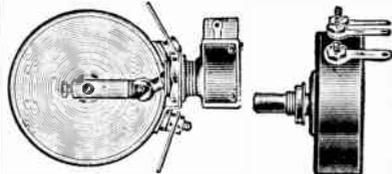
Stock No.	Control
G8420	Untuned Antenna
G8421	Cathode Bias
G8422	R. F. Primary Shunt
G8423	Antenna Shunt
G8424	Antenna or R. F. Primary Shunt
G8425	Phonograph Pick-up
G8426	Screen Voltage
G8427	Screen Voltage
G8428	Variable-Mu Cathode Bias
G8429	R. F. Plate Voltage
G8430	Audio Transformer Shunt
G8430	Audio Transformer Shunt Tone Control

Without Switch  
Your Cost..... **60°**

With Switch  
Your Cost..... **80°**

## No. 2890 Series Composition Element Type

(Bakelite Case and Cover-Shaft Not Insulated)



Entire shell and back cover are of genuine bakelite which prevents capacitance and inductance. Available with most critical resistance gradients and will carry a maximum amount of current. Is of the time-tried and proven rocker arm-roller contact assembly, utilizing our latest improved resistance element.

## This is the Frost Control with Interchangeable Shaft

These Frost controls have interchangeable shafts and the standard resistance can be used in sets similar to Stromberg-Carlson and Zenith, which were designed with a special shaft that can be taken from the old control and be replaced in the new. We continue to guarantee Frost resistance curves and housings to be within commercial standards of electrical and mechanical accuracy.

Without Switch		With Switch	
Stock No.	Ohms	Stock No.	Ohms
G8379	5000	G8389	5000
G8380	10000	G8390	10000
G8381	15000	G8391	15000
G8382	25000	G8392	25000
G8383	50000	G8393	50000
G8384	75000	G8394	75000
G8385	100000	G8395	100000
G8386	250000	G8396	250000
G8387	500000	G8397	500000

Without Switch  
Your Cost..... **60°**

With Switch  
Your Cost..... **80°**

Stock No.	Control
G8310	R. F. Plate Voltage
G8311	Audio Transformer Shunt
G8312	Audio Transformer Shunt Tone Control

Without Switch  
Your Cost..... **45°**

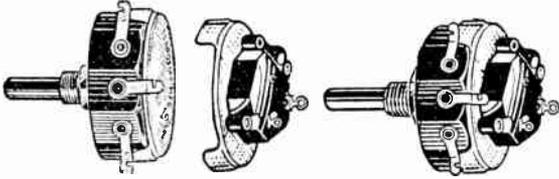
With Switch  
Your Cost..... **65°**

Replacement Part Headquarters for Dealers and Service Men

# CLAROSTAT Ad-A-Switch

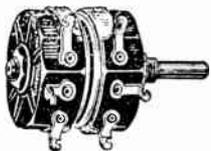
## Wire Wound Volume Controls and Switch Coverplates

Listed below a series of Clarostat Wire Wound Controls designed to fill the jobber's, dealer's and serviceman's demand for reliable wire wound single controls which can be used either with or without switches as required. The plain dust-guard coverplate supplied with these controls can be pried off and a switch type dust-guard coverplate can be snapped in its place to convert the switchless unit into a switch unit. These units are supplied less knob, with insulated shaft and bushing.



Stock No.	Resistance Ohms	Current Carrying Capacity Ma.	Tapered For, or Suggested Uses	Your Cost
F7099	50	250	Standard potentiometer.....	\$0.42
F7098	100	180	Standard potentiometer.....	.42
F7097	200	125	Standard potentiometer.....	.42
F7096	300	100	Standard potentiometer.....	.42
F7095	400	85	Standard potentiometer.....	.42
F7094	500	80	Standard potentiometer.....	.42
F7093	750	65	Standard potentiometer.....	.47
F7092	1000	55	Standard potentiometer.....	.48
F7091	1000	40	For untuned antenna control.....	.48
F7090	2000	40	Standard potentiometer.....	.48
F7089	2000	25	For untuned antenna control.....	.48
F7088	2000	25	For "C" bias control.....	.53
F7087	3000	30	Standard potentiometer.....	.48
F7086	3000	20	For combined ant. and "C" bias.....	.53
F7085	3000	20	For "C" bias control.....	.53
F7084	5000	25	Standard potentiometer.....	.48
F7083	5000	17	For combined ant. and "C" bias.....	.53
F7082	5000	17	For "C" bias control.....	.53
F7081	7500	20	Standard potentiometer.....	.48
F7080	7500	14	For combined ant. and "C" bias.....	.53
F7079	7500	14	For "C" bias control.....	.53
F7078	10000	17	Standard potentiometer.....	.53
F7077	10000	12	For ant. or R. F. coil control.....	.58
F7076	10000	12	For combined ant. and "C" bias.....	.58
F7075	10000	12	For "C" bias control.....	.58
F7074	10000	12	For screen grid voltage.....	.58
F7073	15000	14	Standard potentiometer.....	.52
F7072	15000	11	For combined ant. and "C" bias.....	.58
F7071	15000	11	For screen grid voltage.....	.58
F7070	20000	12	Standard potentiometer.....	.58
F7069	20000	10	For "C" bias control.....	.64
F7068	25000	11	Standard potentiometer.....	.64
F7067	30000	11	Standard potentiometer.....	.69
F7066	40000	10	Standard potentiometer.....	.69
F7065	50000	9	Standard potentiometer.....	.72
<b>Switch Type Coverplate</b> .....				<b>\$0.25</b>

### Clarostat Replacement Volume Controls



**FOR RADIOLA MODELS**  
R-32, RE-45, R-52, RE-75  
Dual volume control, 3800-3800 ohms. Shipping weight 8 ozs. on any 1 control.  
**F7050—Your Cost. \$1.30**

**ZENITH 50, 60, 70 SERIES**  
Dual volume control, used in late models of 50, and 60 Series, all of the 70 Series. Supplied with or without A. C. switch.  
**F7051—Without Switch.**  
**Your Cost Each \$1.10**  
**F7052—With A. C. Switch.**  
**Your Cost Each \$1.60**

### Radiola Volume Control Strips

For the serviceman that wishes to repair the old volume control by installing a new resistance strip in place of the defective one. For Models 18, 33, and 51.

**RADIOLA Models 42, 48**  
**VICTOR Models R-14, R-15**  
Made for the above receivers. No changes necessary to install this unit.  
**F7053—Your Cost. \$1.30**

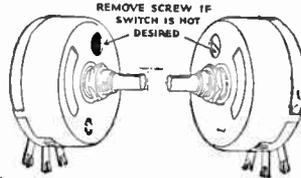
**G7670—2000 ohms.**  
For Models 44, 46, 47, 64.  
**G7671—3000 ohms.**  
For Models 60 and 62.  
**G7672—450 ohms.**  
For Model 66.  
**G7673—550 ohms.**  
For Model 64.  
**G7674—1250 ohms.**  
**Your Cost Each 24¢**  
In Dozen Lots.....\$2.50

# YAXLEY

APPROVED RADIO PRODUCTS

## New Replacement Volume Control Saves You the Cost of the Switch

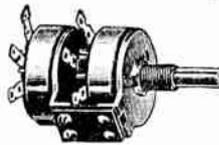
RP Type replacement controls are now made on the "H" Type base. Single RP Type contains a Yaxley built-in A.C. switch. When the switch is not desired, you merely remove a screw which cuts out the A. C. switch. This feature makes Yaxley the most convenient and most flexible unit for service men. There are no extra parts to be assembled in this self-contained volume control. This new product is designed to fit different makes of receiving sets with a minimum amount of work on the part of the service man. 3/8" bushing, shaft length 2" from base of control.



Stock No.	Yaxley Type No.	Description	List Price	Your Cost Each
F6565	RP-101	10000 ohms with 300 ohm taper.....	\$1.00	
F6566	RP-102	20000 ohms.....	1.00	
F6567	RP-103	10000 ohms.....	1.00	
F6568	RP-104	3000 ohms with 25 ohm taper.....	1.00	
F6569	RP-105	2000 ohms with 25 ohm taper.....	1.00	
F6570	RP-106	6000 ohms with 50 ohm taper.....	1.00	\$0.59
F6571	RP-107	5000 ohms with 25 ohm taper.....	1.00	
F6572	RP-108	800 ohms with 25 ohm taper.....	1.00	
F6573	RP-109	600 ohms.....	1.00	
F6574	RP-110	400 ohms.....	1.00	
F6575	RP-111	1500 ohms.....	1.00	
F6576	RP-112	1000 ohms.....	1.00	

### Special Yaxley Volume Controls

Stock No.	Yaxley Type No.	Description	List Price	Your Cost
F6585	RP-133	2000 ohms with 30 ohm taper. Special mounting.....	\$1.50	
F6586	RP-134	Special S type Control—4500 ohms with 160 ohms left in circuit.....	1.50	
F6587	RP-135	Special H type Control—4500 ohms total resistance tapered.....	1.50	\$0.88
F6588	RP-136	Special H type Control—1200 ohms tapered.....	1.50	



### Yaxley Dual Volume Controls

Yaxley type No. RP-116. Designed only for use with R. C. A. Victor R-15, RE-17, General Electric T-41, Graybar GB, Westinghouse WR-4.  
**F6589—List Price \$3.50. \$2.05 Your Cost**

Stock No.	Yaxley Type No.	Description	List Price	Your Cost
F6590	R-114	Front unit 5000 ohms. Rear unit 250 ohms.....	\$2.75	
F6591	R-115	Front unit 3800 ohms. Rear unit 3800 ohms.....	2.75	
F6592	R-117	Front unit 500 ohms. Rear unit 2500 ohms.....	2.75	
F6593	R-119	Front unit 10000 ohms. Rear unit 3000 ohms.....	2.75	
F6594	R-120	Front unit 10000 ohms. Rear unit 5000 ohms.....	2.75	\$1.62
F6595	R-121	Front unit 10000 ohms. Rear unit 825 ohms.....	2.75	
F6596	R-122	Front unit 10000 ohms. Rear unit 645 ohms.....	2.75	
F6597	R-123	Front unit 5,000 ohms. Rear unit 10000 ohms.....	2.75	
F6598	R-124	Front unit 20000 ohms. Rear unit 800 ohms.....	2.75	
F6599	R-128	Front unit 10000 ohms. Rear unit 10000 ohms.....	2.75	

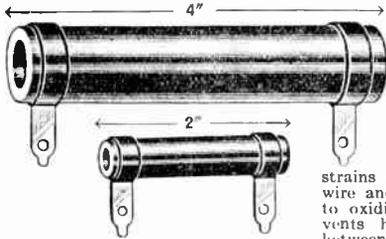
### Yaxley Jr. Rheostats and Potentiometers

Used as standard equipment by set manufacturers. Midget in size, 1 3/8" in diameter and mount in a single 1/16" panel hole. Complete with knob.

Stock No.	Ohms	Amperes	Your Cost
F6488	15	.6	\$0.58
F6489	25	.45	.58
F6490	30	.4	.58
F6491	40	.35	.58
F6492	50	.3	.58
F6493	60	.28	.58
F6494	75	.26	.58
F6495	100	.22	.58
F6496	200	.15	.58
F6497	400	.11	.58
F6498	1000	.07	.73
F6499	2000	.05	.73
F6500	3000	.04	.73
F6501	5000	.03	.88
F6502	10000	.02	.88

# Trutest Vitreous Enamel RESISTORS

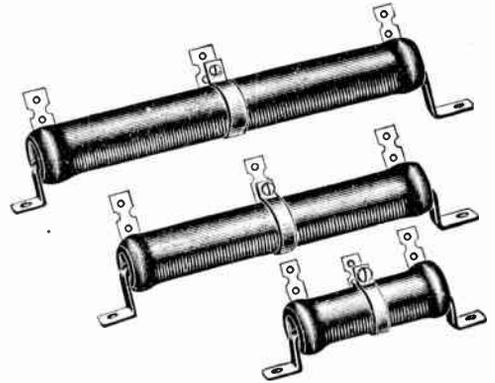
## Trutest Vitreous-Enameled Fixed Resistors



The very finest Vitreous Enameled Resistors that can be used in practically any circuit, amplifier or radio receiver. Many are the outstanding mechanical and electrical advantages; low coefficient of expansion eliminates strains at junction of resistance wire and lugs. High resistance to oxidation under firing prevents high resistance contacts between resistance wire and lugs.

Vitreous enamel insulation. Capable of withstanding high temperature. Non-porous—does not absorb moisture. Rapid heat dissipation—positive lug contact—long life and permanent resistance value. TRUTEST VITREOUS ENAMELED RESISTORS are equipped with Monel Metal Contact Lugs which do not crystallize or lose their strength under firing. By replacing with TRUTEST RESISTORS, you are assured of long and satisfactory service. These Resistors are of the highest quality obtainable and cost no more than a cheaper grade. They are conservatively rated and will withstand unusual voltage abuses. Each resistor is individually marked.

## Trutest—Semi-Variable Resistors—Vitreous Enameled Replacement Voltage Dividers for all Circuits



Trutest—Semi-Variable Resistors are the most practical replacement voltage dividers ever made. They are protected from mechanical and electrical injury through the use of Vitreous Enamel over four-fifths of the surface. Easily carried in tool kit without fear of breakage if ordinary care is taken. They permit installation in practically any circuit or receiver as the adjustable lugs may be set to the proper place without complicated meter readings. Just set the lugs to the desired points and you immediately have a made-to-order voltage divider. The adjustable lugs have small contact buttons so that several taps may be

used without "shorting out" much resistance. Trutest Resistors are wound over an Isolantite porcelain tube which supports the wire and resists the pressure of the contact button, thus freeing the winding from any strain. The wire is held firmly in place by the Vitreous Enamel which not only insulates each turn but also provides a ready path for the dissipation of the generated heat. Vitreous Enamel is one of the best conductors of heat and permits using the units to the full limit of their ratings. Mounting brackets furnished with each unit. Each unit is equipped with one sliding contact.

### 5/8x1 3/4" Isolantite Tube 10 Watt Rating

Stock No.	Ohms	Milli-amps.	Volts
E4850	1	3150	3
E4851	2	2200	4.5
E4852	3	1800	5.5
E4853	4	1600	6.5
E4854	5	1400	7
E4855	7.5	1150	8.5
E4856	10	1000	10
E4857	12	900	11
E4858	15	800	12
E4859	20	700	14
E4860	25	630	16
E4861	30	570	17
E4862	35	530	19
E4863	40	500	20
E4864	50	450	22
E4865	75	360	27
E4866	100	315	31
E4867	125	280	35
E4868	150	260	39
E4869	200	220	45
E4870	250	200	50
E4871	300	180	55
E4872	400	158	63
E4873	500	141	70
E4874	600	130	77
E4875	750	115	85
E4876	1000	100	100
E4877	1200	91	111
E4878	1500	81	122
E4879	2000	70	141
E4880	2500	63	158
E4881	3000	56	173
E4882	4000	50	200
E4883	5000	45	222
E4884	6000	41	245
E4885	7500	36	274
E4886	10000	31	316
E4887	12000	29	350
E4888	15000	26	388
E4889	20000	22	440
E4890	25000	20	500

### 1/2x2" Isolantite Tube, 20 Watt Rating

Stock No.	Ohms	Milli-amps.	Volts	Your Cost Each
E4908	5	2000	10	
E4909	10	1415	14	
E4910	25	895	22	
E4911	50	633	32	
E4912	75	517	38	
E4913	100	447	44	
E4914	150	375	57	
E4915	200	316	63	\$0.21
E4916	250	282	70	
E4917	300	258	77	
E4918	350	238	83	
E4919	400	224	90	
E4920	500	200	100	
E4921	650	176	114	
E4922	700	169	118	
E4923	750	163	122	
E4924	800	158	126	
E4925	850	153	130	
E4926	1000	141	141	
E4927	1100	135	148	
E4928	1200	129	155	
E4929	1250	126	157	
E4930	1500	115	173	
E4931	1750	107	187	
E4932	1850	104	193	
E4933	2000	100	200	
E4934	2250	94	211	
E4935	2400	91	218	
E4936	2500	89	222	
E4937	2750	85	235	
E4938	3000	81	240	
E4939	3500	75	262	
E4940	4000	71	284	
E4941	4500	66	287	
E4942	5000	63	315	
E4943	6000	57	342	
E4944	7000	53	372	
E4945	7500	51	383	
E4946	8000	50	400	
E4947	10000	44	440	
E4948	12500	40	500	
E4949	15000	37	550	
E4950	25000	28	700	
E4951	35000	24	850	\$0.38

### 3/4x4" Isolantite Tube 50 Watt Rating

Stock No.	Ohms	Milli-amps.	Volts	Your Cost Each
E4955	10	2230	22	
E4956	20	1581	36	
E4957	50	1000	50	
E4958	100	707	70	
E4959	250	447	111	
E4960	500	316	157	
E4961	700	267	185	
E4962	750	258	192	
E4963	1000	223	200	
E4964	1500	182	275	
E4965	2000	158	315	
E4966	2250	149	330	
E4967	2500	141	350	
E4968	3000	129	375	
E4969	4000	111	450	
E4970	5000	100	500	
E4971	6000	91	540	

Stock No.	Ohms	Milli-amps.	Volts	Your Cost Each
E4972	7000	84	590	\$0.40
E4973	7500	81	610	
E4974	8000	79	630	
E4975	9000	74	670	\$0.48
E4976	10000	70	700	
E4977	12000	65	760	
E4978	12500	63	780	
E4979	15000	57	850	
E4980	17500	53	940	\$0.50
E4981	20000	50	1000	
E4982	25000	44	1100	
E4983	30000	41	1200	\$0.55
E4984	40000	35	1400	.55
E4985	50000	31	1550	.60
E4986	60000	29	1750	.60
E4987	75000	26	1950	.65
E4988	100000	22	2200	.65

### 25 Watts (2" Long x 5/8" o. d.)

Stock No.	Resist. Max. Ohms	Current Max. in M. A.	List Price	Your Cost
X20740	1	5000	\$0.85	
X20741	2	3500	.85	
X20742	3	2800	.85	
X20743	5	2225	.85	
X20744	10	1500	.85	
X20745	20	1100	.85	
X20746	50	700	.85	
X20747	100	500	.85	
X20748	200	353	.85	
X20749	300	289	.85	
X20750	500	224	.85	
X20751	750	182	.85	\$0.40
X20752	800	177	.85	
X20753	1000	158	.85	
X20754	1500	129	.85	
X20755	2000	112	.85	
X20756	2250	105	.85	
X20757	2500	100	.85	
X20758	3000	91	.85	
X20759	4000	79	.85	
X20760	5000	71	.85	
X20761	6000	64	.85	
X20762	7000	60	.85	
X20763	8000	56	.85	
X20764	9000	52	.85	
X20765	10000	50	.85	

### 50 Watts (4" Long x 5/8" o. d.)

Stock No.	Resist. Max. Ohms	Current Max. in M. A.	List Price	Your Cost
X20770	100	700	\$1.30	
X20771	200	500	1.30	
X20772	300	406	1.30	
X20773	400	353	1.30	
X20774	500	316	1.30	
X20775	800	252	1.30	
X20776	1000	224	1.30	
X20777	1500	182	1.30	
X20778	2000	158	1.30	
X20779	2500	141	1.30	
X20780	3000	129	1.30	
X20781	4000	112	1.30	
X20782	5000	100	1.30	
X20783	6000	91	1.45	\$0.58
X20784	7000	84	1.45	\$0.58
X20785	8000	79	1.45	
X20786	9000	74	1.60	
X20787	10000	71	1.60	\$0.61
X20788	12000	65	1.60	
X20789	15000	58	1.75	.74
X20790	20000	50	1.80	.74
X20791	25000	45	1.80	.74
X20792	30000	41	1.85	.90
X20793	40000	35	1.90	.95
X20794	50000	32	1.95	1.00

### 6" Long x 5/8" O. D.—75 Watts

Stock No.	Resist. Max. Ohms	Current Max. in M. A.	List Price	Your Cost
X20800	100	865	\$1.75	
X20801	200	610	1.75	
X20802	300	500	1.75	
X20803	400	432	1.75	\$0.70
X20804	500	387	1.75	
X20805	750	316	1.75	
X20806	1000	274	1.75	
X20807	1500	224	1.75	
X20808	2000	194	1.75	
X20809	2500	173	1.75	
X20810	3000	158	1.75	
X20811	4000	137	1.75	\$0.79
X20812	5000	122	1.75	
X20813	6000	112	1.75	
X20814	7000	103	1.85	
X20815	7500	100	1.90	
X20816	10000	87	2.10	

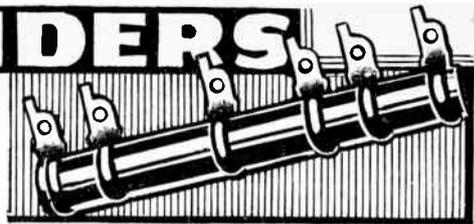
Stock No.	Resist. Max. Ohms	Current Max. in M. A.	List Price	Your Cost
X20817	15000	71	2.30	0.79
X20818	20000	61	2.30	.84
X20819	25000	55	2.45	.84
X20820	30000	50	2.50	.88
X20821	40000	43	2.55	.88
X20822	50000	39	2.60	.88

### Extra Sliders

As the above semi-variable resistors are supplied only with one slider, it will be necessary to use the same number of sliders or taps as on the divider or resistance being replaced. X20825—Your Cost Each .5¢

**We Will Not Knowingly Be Undersold**

# VOLTAGE DIVIDERS

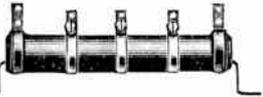


Wholesale Radio Service Co. Inc. presents below an accurate listing of voltage dividers. The serviceman can now be assured that the divider or resistance he requires is made according to original specifications.

Name and Model	Resistance	Stock No.	Your Cost
<b>ACME</b>			
AC-7	2500-1200-200	X20400	\$0.67
AC-7	200-290	X20401	.45
<b>ALL AM. MOHAWK</b>			
A, B, C, D, E, F, G, H	2000-2000-1000-300-900	X20402	.90
C-6	3000-2000-2500-900	X20403	.90
Lyric K	908-150-650-40-250-2000-1700	X20404	.90
<b>AMRAD</b>			
AC-7	2175-1555-350	X20405	.75
<b>APEX</b>			
8	500-1000-1200-600-600-550	X20406	.98
10	500-1000-1800-600-425	X20407	.95
20	55-1250-3750	X20408	.80
26	1000-2640	X20409	.65
26-P	640-360-2640	X20410	.80
27	4700-8400-10700	X20411	.73
28	7000-700-2200-70	X20412	.80
48	700-2200-700	X20413	.80
<b>ARGUS</b>			
B-125	300-435-735	X20414	.80
B-195	4000-460-700-65-280	X20415	1.75
<b>ARBORPHONE</b>			
AC	1500-20000-0-1300-275	X20416	.90
R-11	1100-250	X20417	.50
R-11	8500-2000	X20418	.70
<b>AUDIOLA</b>			
81 Series	2300-2100-850	X20419	.75
Super Pentode	10000-10000-4000	X20420	.73
<b>BALKEIT</b>			
AB6, 180-A, 180-B	6000-3000-1800	X20421	.70
C	3600-770	X20422	.55
F	4500-650	X20423	.55
B-7, B-9	7700-12000-4300	X20424	.90
A-7	10000-3200	X20425	.85
AB6, 135, B-135	6000-3500	X20426	.70
<b>BOSCH</b>			
28	5000	X20427	.55
29-825	10000-10000	X20428	.85
29-825	2000	X20429	.30
28	1200	X20430	.25
48	950-1450-2000	X20431	.65
49	1650-800-1950	X20432	.65
58	2050-1950-180-950	X20433	.70
54DC	5 ohms	X20434	.28
54DC	22 ohms	X20435	.28
60	1300-2380-160-950	X20436	.70

Name and Model	Resistance	Stock No.	Your Cost
<b>BOSCH—(Continued)</b>			
62, 63AC	1400-2600-250	X20437	\$0.70
62, 63DC	20000-5000-900-150	X20438	.95
<b>BRANDES (Kolster)</b>			
B-10	5600-0-1800-140-1000	X20439	.90
B-11	1800-0-450-45-2500	X20440	.90
B-15, B-16	2500-45-410	X20441	.85
<b>BREMER-TULLY</b>			
6-50, 6-41	3000-560-6500-5000-1660	X20442	.74
8-20, 8-21	4900-5500-3000	X20443	.70
<b>BROWNING-DRAKE</b>			
54	2600-3900-3450-4500-850	X20642	1.20
54	800-2220-1000-2500	X20643	1.20
<b>BRUNSWICK</b>			
B-17, PR-17-8	1690-205-2140-3750-410	X20444	.65
5-KR, 3-KR, 2-KR, etc.	1600-1900-440	X20445	.35
3NC8, 5NC8	400-350-350-190 (Bias)	X20446	.60
3NC8, 5NC8	2250 (Plate Resistor)	X20447	.50
3KR8 (AP-736)	7230 ohms	X20448	.95
3KR8 (AP-736)	1370-1228-1500-197-1970	X20449	1.00
3-NW-8	310-3850-310 (Bias)	X20450	.80
3-NW-8	2200-300-4000-1280	X20451	1.00
3-NW-8	1500-1000-250-130-160	X20452	1.00
3, 8, 10, 11, 13, PR-6	4920-900-700-90-40-120	X20453	1.00
PR-6	4250-4250-3200	X20454	.95
<b>COLONIAL</b>			
28	8500-7000	X20458	.70
28	2200-4000-1000	X20459	.70
28	5000-25000-25000	X20460	.80
32AC	100-40	X20461	.50
32AC	210-210	X20462	.55
33, 34	6000-5000-11000	X20463	1.00
32, 33, 34	2400-1800	X20464	.60
32 DC	34.9 ohms	X20465	.90
32 DC	1.43 ohms	X20467	.24
32 DC	5.7 ohms	X20468	.35
36	100000-65000	X20469	.80
36 DC	1.83-17.6-68	X20463	.95
<b>COLUMBIA RADIO</b>			
Screen-Grid 8	7500-10000	X20470	.70
<b>COLUMBIA (Kolster)</b>			
C-1, C-3	3000-3000-220-60-840	X20471	.75
C-2, C-4	900-120-90	X20472	.60
C-5, 961 (205)	7200-60-90-700	X20473	.70

## Trutest Universal Vitreous Enamel Voltage Dividers



Can be used in 90% of Receivers

This voltage divider is truly a Universal unit. With a stock of these on hand the service man is in a position to repair ninety percent of the receivers giving voltage divider trouble. They were designed to meet the requirements of practically all receiver and power pack circuits. One of the principal features of this divider is that no meters or testing equipment are necessary to install these units, as the resistance scale is divided into four equal sections on the resistor, and by means of the sliding contacts, you are able to adjust to the proper ohmage quickly and accurately. One or two of the undesired sections can be shunted out if not desired. They can be used in any electric set, B eliminator, amplifier, etc. The ease with which they can be adapted to any purpose requiring this type of resistor, make them an ideal unit for laboratory and experimental use as bias resistors, etc. These resistors are made of the finest quality resistance wire, wound on an Isolantite tube and coated with vitreous enamel which is fired on and thoroughly protects and covers the wire against accidental injury, moisture, and oxidation. They can be used under heavy loads without injury to wire windings as the co-efficients of expansion of the entire product are practically the same. As a precaution the resistance wire and the terminals are coated with cement, protecting joints from enamel, when the unit is fired. The tendency of a formation of oxide on the joints of the divider which would reduce its efficiency is guarded against. To be sure of efficient operation these should be selected covering the required value under operating conditions.

Equipped with 4 Variable Taps 50 watts— $\frac{3}{4}$ "x4" long.		Equipped with 5 Variable Taps	
X20728	13000 ohms \$0.85	X20732	25000 ohms \$0.95
X20729	15000 ohms .85	X20733	36000 ohms 1.00
X20730	18000 ohms .85	X20734	41000 ohms 1.00
X20731	25000 ohms .85	X20735	45000 ohms 1.00

## Steinite Voltage Dividers



Replacement dividers and resistor for Steinite receivers. 11900 ohms, tapped at 5000-5000 and 1900 ohms. 50 watt, 4" long.

X20645—Your Cost Each **45¢**  
Per Dozen **\$5.00**

450 ohm Resistor, 75 watt rating, 6" long,  $\frac{3}{4}$ " diam.

X20646—Your Cost Each **35¢**  
Per Dozen **\$3.95**

## Peerless "El Menco" Voltage Divider



For Peerless Courier and Kytectron Sets. Total resistance 225000 ohms; tapped at 100000, 25000; 50000; and 50000.  $\frac{3}{4}$  in. long.

X20558—Your Cost **60¢**

## Genuine Philco Replacements For Model No. 65



Total resistance 2700 ohms; tapped at 2000, and 700. Can be used separately such as the 700 ohm as a C Bias Resistor, and the 2000 ohm as a dropping resistor in the field of a speaker.

X20554—Your Cost Each **49¢**  
In Dozen Lots **\$5.00**

## General Motors Voltage Dividers Model M. A. Little General



Original replacement voltage dividers for above receiver. 46000 ohms, tapped at 25000-15000 and 6000.

X20525—Your Cost Each **55¢**  
2265000 ohms, tapped at 2 meg.—250000 and 15000 ohms.  
X20526—Your Cost Each **55¢**

# VOLTAGE DIVIDERS [Continued]

Name and Model	Resistance	Stock No.	Your Cost
<b>COLUMBIA (Kolster)—(Continued)</b>			
C-5 (310)	3400-3800-55-80-140-360	X20474	\$0.95
930-300	2000-140-500	X20475	.40
C-500	2000-135-500	X20476	.45
902, 930, 980	2100-120-430	X20477	.70
920	1650-110	X20478	.70
931	6000-2200-135-700	X20479	.70
940	2500-45-110	X20480	1.00
950	9000-3200-140-70-700	X20481	.70
950	30000-20000	X20482	.70
980	6000-55-100	X20483	.70
<b>CROSLLEY</b>			
704 AC Jewelbox	540-55-55	X20484	.70
704 AC	3475-1525	X20485	.72
77, 77-1, 120	1750-2000-225-320	X20486	.90
<b>DAYFAN</b>			
6 Jr. 5524, 5525	2000-3000-1300	X20488	.70
5050 Power Unit	1400-3500-5800-7000-180-650	X20489	1.15
5080 Power Unit	1100-100-2000-3300-950	X20490	1.10
<b>EARL</b>			
31, 31S, 32, 32S, 41, 33, 33S	4000-0-750	X20491	.50
<b>EDISON</b>			
R-1, R-2, C-2	12500	X20492	.29
R-4, R-5, C-4	10000	X20493	.45
R-1, R-2, C-2	750-750	X20494	.65
All Models	8000	X20495	.29
<b>FADA</b>			
42, 44, 41, 46, 47	800-300-100	X20497	.65
<b>FEDERAL</b>			
D, E, F, G, Units	135-2000-300-350	X20499	.95
H Unit	3500-13000	X20500	.85
<b>FREED</b>			
78, 78S, 79, 79S, 90, 90S, 85, 65	4000-0-750	X20491	.55
<b>FREED-EISEMANN</b>			
NR-11	7.5 ohms	X20501	.50
NR-11	360-90-90	X20502	.50
NR-11	1750 ohms	X20503	.50
NR-57, NR-60	1750 ohms	X20503	.50
NR-57, NR-60	350-2000	X20504	.60
NR-70	1150-2000-350	X20505	.85
NR-80	2000-350	X20506	.65
NR-485	1900-2000-350	X20507	.70
<b>FRESHMAN</b>			
N-11, N-12	2200-6600-3300-4500-1500	X20508	.60
"G"	2100-3000-4300-1250-300	X20509	.65
M60-S	10000-12500	X20534	.75
H	9300	X20535	.75
H	20, 300	X20536	.75
<b>GENERAL MOTORS</b>			
"A" Chassis, 120, 130, 140, 150, 160	1400-3500-5800-7000-180-650	X20510	1.15
	800-59-1863-2000-465	X20511	1.10
	6900-7600-4800	X20512	1.40

Name and Model	Resistance	Stock No.	Your Cost
<b>GENERAL MOTORS—(Continued)</b>			
M. A. Little General 252	150-18000-14550	X20527	\$0.55
251 (S2A & S2B)	4800-7600-6900	X20528	.95
<b>GRAYBAR</b>			
17	1690-205-2140-3750-410	X20444	.60
500, 550	2800-900-3600-110	X20563	.95
500, 550	500-0-1460-540-0-80 (No. 1)	X20563	.95
	500-0-1600-440 (No. 2)	X20564	.75
311	1600-1900-440	X20445	.28
340	400-350-350-190 (Bias)	X20446	.65
340	2250 (Plate Resistor)	X20447	.40
600	375-90 (Bias)	X20513	.50
600	4800 (Plate Resistor)	X20514	.40
678	3200-830-120-715	X20639	.60
<b>GREBE</b>			
SK-4	677-2200-62	X20515	.80
SK-4	7000-10000-1500	X20516	1.05
AC-6	750-2800-5900	X20517	.70
AC-6	6300-95-695	X20518	.80
AC-7	20000-6000	X20519	.65
<b>GULBRANSEN</b>			
AC-8	3100-9473-11250-150	X20520	.95
<b>HAMMERLUND</b>			
Hi-Q 30	800-2000-1400-3000-2000	X20521	.75
Hi-Q 31	2400-2800-1850-3750-850	X20522	1.05
<b>HOWARD</b>			
135-AC	1600-12000	X20523	.90
<b>KELLOGG</b>			
523, 528	1000-3000-1500-1000-130	X20537	1.80
<b>KOLSTER</b>			
6J, 6K, 6R	3000-3000-220-900	X20538	.70
6H	500-5000-940	X20539	.65
K-20, 22, 25, 27	840-60-220-3000-3000	X20540	.50
K-21, K-23	90-125-900		.55
K-24	3400-3800-55-80-140-360	X20541	.70
K-38	3600-55-75-700	X20542	.70
K-42	840-140-2600	X20543	.70
K-43	1600-1000-380	X20544	.90
K-44, K-45	1450-650-200-350	X20545	.80
K-50	1500-2000-100-2000	X20546	.70
K-50	1525-2500-280-400	X20547	.90
K-60, K-62	4000-1500-1500-200	X20548	.90
K-70, K-72	3000-3000-2000-200	X20549	.90
K-90, 92-, 80, 82	6000-7000-3000-250	X20533	.90
<b>MAJESTIC</b>			
20	4000-7000-750-150	X20550	.90
30	2360-3800-3460-0-101-750	X20551	1.00
130-A	4875-5230-3340-7900-154	X20552	1.00
<b>PHILCO</b>			
20, 20-A	1400-187-75-0-2470-975	X20553	.60
65	2000-700	X20554	.65
76, 77, 77-A	800-250	X20555	.60



**RCA Voltage Divider**  
For Model 32 A.C.

The original RCA Replacement Voltage Divider for the above model. Tapped at 438, 286, 1590, and 1700 ohms. RCA No. 2023.  
X20708—Your Cost **95¢**

For Model 30-A

Similar in appearance to above. Original RCA Part No. 2021. 6700 ohms, tapped at 3000, 2000, 300, 500 and 900 ohms.  
X20559—Your Cost **95¢**

**Replacement Voltage Dividers**  
For Victor Models R-32, RE-45, R-52, RE-75



The genuine Victor Replacement Voltage Divider. Total resistance, 4325 ohms, tapped at 2000, 1350, 200, and 775 ohms.  
X20632—Your Cost Each **65¢**

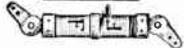
**GENUINE MAJESTIC RESISTANCES**



1000 ohm resistor, for Majestic 70 Series. Part No. 107.  
X20682—Your Cost Ea. **20¢**



1/4 ohm Hum Buckler. Rheostat Type. Part No. 106  
X20680—Your Cost Each **15¢**



20 ohm center-tap for Majestic 70, 80, and 90 Series. Part No. 1010.  
X20685—Your Cost **15¢**

**Yaxley 20 Ohm C. T. Resistor**



These resistors are made of the highest grade wire, are accurate, and are space wound on fibre, with eyeletted soldering lugs. Tapped with soldering lug at the electrical center. Can be used as hum control, and for other general purposes.  
F6300—Your Cost Each **6¢**  
In Lots of Ten, 50¢



R. F. Grid Bias Resistor for Majestic Model 70 and 90 Series. 550 ohms.  
X20681—Your Cost Ea. **12¢**



2170 ohm Resistor, for Majestic 70 Series. Part No. 102.  
X20683—Your Cost Ea. **20¢**

3600 Ohm Resistor, for Majestic 90 Series. Part No. 399.  
X20684—Your Cost Ea. **20¢**

**"C" Bias Resistors**



For use as a "C" bias or a Plate Resistor. 600 ohm enameled wire-wound resistor, 10 watt. 2 ins. long.  
E4992—Your Cost Each **10¢**

900 ohm Aerovox enameled wire-wound. 10 watt. 1 in. long.  
E4993—Your Cost Each **10¢**

1000 ohm enameled wire-wound resistor with mounting legs. 20 watt. 2 in. long.  
E4994—Your Cost Each **15¢**

**R. C. A. Voltage Divider Strip for Models 18 & 51**



Wire wound Resistor Strip, tapped at 490, 1900, and 1600 ohms. RCA Part 2242. Overall size 4 5/8 x 1 x 3/4 ins.  
X20445—Your Cost **25¢**

**Plate Resistor for RCA 60 and 62**

Part No. 5816. 2250 ohms. Resistance Strip similar in appearance to above.  
X20447—Your Cost **40¢**

**Bias Divider—Models 60 and 62**

Part No. 5810. Tapped at 400, 350, 350 and 190. Resistance Strip as above.  
X20446—Your Cost **50¢**

**R. F. Bias Resistor For Model 66**

Part No. 6026. Resistance Strip 465 ohms, tapped at 90 ohms.  
X20513—Your Cost **40¢**

**A. K. C. T. Resistor**



Used in Atwater Kent sets, 20 ohm center tap resistance, tapped at electrical centers.  
F6551—Your Cost Each **6¢**  
In Lots of Ten, 50¢

# VOLTAGE DIVIDERS [Continued]

Name and Model	Resistance	Stock No.	Your Cost
<b>PHILCO—(Continued)</b>			
76, 77, 77-A	2000-1500-1400	X20556	\$0.65
87	3785-157-0-640	X20557	.75
<b>PEERLESS</b>			
22	100000-50000-50000-25000	X20558	.75
<b>RCA—RADIOLA</b>			
17, 50	1690-205-2140-3750-410	X20444	.60
18, 33, 51	1600-1900-440	X20445	.50
30	4920 (Resistor No. 4)	X20705	.95
30	620-3380 (Resistors Nos. 2 and 3)	X20706	.95
30	2600-1400 (Resistor No. 1)	X20707	.95
30-A	3000-2000-300-500-900	X20559	.95
30-A	300 ohms		.25
32	4920 (Resistors Nos. 2 and 3)	X20705	.95
32	438-286-1590-1700	X20708	.95
33 D. C.	166-118	X20709	.95
33 D. C.	16-16-16	X20710	.75
41 (Receptor)	12300-8000-5000	X20560	.95
41 (Sterling)	17400-8600	X20561	.85
41 (Sterling)	4200-380-1420	X20562	.95
44	2800-900-3600-1100	X20563	.95
44	500-0-1460-510-0-80	X20564	.75
46, 47	2800-900-3600-1100	X20563	.95
46, 47	1460-510-0-80	X20565	.95
44, 46 D. C.	195-165-110	X20712	.95
44, 46 D. C.	2250-1925-1190	X20713	.95
44, 46 D. C.	16-16-16	X20710	.75
42 and 48	3200-830-120-715	X20639	.60
60, 62	400-350-350-190 (Bias)	X20446	.65
60, 62	2250 (Plate Resistor)	X20447	.40
64	1280-1000-300-2200	X20566	1.10
64	1500-1000-250-130-160	X20567	1.00
64, 67	310-3850-310 (Bias)	X20568	.80
66	375-90 (Bias)	X20513	.50
66	4800 ohms (Plate)	X20514	.70
67	2400-960-240-115-215-100	X20569	.95
67	1435-3400-300-2200	X20570	1.10
104 Loudspeaker	4920 (Resistor No. 4)	X20705	.95
104 Loudspeaker	620-3380 (Resistors Nos. 2 and 3)	X20706	.95
104 Loudspeaker	2600-1400 (Resistor No. 1)	X20707	.95
105 Loudspeaker	1325-65-140-1446 (No. 1)	X20571	1.25
105 Loudspeaker	1050-1300-1325 (No. 2)	X20572	1.25
105 Loudspeaker	4000 ohms (Nos. 3 and 4)	X20573	1.10
Duo-Rectron Amplifier	1050-6000-2950-3000	X20713	1.50
Uni-Rectron Amplifier	4920 (Resistor No. 2)	X20705	.95
Uni-Rectron Amplifier	650-100-275 (Resistor No. 1)	X20714	.75
Uni-Rectron Amplifier	2450 (Resistor No. 3)	X20715	.75
<b>SILVER-MARSHALL</b>			
651	3800-4200-730-990	X20574	.90
651	6200-1000	X20575	1.25
655	11350 ohms Divider	X20576	.95
659	10-300 ohms Divider	X20577	.95
660	6000-4000-1500	X20578	.80
672, 669	3000-0-1250-1250	X20579	.70
<b>SPARTAN</b>			
AC-7, 62, 63	2200-70	X20580	.90
110	20000-2000-7000	X20581	.50
110 DeLuxe	7000	X20582	.60
110 DeLuxe	900	X20583	.25
Sparks Ensemble	3000	X20584	.65
<b>SAMSON "PAM"</b>			
Pam Model 25	30000-800	X20585	.70
Pam Model 25	60000	X20586	.75
Pam Model 210	1540-19300	X20587	.80

Name and Model	Resistance	Stock No.	Your Cost
<b>SAMSON "PAM"—(Continued)</b>			
Pam Model 210	1560-775-11000	X20588	\$0.80
PABC 2	740-90-90	X20589	.60
PABC 2	1500-2000-560	X20590	.75
PABC 3	460-60-50	X20591	.60
PABC 4	1750-1100	X20592	.75
PABC 5	5000-1100-1100	X20593	.80
DeLuxe	45-45-310-30	X20594	.75
<b>SONORA</b>			
B-30, B-31	800-1000-1200-4000	X20595	.75
880	2500-5500-4500		
885	150-650	X20596	1.25
885	5000-150-700	X20597	.75
	2900-5000	X20598	.75
C-885	2500-3000-3000-675	X20599	.95
<b>SPLITDORF</b>			
"Abbey"	12500	X20492	.29
"Abbey"	10000	X20493	.40
"Abbey"	8000	X20495	.29
<b>STEINITE</b>			
22	1700-4000-8000	X20600	.85
26	8000-8000	X20601	.75
40	3000-11740-4270-1190	X20602	.90
50	8100-11750-5200-827	X20603	.90
70, 80, 95	10000-10000-2440	X20604	.95
991	1000-1000-250-0-250	X20605	.70
<b>STROMBERG</b>			
10, 11	4000-100-780	X20607	.70
10, 11	4760-3200-1900	X20608	.80
12, 14	4000-4000-3025	X20609	.90
12, 14	5000-100-1210-260	X20610	.80
403-B	27-6	X20611	.70
403-B	3000-2500	X20612	.70
403-B	3000-70-700	X20613	.70
635, 636	2500-3000-3000-770	X20614	.90
638	2500-6000-500	X20615	.90
816, 848	6000-3200	X20616	.70
846, 848	4350-1700-330	X20617	.70
846, 848	725 ohms	X20618	.40
403, 403-A	2500-3000-3000-70-770	X20647	.90
641, 642, 652, 654	1450-4000-3000-1300	X20619	.85
641, 642, 652, 654	1780-3200	X20620	.75
641, 642, 652, 654	170	X20621	.25
641, 642, 652, 654	7800-4500-3000-4000	X20622	.90
Early 10, 11	4760-3200-5900-100-780	X20623	.90
Early 10, 11	4760-3200	X20624	.90
Early 10, 11	5900-100-780	X20625	.70
Early 10, 11	1100-2000	X20626	.70
Early 10, 11	3000-3000	X20627	.70
<b>TEMPLE</b>			
D. C.	11-12	X20628	.60
7-60, 7-80	8000-1600-8000-4000	X20629	.75
8-60, 80-90	900-5200-750	X20630	.60
<b>THORDARSON</b>			
R-171 Power Unit	2000-3000-3000-3000-2000	X20631	.75
<b>VICTOR</b>			
7-11, 7-25, 7-26	1690-205-2140-3750-410	X20444	.75
9-18, 9-54	1280-4000-300-2200	X20566	1.10
9-18, 9-54	1500-1000-250-130-160	X20567	1.00
9-18, 9-54	310-3850-310 (Bias)	X20568	.80
R-32, RE-45, R-52, RE-75	2000-1350-200-775	X20632	.70
14, 15, 17	3200-830-120-715	X20639	.60
<b>WESTINGHOUSE ELECTRIC</b>			
WR-4	3200-830-120-715	X20639	.60
<b>ZENITH</b>			
ZE-10, ZE-12, ZE-13, ZE-15, ZE-16 Power Units	6000-7800-8000-2500	X20635	.75
ZE-18 Power Unit	13600-11000-9500-1800	X20636	.90
ZE-11 Power Unit	3200-1200-1200-1600	X20637	.90
ZE-50, ZE-60, ZE-70 Series Power Units	2800-2350-850	X20638	.90

### YAXLEY Tapped Resistances



Space Wound, Center Tap Electrical Centered

Stock No.	Resistance in Ohms	Mounting Centers	Net Price
F6301	6	1 1/4 in.	\$ .18
F6302	10	1 3/16 "	.18
F6303	12	1 9/16 "	.18
F6304	15	1 3/4 "	.18
F6305	20	1 11/16 "	.18
F6306	30	2 1/16 "	.18
F6307	50	1 5/8 "	.18
F6308	64	1 3/4 "	.18
F6309	100	2 3/8 "	.24
F6310	400	2 "	.24

### YAXLEY Resistance Units

Small, accurate, provided with combination screw eye and solder lug. List Each 15c

Net. **9c**

(Ohms)	(Ohms)
F6330-1	F6337-10
F6331-2	F6338-15
F6332-3	F6339-20
F6333-4	F6340-25
F6334-5	F6341-30
F6335-6	F6342-40
F6336-8	

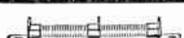
### Center-Tapped Resistor

Assembly for RCA 60, 62, 64

Combines two 20 ohm center-tapped resistances mounted on a metal bracket.

RCA 5815. X20686

Your Cost. **15c**

### Trutest Resistances

Wire wound filament resistances. Dependable construction; run true to rating. Resistance values of 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 25, 30, 40, 50 and 60 ohms.

D3997—List 15c  
Your Cost Each. **8c**

Resistance values of 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000 and 1500 ohms.

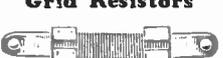
D3998—List 25c  
Your Cost Each. **10c**

### Center Tap Resistances

Same as above, but tapped at the electrical center. Available in 10, 20, 30, 40, 50, 60, 100 and 200 ohms.

D3999—List 30c  
Your Cost Each. **12c**

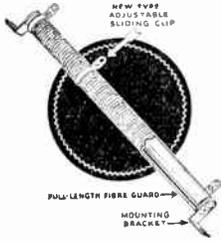
### YAXLEY Grid Resistors



Wire wound for the grid line. Mount directly to socket. Illustrated above.

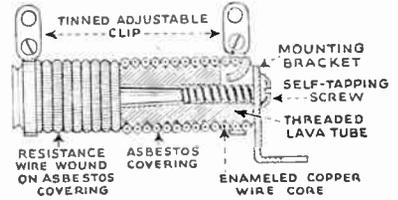
Stock No.	Resistance in Ohms	Mounting Centers	Net Price
F6315	100	1 3/16 in.	\$ .18
F6316	200	1 1/8 "	.18
F6317	300	1 1/4 "	.18
F6318	400	1 1/2 "	.18
F6319	500	1 3/4 "	.18
F6320	600	1 7/8 "	.24
F6321	700	1 7/8 "	.24
F6322	800	1 3/4 "	.24
F6323	1000	1 15/16 "	.24
F6324	1500	2 1/8 "	.24
F6325	2000	3 1/16 "	.24
F6326	3000	4 "	.24

# New Design TRUVOLT RESISTORS



## Truvolt Adjustable Resistors

Now, beside the incorporation of a new 10 watt line, many new improvements and still greater advantages are to be gained through the use of this time-tested product. The adjustable clip has been re-designed to afford more effective resistance and unique end brackets are supplied with each B, C, and D type resistor. A new protective insulating sleeve is supplied with each resistor. There is now greater insulation (1000 volt insulation) to heat conducting copper core. Self-tapping screws are supplied to fit inside diameter of tube.



### TYPE A—10 WATTS

Stock No.	Resistance in Ohms	Current in M. A.	Your Cost
G7150	1	3150	
G7151	2	2200	
G7152	2.5	2000	
G7153	3	1800	
G7154	5	1400	
G7155	7.5	1150	
G7156	10	1000	
G7157	15	815	
G7158	20	700	
G7159	25	630	
G7160	30	570	
G7161	50	450	
G7162	75	360	
G7163	100	315	
G7164	200	220	
G7165	300	180	
G7166	400	158	
G7167	500	141	
G7168	800	112	
G7169	1000	100	
G7170	1250	89	
G7171	1500	81	
G7172	2000	70	
G7173	2500	63	
G7174	3000	56	
G7175	4000	50	
G7176	5000	45	
G7177	7500	36	
G7178	10000	31	
G7179	15000	26	
G7180	20000	20	
G7181	25000	16	

Each 50.30

Weight 12 units, in container 13 ozs.

List Price 50c Each.

### TYPE B—25 WATTS

#### 2" Long

Stock No.	Resistance in Ohms	Current in Milli-amperes	Your Cost
G7212	100	500	.49
G7213	200	353	.49
G7214	250	320	.49
G7215	300	289	.49
G7216	400	250	.49
G7217	500	224	.49
G7218	750	182	.49
G7219	800	177	.49
G7220	850	165	.49
G7221	1000	158	.49
G7222	1250	141	.49
G7223	1500	129	.49
G7224	2000	112	.49
G7225	2250	105	.49
G7226	2500	100	.49
G7227	3000	91	.49
G7228	3500	81	.49
G7229	4000	79	.49
G7230	4500	75	.49
G7231	5000	71	.49
G7232	6000	64	.49
G7233	7000	60	.49
G7234	7200	59	.49
G7235	7500	58	.49
G7236	8000	56	.52
G7237	9000	53	.55
G7238	10000	50	.58
G7239	12000	45	.58
G7240	15000	41	.58
G7241	20000	35	.67
G7242	25000	32	.67
G7243	30000	29	.73
G7244	40000	25	.76
G7245	50000	22.5	.82

Weight 1 unit in carton, 1 oz.  
Weight 12 units in container, 13 ozs.  
Extra Sliders Each 5 cents.  
50 cents per doz.

### TYPE C—50 WATTS

#### 4" Long

Stock No.	Resistance in Ohms	Current in Milli-amperes	Your Cost
G7246	100	700	.79
G7247	200	500	.79
G7248	300	406	.79
G7249	400	353	.79
G7250	500	316	.79
G7251	750	259	.79
G7252	800	252	.79
G7253	1000	224	.79
G7254	1250	200	.79
G7255	1500	182	.79
G7256	2000	158	.79
G7257	2250	149	.79
G7258	2500	141	.79
G7259	3000	129	.79
G7260	3500	119	.79
G7261	4000	112	.79
G7262	4500	105	.79
G7263	5000	100	.79
G7264	6000	91	.87
G7265	7000	84	.87
G7266	7200	83	.87
G7267	7500	82	.87
G7268	8000	79	.87
G7269	9000	74	.87
G7270	10000	71	.96
G7271	12000	65	.96
G7272	15000	58	.96
G7273	20000	50	1.05
G7274	25000	45	1.08
G7275	30000	41	1.11
G7276	40000	35	1.14
G7277	50000	32	1.17
G7278	60000	29	1.23
G7279	80000	25	1.31
G7280	100000	22.5	1.47

Shipping weight 1 unit, 8 ozs.  
Shipping weight 6 units, 1 lb.

### TYPE D—75 WATTS

#### 6" Long

Stock No.	Resistance in Ohms	Current in Milli-amperes	Your Cost
G7281	100	865	\$0.94
G7282	200	610	.94
G7283	300	500	.94
G7284	400	432	.94
G7285	500	387	.94
G7286	750	316	.94
G7287	800	306	.94
G7288	1000	274	.94
G7289	1250	245	.94
G7290	1500	224	.94
G7291	2000	194	.94
G7292	2250	182	.94
G7293	2500	173	.94
G7294	3000	158	.94
G7295	3500	146	.94
G7296	4000	137	.94
G7297	4500	129	.94
G7298	5000	122	.94
G7299	6000	112	.96
G7300	7000	103	.96
G7301	7200	102	.96
G7302	7500	100	.99
G7303	8000	97	.99
G7304	9000	19	.99
G7305	10000	87	1.11
G7306	12000	79	1.11
G7307	15000	71	1.26
G7308	20000	61	1.26
G7309	25000	55	1.31
G7310	30000	50	1.31
G7311	40000	43	1.31
G7312	50000	39	1.46
G7313	60000	35	1.62
G7314	80000	31	1.62
G7315	100000	27	1.62

Shipping weight per unit, 8 ozs.

## Truvolt Wire Wound Pigtail Resistors



Accuracy  
+ or - 5%

These wire wound resistors have been particularly developed to fulfill the serviceman's requirement of a quality resistor that can be used to replace defective carbon type pigtail resistors of the lower ohmic values. It is in those values that a noiseless resistor (wire wound) with unlimited life should be used. The Truvolt Type PG resistors have a negligible temperature coefficient which means that the ohmic value will be the same for any current or voltage within the ratings as listed below.

### 1 Watt 5/16" x 1 3/8"

Stock No.	Max. Current in M.A.	Stock No.	Max. Current in M.A.	Stock No.	Max. Current in M.A.
E4790	5 445	E4803	250 63	E4816	1000 31
E4791	10 315	E4804	300 58	E4817	1250 28
E4792	15 260	E4805	350 53	E4818	1500 26
E4793	25 200	E4806	375 52	E4819	1600 25
E4794	40 160	E4807	400 50	E4820	1750 24
E4795	50 140	E4808	450 47	E4821	2000 22
E4796	60 129	E4809	500 45	E4822	2250 21
E4797	75 115	E4810	600 41	E4823	2500 20
E4798	100 100	E4811	700 38	E4824	3000 18
E4799	125 89	E4812	750 37	E4825	3500 17
E4800	150 81	E4813	800 35	E4826	4000 15
E4801	200 71	E4814	850 34	E4827	4500 14
E4802	225 66	E4815	900 33	E4828	5000 13

List Price 25c. Your Cost Each 15c

List Price 25c. Your Cost Each 15c

List Price 25c. Your Cost Each 15c

## Truvolt Flexible Resistors



### 2 Watts — 2 in. Long with Pigtails

Stock No.	Max. Current in M.A.	Stock No.	Max. Current in M.A.	Stock No.	Max. Current in M.A.
G7725	25 273	G7736	600 57	G7746	2000 31
G7726	50 200	G7737	750 51	G7747	2500 28
G7727	100 142	G7738	800 50	G7748	3000 26
G7728	150 116	G7739	900 47	G7749	3500 24
G7729	200 100	G7740	1000 45	G7750	4000 22
G7730	225 94	G7741	1100 42	G7751	4500 21
G7731	300 81	G7742	1200 40	G7752	5000 20
G7732	350 75	G7743	1500 36	List Price any size 30c.	
G7733	400 70	G7744	1600 35	Your Cost Each 18c	
G7734	450 66	G7745	1750 33		
G7735	500 63				

### 5 Watts — 5 in. Long with Pigtails

Stock No.	Max. Current in M.A.	Stock No.	Max. Current in M.A.	Stock No.	Max. Current in M.A.
G7753	100 225	G7764	1500 63	G7774	7500 28
G7754	150 182	G7765	1800 58	G7775	8000 27
G7755	200 157	G7766	2000 55	G7776	9000 26
G7756	250 143	G7767	2500 49	G7777	10000 25
G7757	300 129	G7768	3000 45	G7778	11000 23
G7758	400 112	G7769	3500 41	G7779	12000 22
G7759	500 100	G7770	4000 39	G7780	12500 21
G7760	750 89	G7771	5000 35	List Price any size 40c.	
G7761	850 84	G7772	6000 32	Your Cost Each 24c	
G7762	1000 77	G7773	7000 29		
G7763	1250 72				

**We Will Not Knowingly Be Undersold**

# Trutest Carbon Resistors

## Trutest Carbon Resistors

**\$2.25**  
Net



R. M. A.  
Color Coded  
Resistors in  
Sturdy Metal  
Box with  
Hinged  
Cover

Free!  
Color  
Code  
Chart

**Twenty-Five Certified Trutest R. M. A. color coded 1 watt resistors** in a neat and durable finished metal case measuring 4 1/4 x 5 1/4 x 3/4" deep. The handiest arrangement ever devised for the serviceman. Over a thousand ranges possible by different combinations of these units. Kit contains one each of the following high grade resistors:

Ohms	Ohms	Ohms	Ohms	Ohms
200	1000	10000	30000	100000
400	2000	12500	40000	250000
500	3000	15000	50000	500000
600	4000	20000	60000	1 Meg.
700	6000	25000	75000	2 Meg.

**E4432**—Shipping weight 1 1/4 lbs. **\$2.25**  
Your Cost per Kit.....

**Forty-Eight Certified Trutest R. M. A. color coded resistors** of the most popular sizes in a substantial metal case. Size 10 1/4 x 1 1/4 x 3/4" deep. Contains one each of the following high grade resistors:

Ohms	Ohms	Ohms	Ohms
1-200	1-3000	1-20000	1-125000
2-400	2-4000	2-25000	1-250000
2-500	2-5000	1-30000	2-500000
1-600	1-6000	1-40000	1-750000
1-800	1-8000	2-50000	2-1 Meg.
2-1000	2-10000	1-60000	1-1 1/2 Meg.
1-1500	1-12500	1-75000	2-2 Meg.
2-2000	1-17500	3-100000	1-3 Meg.
1-2500	1-15000		

**E4433**—Shipping weight 2 1/4 lbs. **\$4.15**  
Your Cost per Kit.....

### Special Philco Resistor Kit

This Kit enables you to Resistor Service any model Philco set or in fact any make or type of receiver. Forty of the finest quality resistors are contained in a neat and durable finished Metal Case, 10 1/4 x 1 1/4 x 3/4" deep. Thousands of odd combinations of values possible with this kit. Free color code chart with each kit. Shipping weight 3 lbs.

#### 1/2 AND 1/4 WATT SIZES

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
1000	8000	20000	45000	99000	330000	2 Meg.
2900	10000	25000	51000	160000	490000	4 Meg.
5000	15000	32000	70000	240000	240000	1 Meg.

#### 1 WATT SIZES

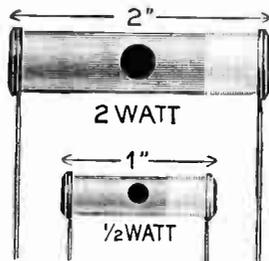
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
1000	8000	20000	32000	70000	240000
2000	10000	25000	51000	99000	490000
5000	15000			190000	1 Meg.

#### 2 WATT SIZES

Ohms	Ohms	Ohms	Ohms
1000	15000	20000	51000

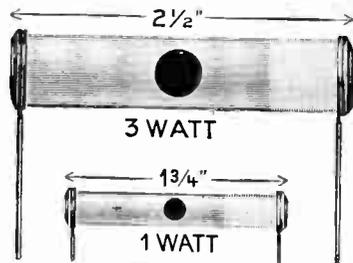
**E4434**—Complete Kit of 40 Resistors.

Your Cost..... **\$3.95**



2 WATT

1/2 WATT



3 WATT

1 WATT

TRUTEST RESISTORS are R. M. A. Color Coded for easy identification and are made of the finest material and workmanship. **Guaranteed accuracy, 10% plus or minus.** The average are within 5%. Resistance values read approximately the same at any normal voltage—most important for resistance service work. No moisture can possibly penetrate, so age cannot change the resistance

value. Great mechanical strength eliminates any chance of accidental breakage. Carefully calibrated resistance material is forced under tons of pressure through double dies in conjunction with a paste-like ceramic. This is baked for hours in huge ovens, and then fired at over 2500°F. After this procedure, no ordinary service or overload temperatures can damage the resistor.

Resistance Ohms	1/2-Watt Stock No.	1-Watt Stock No.	2-Watt Stock No.
200	E4250	E4300	E4450
400	E4251	E4301	E4451
500	E4252	E4302	E4452
600	E4253	E4303	E4453
700	E4254	E4304	E4454
800	E4255	E4305	E4455
1000	E4256	E4306	E4456
1250	E4257	E4307	E4457
1500	E4258	E4308	E4458
2000	E4259	E4309	E4459
2500	E4260	E4310	E4460
3000	E4261	E4311	E4461
3500	E4262	E4312	E4462
4000	E4263	E4313	E4463
5000	E4264	E4314	E4464
6000	E4265	E4315	E4465
7000	E4266	E4316	E4466
7500	E4267	E4317	E4467
8000	E4268	E4318	E4468
10000	E4269	E4319	E4469
12500	E4270	E4320	E4470
15000	E4271	E4321	E4471
17500	E4272	E4322	E4472
20000	E4273	E4323	E4473
25000	E4274	E4324	E4474

Resistance Ohms	1/2-Watt Stock No.	1-Watt Stock No.	2-Watt Stock No.
30000	E4275	E4325	E4475
40000	E4276	E4326	E4476
50000	E4277	E4327	E4477
60000	E4278	E4328	E4478
70000	E4279	E4329	E4479
75000	E4280	E4330	E4480
100000	E4281	E4331	E4481
125000	E4282	E4332	E4482
150000	E4283	E4333	E4483
200000	E4284	E4334	E4484
250000	E4285	E4335	E4485
300000	E4286	E4336	E4486
500000	E4287	E4337	E4487
Megohms			
1	E4288	E4338	E4788
2	E4289	E4339	E4789
3	E4290	E4340	E4790
4	E4291	E4341	E4791
5	E4292	E4342	E4792
6	E4293	E4343	E4793
7	E4294	E4344	E4794
8	E4295	E4345	E4795
9	E4296	E4346	E4796
10	E4297	E4347	E4797

1/2-Watt } Your Cost  
1-Watt } Each..... **9¢**  
Per Dozen..... **95c**  
Per Hundred..... **\$7.75**

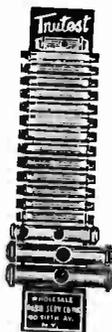
2-Watt } Your Cost Each..... **15¢**  
Per Dozen..... **\$1.70**  
50 For..... **7.00**

### 3-WATT CAPACITY

Stock No.	Res. Ohms						
E4370	1000	E4375	7500	E4380	25000	E4385	100000
E4371	1500	E4376	10000	E4381	30000	E4386	150000
E4372	2000	E4377	12500	E4382	40000	E4387	250000
E4373	2500	E4378	15000	E4383	50000	E4388	500000
E4374	5000	E4379	20000	E4384	75000	E4389	1 Meg.

3-Watt } Your Cost Each **18¢** Per Dozen..... **\$1.80**  
25 For..... **3.55**

### Atwater Kent Resistor Service Strip



NOW for the first time you are able to secure resistors of the highest quality for all Atwater-Kent Replacements. Each and every resistor is of the same value as the original. Strip contains one each of the necessary resistances to service any Atwater-Kent model receiver. The following are A. K. color coded resistors:—Yellow, Maroon, Gray, Blue and Red, Black, Purple, Purple Band, Black and Red, Green, Blue and Green, White, Yellow and Gray, Blue and Gray, Red and Yellow, Black and Purple, Red and Gray and Green and Red. Consists of the following resistors: 1-1/2 watt; 1-1 watt; 1-2 watt and 2-3 watt. Shipping weight 3 lbs. **E4441**—Strip of Resistors. Your Cost..... **\$1.95**

### Free

We furnish Free with each purchase of three or more Trutest Resistors a serviceable Pocket Size Chart for instantly determining the resistance value of any R. M. A. Coded Resistor regardless of make.



# Trutest



## Handy Resistance Strips With R.M.A. Color Coded Resistors

These strips are just the thing for shop or tool kit. They consist of a selection of TRUATEST R. M. A. Color Coded Resistors, neatly mounted on a durable strip, with hole at one end for hanging on a nail or hook. Value in ohms printed on strip under each resistor. By replacing them from our regular Trutest stock as they are used, you are equipped with a complete range of resistances at all times. R. M. A. COLOR CODE CHART SENT WITH EACH STRIP.

### 1/2-Watt

#### Two Strips [20 Resistors]

One each of the following resistances (20 in all) 200, 400, 500, 600, 700, 800, 1250, 1500, 2000, 2500, 3000, 3500, 4000, 5000, 6000, 7500, 8000, 10000, 12500 and 15000 ohms.

**E4435—Your Cost \$1.50**

One each of the following resistances (20 in all) 17500, 20000, 25000, 30000, 40000, 50000, 60000, 70000, 75000, 100000, 125000, 150000, 200000, 250000, 300000, 500000, 1 Meg. 1 1/2 Meg. 2 Meg. 2 1/2 Meg.

**E4436—Your Cost \$1.50**

### 1-Watt

#### Two Strips [20 Resistors]

One each of the following resistances (20 in all) 200, 400, 500, 600, 800, 1000, 1500, 2000, 2500, 3000, 4000, 5000, 6000, 8000, 10000, 12500, 15000, 17500, 20000, 25000 ohms.

**E4430—Your Cost Each \$1.50**

One each of the following resistances (20 in all) 30000, 40000, 50000, 60000, 75000, 100000, 125000, 250000, 500000, 750000 ohms; 1, 1.5, 2, 3, 4, 5, 6, 7, 8 and 10 Meg.

**E4431—Your Cost Each \$1.50**

### 2-Watt

#### Two Strips [12 Resistors]

One each of the following resistances (12 in all) 200, 500, 1000, 1500, 2000, 2500, 3000, 4000, 5000, 6000, 8000, 10000 ohms.

**E4443—Your Cost \$1.95**

One each of the following resistances (12 in all) 15000, 20000, 25000, 30000, 40000, 50000, 60000, 75000, 100000, 125000, 250000, 500000 ohms.

**C4444—Your Cost \$1.95**



## Precision Resistors Guaranteed Accuracy 1%

### TYPE "D" 1/2-Watt

Maximum length 3/4". Maximum diameter 3/8". Length of leads, 3".

Leads No. 18 tinned copper wire.

### TYPE "F" 1 WATT

Maximum length 3/4". Maximum diameter 3/8". Furnished with No. 18 tinned copper leads, 3" long.

The most NOISELESS, ACCURATE and DEPENDABLE unit on the market for the price. Especially recommended for Television Amplifiers, Voltmeters, Multipliers, Meter Shunts, Photo Cell Circuits, Sound Head Amplifiers, Taper "T" and "H" Pads, Attenuators, Decade Boxes and Bridge Assembly. GUARANTEED ACCURACY, 1%. Have hole to clear 6/32 screw.

### TYPE "D"—1/2-Watt

Res. Ohms	Stock No.	Your Cost
50	E4566	\$0.41
100	E4567	.41
200	E4568	.41
300	E4569	.41
400	E4570	.41
500	E4571	.41
600	E4572	.41
700	E4573	.41
800	E4574	.41
900	E4575	.41
1000	E4576	.41
2000	E4577	.47
3000	E4578	.47
4000	E4579	.47
5000	E4580	.49
8000	E4581	.53
10000	E4582	.53
20000	E4583	.57
30000	E4584	.57
40000	E4585	.57
50000	E4586	.63
60000	E4587	.63
70000	E4588	.63
80000	E4589	.70
90000	E4590	.70
100000	E4591	.70
150000	E4592	.83
250000	E4593	.94
500000	E4594	1.02

### TYPE "F"—1-Watt

Res. Ohms	Stock No.	Your Cost
50	E4601	\$0.60
100	E4602	.45
200	E4603	.45
300	E4604	.45
400	E4605	.45
500	E4606	.45
600	E4607	.45
700	E4608	.45
800	E4609	.45
900	E4610	.45
1000	E4611	.45
2000	E4612	.52
3000	E4613	.52
4000	E4614	.52
5000	E4615	.50
8000	E4616	.60
10000	E4617	.68
20000	E4618	.68
30000	E4619	.68
40000	E4620	.79
50000	E4621	.79
60000	E4622	.79
70000	E4623	.79
80000	E4624	1.02
90000	E4625	1.02
100000	E4626	1.02
150000	E4627	1.02
250000	E4628	1.17
500000	E4629	1.35

# Precision Guaranteed Resistors

## Guaranteed Accuracy 1% Rating One Watt

We offer here a line of Precision Type Resistors made by Precision Resistor Co., and which we recommend unconditionally to our customers. They are wound with the very best grade of alloy wire, every spool of which is thoroughly checked for insulation breakdown, diameter and temperature coefficient before entering production. To our knowledge they are the ONLY RESISTORS MADE IN WHICH DOUBLE INSULATED WIRE IS USED.



Type "A"

Tolerance 1%. Maximum length 2 1/4", maximum diameter 3/8". Fitted with Standard Universal Cap which permits use either for fuse clip or grid leak mounting. The screw ends can be used for temporary circuits.

Stock No.	Res. Ohms	Milli-amps	Stock No.	Res. Ohms	Milli-amps
E4500	1	1000	E4507	8	353
E4501	2	707	E4508	9	333
E4502	3	577	E4509	10	316
E4503	4	500	E4510	15	290
E4504	5	488	E4511	20	236
E4505	6	407	E4512	25	200
E4506	7	377			

Each	50	145	E4519	500	45
E4514	100	100	E4520	750	39
E4515	150	81	E4521	1000	72
E4516	200	72	E4522	2000	23
E4517	300	58	E4523	2500	20
E4518	400	50	E4524	3000	18

Each	4000	16	E4529	10000	10
E4525	5000	14	E4530	12500	9
E4527	6000	13	E4531	15000	7
E4528	8000	11	E4532	20000	

Each	25000	6.3	E4536	40000	5
E4533	30000	5.8	E4537	45000	4.5
E4535	35000	5.3	E4538	50000	

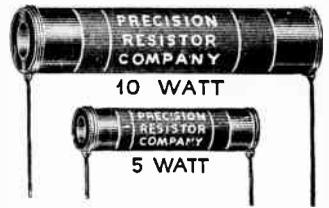
Each	75000	3.6	E4544	100000	3.15
E4539	80000	3.5	E4545	125000	2.8
E4543	90000	3.2	E4546	150000	2.58

Each	175000	2.46	E4549	225000	2.11
E4547	200000	2.23	E4550	250000	2

Each	300000	1.83	E4553	600000	1.45
E4551	400000	1.58			

Each	750000	1.28			
E4554					

Each	1 Meg.	1.0			
E4555					



## Guaranteed Accuracy 2%

Here is a line of resistors designed to meet the demand for a reasonably priced and compact high resistance unit recommended for use in MIDGET, AEROPLANE, AUTOMOBILE and other receivers where space and price plus quality are important. Terminals are of No. 18 tinned copper wire securely embedded in 3 coat Baked Insulating Enamel. We believe that these high grade resistors with their very narrow tolerance represents one of the most amazing values ever offered the Radio Man. Maximum dimensions: 5 watt 3/8" dia., 1 1/2" long; 10 watt 1/2" dia., 2" long. Specify size when ordering.

Resistance Ohms	5-Watt Stock No.	10-Watt Stock No.
25	E4650	E4725
50	E4651	E4728
75	E4652	E4727
100	E4653	E4728
150	E4654	E4729
200	E4655	E4730
250	E4656	E4731
300	E4657	E4732
350	E4658	E4733
400	E4659	E4734
500	E4660	E4735
650	E4661	E4736
700	E4662	E4737
750	E4663	E4738
800	E4664	E4739
1000	E4665	E4740
1100	E4666	E4741
1200	E4667	E4742
1250	E4668	E4743
1500	E4669	E4744
1750	E4670	E4745
1850	E4671	E4746
2000	E4672	E4747
2250	E4673	E4748
2400	E4674	E4749
2500	E4675	E4750
2750	E4676	E4751
3000	E4677	E4752
3250	E4678	E4753
3500	E4679	E4754
3750	E4680	E4755
4000	E4681	E4756

Resistance Ohms	5-Watt Stock No.	10-Watt Stock No.
4250	E4682	E4757
4500	E4683	E4758
4750	E4684	E4759
5000	E4685	E4760
5500	E4686	E4761
6000	E4687	E4762
6500	E4688	E4763
7000	E4689	E4764
7500	E4690	E4765
8000	E4691	E4766
9000	E4692	E4767
10000	E4693	E4768
12500	E4694	E4769
15000	E4695	E4770
17500	E4696	E4771
18500	E4697	E4772
20000	E4698	E4773

Your Cost Each	23c	30c
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Your Cost Each	27c	34c
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Resistance Ohms	5-Watt Stock No.	10-Watt Stock No.
35000	E4699	E4774
40000	E4700	E4775
45000	E4701	E4776
50000	E4702	E4777

Your Cost Each	30c	37c
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Resistance Ohms	5-Watt Stock No.	10-Watt Stock No.
75000	.....	E4778
100000	.....	E4779

# Quality Counts in Little Things Too!

## BE SAFE BUY I R C Metallized RESISTORS

### Precision Wire Wound Resistors

I. R. C. Precision Wire Wound Resistors have been developed to meet the most exacting demands of accuracy. Especially adapted for use as meter multipliers and shunts to increase the range of single range voltmeters and milliammeters and for other equipment such as faders, gang controls, pads, etc.

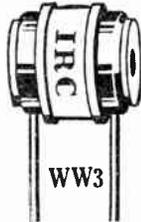
The winding form of these units as illustrated with WW3 resistor is made of non-hygroscopic (non-moisture absorbing) ceramic having high

insulation qualities, high mechanical strength and low coefficient of expansion.

Because of the special sectional construction which permits the winding of adjacent sections in opposite directions a non-inductive winding of low distributed capacity, is made possible. The impedance characteristics of these units are practically uniform and independent of frequency up to 50,000 cycles.



WW1



WW3



Spool Construction

Precision wire wound type. Guaranteed accuracy 1%. Length 2 1/4 inches. Stock

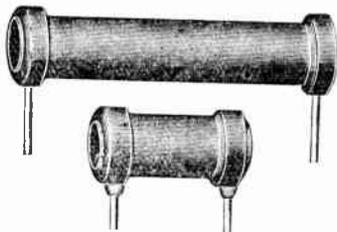
#### WW1

No.	Ohms	M. A.	List	Cost
E5150	1	1000	\$1.50	} \$1.03
E5151	2	707	1.50	
E5152	3	577	1.50	
E5153	4	500	1.50	
E5154	5	448	1.50	
E5155	6	407	1.50	
E5156	7	377	1.50	
E5157	8	353	1.50	
E5158	9	333	1.50	
E5159	10	316	1.25	} .85
E5160	25	200	1.25	
E5161	50	141	1.25	
E5162	100	100	1.25	
E5163	150	81	1.25	
E5164	200	71	1.25	
E5165	500	44.6	1.25	
E5166	1000	31.6	1.25	
E5167	2500	20.0	1.25	
E5168	5000	14.1	1.25	
E5169	10000	10.0	1.50	} 1.03
E5170	12500	8.7	1.50	
E5171	20000	7.05	1.50	
E5172	25000	6.32	1.50	
E5173	30000	5.75	1.50	
E5174	35000	5.35	1.50	
E5175	40000	5.00	1.50	
E5176	50000	4.47	1.50	
E5177	60000	4.08	1.50	
E5178	75000	3.64	1.50	
E5179	100000	3.16	2.00	} 1.37
E5180	125000	2.82	2.00	
E5181	150000	2.58	2.25	
E5182	175000	2.46	2.25	} 1.54
E5183	200000	2.23	2.50	
E5184	225000	2.11	2.75	
E5185	250000	2.00	2.75	} 2.06
E5186	300000	1.83	3.00	
E5187	400000	1.58	3.50	
E5188	500000	1.41	4.00	} 2.40
E5189				
E5190				

#### WW3

Stock No.	Resistance Ohms	List Price	Your Cost
E5125	200	\$0.75	} \$0.50
E5126	500	.75	
E5127	1,000	.80	
E5128	2,500	.80	
E5129	5,000	1.00	} .68
E5130	7,500	1.00	
E5131	10,000	1.00	
E5132	12,500	1.00	
E5133	15,000	1.00	} .78
E5134	20,000	1.15	
E5135	25,000	1.25	
E5136	30,000	1.25	
E5137	35,000	1.25	} .85
E5138	40,000	1.25	
E5139	50,000	1.50	
E5140	60,000	1.50	} 1.03
E5141	75,000	1.50	
E5142	100,000	2.00	

### Power Wire Wound Resistors



These new Power Wire Wound Resistors are rugged, permanent, accurate and possess an added advantage of Positive Contact. This is due to a ring wound around the ceramic material through which the nichrome wire passes, embedding itself into the metal. Select the value wanted from the following list, sizes and prices of various types given in column to right.

Ohms	Ohms	Ohms	Ohms
1	200	3000	20000
5	300	5000	25000
10	500	7500	30000
25	1000	10000	40000
50	2000	12500	50000
100	2500	15000	

#### Type "PA"

3 Watt Power Wire Wound (Max.) 3/4" long by 3/16" diameter. Tolerance 5%. Range up to 5000 ohms (see list). List 50c. E5196—**Your Cost 29c**

#### Type "PB"

5 Watt Power Wire Wound (Max.) 1 3/4" long by 3/16" diameter. Tolerance 5%. Range up to 15000 ohms (see list). List 50c. E5197—**Your Cost 29c**

#### Type "PC"

10 Watt Power Wire Wound (Max.) 2" long by 3/16" diameter. Tolerance 5%. Range up to 30000 ohms (see list). List 65c. E5198—**Your Cost 38c**

#### Type "PD"

15 Watt Power Wire Wound (Max.) 3" long by 3/16" diameter. Tolerance 5%. Range up to 50000 ohms (see list). List 70c. E5199—**Your Cost 41c**

### Metallized Replacement Resistors



1/2 Watt  
1 Watt  
2 Watt

We stock I. R. C. metallized type F-1/2 (1/2 Watt), Type F-1 (1 Watt) and Type F-2 (2 Watt) in the following ohmages. Only the 1-watt resistors, however, are available in ohmages above 5 megohms. Select resistors wanted from this list, specify resistance value and quote stock number shown opposite each type below.

Ohms	Ohms	Ohms	Megohms
100	6000	50000	2
250	7000	75000	2 1/2
500	8000	100000	3
1000	9000	150000	3 1/2
1500	10000	200000	4
2000	12500	250000	5
2250	15000	300000	*6
2500	17500	400000	*7
3000	20000	Megohms	*8
3500	25000	1/2	*9
4000	30000	1	*10
5000	40000	1 1/2	

\* Available in 1-watt type only.  
E5250—Type MF-1/2 (1/2 Watt). Length 1". Pigtail Type. List 30c **18c**  
**Your Cost**  
E5251—Type F-1 (1 Watt). Length 2". Pigtail type. List 30c **18c**  
**Your Cost Each**  
E5252—Type F-2 (2 Watt). Length 2". Pigtail type. List 40c **24c**  
**Your Cost Each**

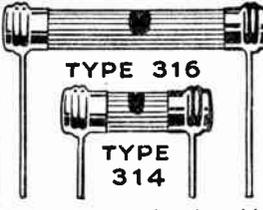
With I. R. C. Metallized Resistors you obtain a guarantee of quality, a guarantee of uniformity possible only from makers of standard merchandise.

**Free**

Resistor Replacement Guide  
I. R. C. Metallized Resistors

I. R. C. Resistor Replacement Guide sent FREE with an order for 10 or more I. R. C. Metallized Resistors. R. M. A. Color Code Chart FREE with each order for three or more I. R. C. Metallized Resistors.

# Centlab Resistors



Centlab Resistors cannot fail under any load that does not melt the Wire Leads from the Ends! They are much more durable than any ordinary resistor of similar size. They look like stone, and are permanent. No other resistor is made like them. Carefully calibrated resistance material is forced under tons of pressure through double dies in conjunction with a paste-like ceramic. This is baked for hours, and then fired at over 2,500° F. After such a baptism of fire, no ordinary service or overload temperatures can damage the resistor. No moisture can possibly penetrate, so age can not change the resistance value. Due to their particular method of construction they are guaranteed the **most noiseless Resistor made!** R.M.A. Color Coded. Wire leads 1 1/4" long.

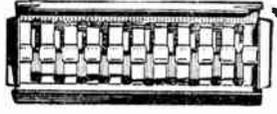
Free R.M.A. Standard Resistor Color Code with every 10 resistors We Stock Centralab Resistors in the following Ohmage

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
200	2500	8000	20000	100000	500000
300	3000	9000	25000	150000	
500	3500	10000	30000	200000	
1000	4000	12000	40000	250000	
1500	5000	15000	50000	300000	
2000	6000	17000	75000	400000	

Type 316. Size 1/4 x 1 1/4" Any resistance listed. **1 1/2 WATT**  
E5276—List 30c  
Your Cost Each **15c**

Type 314. Size 1/4 x 1" Any resistance listed. **1 WATT**  
E5276—List 30c. Your Cost **15c**  
In Lots of 10 **\$1.25**

When ordering specify Stock No. and Resistance



## Centralab Resistor Service Kits

A convenient package of ten Type 316 (1 1/2 watt) resistors. Many additional values can be obtained by connecting two of these in series or parallel. **Quick Reference Wall Chart Free with Each Assortment.** The following is a list of values contained in each kit:

Stock No.	Shipping Weight	List Price					
E5285	E5286	E5287	E5288	E5289	E5290	1 Lb.	\$2.50
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms		Your Cost
200	500	3000	500	20000	25000		<b>\$1.25</b>
500	1000	10000	1000	30000	50000		Each Kit
1000	2000	15000	2000	40000	100000		
1500	5000	30000	5000	50000	200000		
2000	10000	40000	10000	100000	300000		
2500	20000	60000	25000	200000	400000		
3000	25000	70000	50000	3 Meg.	500000		
3500	30000	80000	100000	3 Meg.	1 Meg.		
5000	50000	100000	200000	4 Meg.	1 1/2 Meg.		
10000	75000	500000	500000	5 Meg.	2 Meg.		



## IRC Metallized Resistor Kits

These Kits contain assortments of Resistors that will permit you to meet practically every service requirement. Various resistance values, in addition to those represented by the resistors, can be obtained by connecting two or more of them in series or parallel.

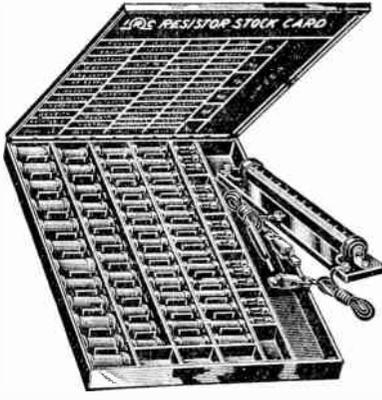
**Certified Kit No. 1**  
The original I.R.C. Kit that proved so popular with Service Men. Contains twenty 1 watt Metallized Units ranging from 500 ohms to 3 megohms. The certified seal insures factory guarantee and factory-tested units. Shipping weight 2 lbs.  
E5272—List \$6.00  
Your Cost **\$3.50**

**Certified Kit No. 2**  
Contains an assortment of twenty type F-2 Two Watt Resistors. Made for Service Men requiring units of higher wattage. Values range from 500 ohms to 1/2 megohm. Factory sealed, factory tested and factory guaranteed. Shipping weight 3 lbs.  
E5273—List \$8.00  
Your Cost **\$4.65**

**Certified Kit No. 4**  
Kit consists of 12 Five Watt Power Wire Wound Resistors. Gives excellent results in all types of amplifiers. Values range from 50 to 15000 ohms. Shipping weight 2 lbs.  
E5269—List \$6.00  
Your Cost **\$3.50**

**Certified Kit No. 5**  
A Kit consisting of 12 higher Wattage Power Wire Wound Resistors for general requirements. Resistors are rugged and unbreakable, wire protected by two cement coatings, moisture proof and have 5% accuracy. Values range from 100 ohms to 30000 ohms. Shipping weight 3 lbs.  
E5270—List \$7.80  
Your Cost **\$4.50**

## The New IRC Combination Kit No. 6



This Kit consists of a set of 69 Resistors selected to fit the needs of any emergency. There are 1/2 watt resistors used in Midget Receivers on account of their size, and are those most needed for replacements. 1 watt resistors with formulas showing how thousands of values can be quickly made up. 2 watt resistors for higher wattage replacements. 5 watt resistors, are the sizes that take the greatest load, and that burn out most frequently. These are the quietest type of resistor, that gives excellent results in amplifiers of all types, and lastly the 10 watt resistors needed for general work, such as for replacing burned out sections of voltage dividers, and for biasing resistors for power tubes. The 5 and 10 watt power wire wound resistors are rugged and unbreakable, with wire protected by two cement coatings, are moisture proof and have 5% accuracy. The following is a list of the resistors contained in the Kit. Shipping weight 14 lbs.

Value of Resistors in Kit... **\$17.40**  
IRC Resistor Indicator... **2.35**  
Steel Cabinet... **2.50**  
Resistor Guide Book... **1.00**  
Color Code Chart... **.25**

Total Value... **\$23.50**  
You Save... **\$7.00**

Special Kit Complete  
Your Cost... **\$16.50**

1/2-Watt	1-Watt	2-Watt	5-Watt	10-Watt
1 Each	1 Each	1 Each	1 Each	1 Each
50 ohms	500 ohms	100 ohms	50 ohms	100 ohms
100 "	750 "	500 "	100 "	500 "
250 "	1000 "	1000 "	200 "	1000 "
500 "	2500 "	1500 "	500 "	2000 "
1000 "	5000 "	2000 "	1000 "	3000 "
2000 "	7500 "	3000 "	1500 "	5000 "
5000 "	10000 "	5000 "	2000 "	7500 "
10000 "	15000 "	10000 "	3000 "	10000 "
20000 "	25000 "	15000 "	5000 "	15000 "
30000 "	30000 "	20000 "	10000 "	20000 "
50000 "	50000 "	25000 "	12500 "	25000 "
100000 "	100000 "	40000 "	15000 "	30000 "
1/2 meg.	1/2 meg.	50000 "		
1 "	1 "	100000 "		
		1/2 meg.		

E5271—Complete Kit  
Your Special Price... **\$16.50**

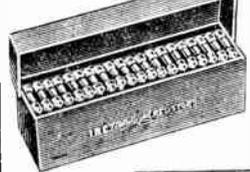
## The New I. R. C. Resistor Indicator



This Indicator is an instrument that has been designed and prepared for the service man, to enable him to determine the exact resistance value of a defective resistor in radio sets without the use of meters. The Indicator is a calibrated wire wound resistor covering a range of 0 to 100000 ohms. It is mounted on a bakelite panel, equipped with clips for connecting the unit into any Radio Receiver, and a test prong to regulate the resistance. The Unit is used to determine the actual resistance value giving best operating results in any receiver. Regardless of whether the service man has a circuit diagram or not, this Indicator gives a quick definite reading for the necessary resistance values without the use of an Ohmmeter. Here is a new service help that will save you many a bad half hour. Shipping weight 2 lbs.

E5299—List Price \$4.00  
Your Cost **2.35**

## Certified Kit No. 3



Midget receivers have brought into existence midget resistors. These resistors in this kit are needed for replacements. Kit consists of the most popular values used by radio set manufacturers. Kit contains 20 resistors from 50 ohms to 3 megohms. Shipping weight 3 lbs.  
E5268—List \$6.00  
Your Cost **\$3.50**

## New Handy Grid-Bias Kit

Contains 10 assorted Resistors of F-1 and F-2 and Power Wire Wound (5-Watt) types required to bias the following tubes: '24, '26, '27, '71A, '10, '45, '50, '47. The kit also contains resistance values that can be used as grid suppressors. Complete information on the proper biasing of radio tubes, together with wiring diagrams, given with each kit. Shipping weight 2 lbs.  
E5274—List \$3.70  
Your Cost **\$2.15**



**We Will Not Knowingly Be Undersold**



# NATIONAL MIDGET CONDENSERS



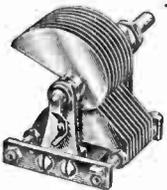
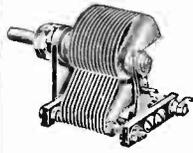
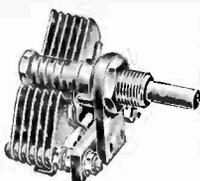
**No Shorted Turns.** A basic feature of all two-bearing National Midget Condensers is the insulated front bearings, resulting in no shorted turns.

**Exclusive Constant-Impedance Pig-tail,** a patented National feature. One of the many advantages that make National Midgets such consistent and invariable performers. This electrically perfect connection to the rotor eliminates the noise crackle and varying impedance (A. C. inductance) of the brush type of contact.

**Isolantite,** acknowledged high efficiency dielectric, is used for insulating National Midgets—reducing dielectric losses to a minimum.

**Aluminum plates;** thick, polished all over, with wide polished rounded edges, are used in the National SEU Ultra-High-Frequency Midgets. Non-resonant characteristics of aluminum plates prevent microphonic feed-back from plate vibration.

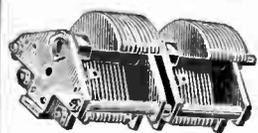
**National Condenser Designations**  
SE—270 degree rotation, S.F.L. ST—180 degree rotation, SLW. SS—180 degree rotation, S.L.C. H—High capacity—close spacing. U—Ultra short wave—extra wide spacing. HS—High capacity, single bearing. D—Dual type. N—Neutralizing Condenser.



Stock No.	National Type No.	Capacity in Mmf.	Air Gap	No. of Bearings	Plate Shape	Rotor Plates	Stator Plates	Depth behind Panel	Your Cost
N14280	SE- 50	50	.026	2	270°	6	5	2 1/4"	\$1.78
N14281	75	75	.026	2	S.F.L.	8	7	2 1/4"	1.90
N14282	100	100	.026	2		10	10	2 1/4"	2.05
N14283	150	150	.026	2		15	14	2 1/4"	2.20
N14284	SEH-200	200	.0175	2		14	13	2 1/4"	2.20
N14285	250	250	.0175	2		16	16	2 1/4"	2.35
N14286	300	300	.0175	2		20	19	2 1/4"	2.35
N14287	335	335	.0175	2		22	21	2 1/4"	2.50
N14288	SEU- 15	15	.055	2		3	3	2 1/4"	1.47
N14289	20	20	.055	2		4	4	2 1/4"	1.62
N14290	25	25	.055	2		5	4	2 1/4"	1.62
N14291	ST- 50	50	.026	2	180°	6	5	2 1/4"	1.05
N14292	75	75	.026	2	S.L.W.	8	7	2 1/4"	1.18
N14293	100	100	.026	2		10	10	2 1/4"	1.33
N14294	150	150	.026	2		15	14	2 1/4"	1.47
N14295	STH-200	200	.0175	2		14	13	2 1/4"	1.62
N14296	250	250	.0175	2		16	16	2 1/4"	1.77
N14297	300	300	.0175	2		20	19	2 1/4"	1.90
N14298	335	335	.0175	2		22	21	2 1/4"	2.05
N14299	STN- 18	18-3000v.	.065	1		4	3	1 1/8"	1.18
N14300	STHS- 15	15	.0175	1		2	1	1 1/8"	.82
N14301	25	25	.0175	1		2	2	1 1/8"	.88
N14302	50	50	.0175	1		4	3	1 1/8"	.94
N14303	STD- 50	50 per sec.	.026	2	180°	6 per sec.	5 per sec.	2 3/4"	2.05
N14304	STHD-100	100 per sec.	.0175	2	180°	7 per sec.	7 per sec.	2 3/4"	2.65
N14305	SS- 50	50	.026	2	180°	5	4	2 1/4"	1.05
N14306	75	75	.026	2	S.L.C.	7	6	2 1/4"	1.18
N14307	100	100	.026	2		9	8	2 1/4"	1.33
N14308	150	150	.026	2		12	12	2 1/4"	1.47
N14309	SSH-200	200	.0175	2		11	10	2 1/4"	1.62
N14310	250	250	.0175	2		13	13	2 1/4"	1.75
N14311	300	300	.0175	2		16	15	2 1/4"	1.90
N14312	350	350	.0175	2		18	18	2 1/4"	2.05
N14313	SSN- 18	18-3000v.	.065	1		3	3	1 1/8"	1.18
N14314	SSS- 20	20	.0175	1		1	2	1 1/8"	.82
N14315	30	30	.0175	1		2	2	1 1/8"	.88
N14316	50	50	.0175	1		3	3	1 1/8"	.94
N14317	SSD- 50	50 per sec.	.026	2	180°	5 per sec.	4 per sec.	2 3/4"	2.05
N14318	SSHD-100	100 per sec.	.0175	2	180°	5 per sec.	5 per sec.	2 3/4"	2.65
N14319	150	150 per sec.	.0175	2	S.L.C.	8 per sec.	8 per sec.	2 3/4"	2.94

Shafts 1/8" dia. Standard rotation clockwise, counter-clockwise on special order. Special order above with shaft extending through rear bearing for ganging.

## S-E Two Gang Receiving Condenser



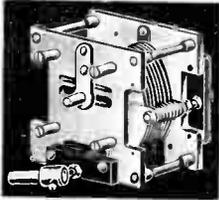
A two-gang condenser built especially for short wave T. R. F. and superheterodyne receivers. An improved short wave receiving condenser in which both rotors are fully insulated from each other and from the frame. Complete isolation of all circuits is thus made possible. Tuned impedance coupled amplification possible without necessity of using shunt feed with RF blocking condenser in tuned circuit. B plus connects direct to rotor.

Size. 2 1/2 x 2 1/2 x 5". Shipping weight 3 lbs.  
List \$5.50. Your Cost.....  
List \$6.50. Your Cost.....

\$3.23  
\$3.82

## Equimeter Condensers

A very superior line of single section Variable Condensers of from 50 to 1000 mmf. capacity. Heavy aluminum construction throughout with isolantite insulation. An extension collar with 1/4" shaft also furnished. Shipping weight 3 lbs.



(STRAIGHT WAVE LINE TYPE)

Stock No.	Capacity Mmf.	List	Your Cost
N14325	50	\$2.50	\$1.47
N14326	100	2.50	1.47
N14327	150	3.00	1.77
N14328	200	3.50	2.06
N14329	250	3.50	2.06
N14330	350	3.75	2.21
N14331	500	4.00	2.35
N14332	1000	5.50	3.23

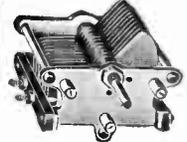
## Well Condensers

Well Dual Featherweight  
Con-350 each de-light om-Parables, and is used in Aircrafts, Portable Midgets, etc. Shipping weight 2 lbs.  
H8581—List \$5.50  
Your Cost.....



\$3.24

## Midway Featherweight



The Midway is a small, compact and extremely light-weight variable condenser, especially suited for air-craft equipment, portable sets, etc. Desirable in receivers, transmitters and oscillator-amplifiers where weight and space are a factor. Very finely constructed—no swagged rivets or eyelet heads to become slack. Aluminum is used throughout with the exception of bearings. A Real Condenser—not a midget. Shipping weight 2 lbs.

## Receiving Type

Have .031 air gap and are also suitable for low power transmitting sets using 210 tubes.

Stock No.	Your Cost	Type	Plates	Cap. Mmf.	Split Stator	Your Cost
H8563	\$1.24	401-B	3	26	H8545	\$1.94
H8564	1.30	402-B	5	50	H8546	2.23
H8565	1.35	403-B	7	70	H8547	2.35
H8566	1.41	404-B	11	105	H8548	2.47
H8567	1.47	405-B	15	150	H8549	2.47
H8568	1.62	406-B	25	260		
H8569	1.77	407-B	35	365		

## Transmitting Type

Have .07 air gap suitable for transmitters using up to 75 watt tubes. Rotor and Stator plates have edges well rounded and are highly polished.

Stock No.	Type	Plates	Max. Cap. Mmf.	Your Cost
H8550	408-B	5	22	\$1.80
H8551	409-B	7	35	1.92
H8552	410-B	11	50	2.20
H8553	411-B	15	70	2.50
H8554	412-B	21	100	2.92
H8555	413-B	31	150	3.77

## Taper Plate Condensers

This type condenser was the first designed to meet the demand for ample separation on all wave-lengths. In this condenser a straight frequency tuning curve is secured by a regular variation of the thickness of the air dielectric with a pronounced gain in efficiency, compactness and mechanical strength. Shipping weight 4 lbs.

Stock No.	Plates	Max. Mmfds.	List	Your Cost
H8573	3	75	\$4.00	\$2.35
H8574	5	150	4.00	2.35
H8575	7	220	4.25	2.50
H8576	11	350	4.75	2.79
H8577	15	500	5.00	2.94

## Short Wave Condensers

Especially recommended for short wave receivers; The 201-E has two plates which may be variable spaced, affording a low capacity. Is unequalled for short wave work. Stator plate adjustable to afford maximum capacities from 50 to 10 mmfds. Constant minimum 7 mmfds. Shipping weight 2 lbs.

H8582—List \$4.00  
Your Cost.....

\$2.35

### Hammarlund Intermediate Tuning Condensers

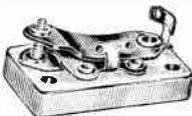


Hammarlund intermediate tuning condensers of the dual style and known as the "MIDC" type. Bases are of Isolantite, conditioned to resist moisture and to maintain constant volume and surface resistance. Intermediate stages should be tuned to the same frequency, so that maximum signal response and sensitivity will be had. Size 1 1/4" for a shield 2" in diameter. Best quality mica used.

Stock No.	Type	Range	List	Your Cost
H8531	MICD-220	140-220	\$1.00	\$0.58
H8532	MICD-140	70-140	.90	.53
H8533	MICD-70	10-70	.80	.47

### Hammarlund Adjustable Padding Condensers

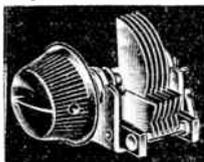
This single type is used for trimming, aligning, compensating and padding purposes or wherever a quality compact, adjustable condenser is required.



Stock No.	Type	Range	List	Your Cost
H8534	MICS-220	140-220	\$0.70	\$0.40
H8535	MICS-140	70-140	.60	.35
H8536	MICS-70	10-70	.50	.29

## For Better Radio Hammarlund PRECISION PRODUCTS Midget Condensers

Soldered non-corrosive plates, sturdy frame, fitted bearings. Positive and permanent capacities at all settings. New Parmica insulation. Four point bronze wiping contacts, eliminates pigtails. Vibration-proof construction. Bushing lock for fixed frequency work. Panel and base mounting; especially suited for aircraft, marine, police-car and short-wave work. Individually tested on 500 volts A. C.

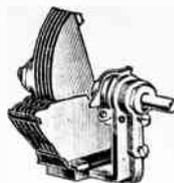


Stock No.	Plates	Min. MMF.	Max. MMF.	List	Net
H8503*	3	3	20	\$1.50	\$0.88
H8504*	5	4	35	1.50	.88
H8505*	7	5	50	1.80	1.06
H8506*	11	6	80	2.00	1.18
H8507	11	6	80	2.00	1.18
H8508*	14	6	100	2.30	1.35
H8509	14	6	100	2.30	1.35
H8510	19	7	140	2.50	1.47
H8511	27	10	200	2.80	1.64
H8512	34	10	260	3.00	1.77
H8513	43	12	320	3.50	2.06

\* Semi Circular Plates; others Midline Plates.

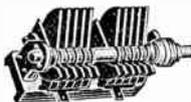
### "Midline" Condensers

The improved "Midline" condenser utilizes the newly perfected "Parmica" low loss insulation. Special shaped brass plates, full floating rotor, removable shaft, ball and cone bearing, bronze pigtail, rib-reinforced aluminum alloy frame. Tested to 1000 volts A. C. Shaft, 1/4". Two mounting holes in bottom. Shipping weight 1 lb.



Stock No.	Capacity	Code	List	Your Cost
H8500	.00025	ML-11	\$4.00	\$2.35
H8501	.00035	ML-17	4.25	2.50
H8502	.0005	ML-23	4.50	2.64

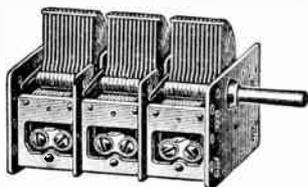
### Dual Midget Condenser



Entire condenser built on strong Isolantite base, including shield plate between the stators. Made for single hole panel mounting. Length 3 1/4" behind panel. Their rigidity, low losses and careful construction provide for greatest electrical and mechanical efficiency in all types of short wave receivers. Made in two capacities. Shipping weight 3 lbs.

H8519	—140 mmf. per section.	\$2.82
List	\$4.80—Your Cost	
H8520	—100 mmf. per section.	\$2.59
List	\$4.40—Your Cost	

### Trutest Variable Compact Short Wave and Broadcast Condensers



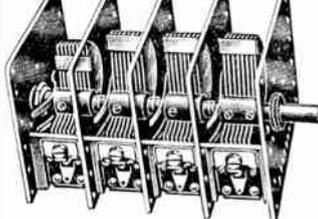
These Trutest Tuning Condensers are of the very latest design. Greater variety of capacities, and smaller physical sizes. Fully shielded between sections. Rigid construction. Positive electrical contacts. Trimmers are rigid and retain their settings after adjustments. Ball bearings, self-aligning and smooth in action. Heavy aluminum plates. Shaft and frame of steel, cadmium plated. All single section 1/4"; all multiple 3/8" dia. shafts. Bakelite insulation. Mounting holes, spaced 1 1/16".

Stock No.	Cap.	Gangs.	Size, Inches	Shipping Weight	Your Cost
H9715	.0001	1	1 1/2 x 3 1/2 x 1 3/8"	1 lb.	\$0.75
H9716	.00015	1	1 1/2 x 3 1/2 x 1 3/8"	1 lb.	.79
H9717	.00025	1	1 1/2 x 3 1/2 x 1 3/8"	1 lb.	.79
H9718	.0001	2	1 1/2 x 3 1/2 x 2 1/2"	2 lb.	1.25
H9719	.00015	2	1 1/2 x 3 1/2 x 2 1/2"	2 lb.	1.25

### Broadcast Compact Condensers

H9720	.000365	1	1 1/2 x 3 1/2 x 1 3/8"	1 lb.	\$0.75
H9721	.000365	2	1 1/2 x 3 1/2 x 2 1/2"	2 lb.	1.12
H9722	.000365	3	1 1/2 x 3 1/2 x 3 1/2"	2 lb.	1.70
H9723	.000365	4	1 1/2 x 3 1/2 x 4 1/2"	3 lb.	2.25
H9730	—Bushing for conversion to 3/8" shaft				.15

### "Precision" Condensers for Superhets and T. R. F.



Contribute a marked improvement to the Superheterodyne by eliminating the necessity for a so-called "padder" circuit. Units consist of one or more preselector condenser sections mounted on the same shaft with a tracking condenser for the oscillator. Heavy in construction, with ball-bearing shafts. Have mountings for trimmers on either side so that direction of rotation may be either clockwise or counter-clockwise. Aluminum plates slotted, for micrometric adjustment. Exceedingly low minimum. Manufacturers type.

Stock No.	Gangs	Cap.	Shaft	Size, Inches	Shipping Weight	List	Your Cost
H9700	2	.00036	3/8"	4 1/2 x 3 1/2 x 2 1/2"	2 1/2 lbs.	\$6.00	\$1.35
H9701	3	.00036	3/8"	4 1/2 x 3 1/2 x 4 1/2"	3 lbs.	8.25	1.95
H9702	4	.00036	3/8"	4 1/2 x 3 1/2 x 5 1/2"	5 lbs.	11.00	2.50

### Precision Condensers for T. R. F. Circuits

Same construction as above Condensers except that all sections are identical in capacity curve; the correct type for T. R. F. sets. Manufacturers type.

Stock No.	Gangs	Cap.	Shaft	Size, Inches	Shipping Weight	List	Your Cost
H9703	2	.00036	3/8"	4 1/2 x 3 1/2 x 2 1/2"	2 1/2 lbs.	\$6.00	\$1.35
H9704	3	.00036	3/8"	4 1/2 x 3 1/2 x 4 1/2"	3 lbs.	8.25	1.95
H9705	4	.00036	3/8"	4 1/2 x 3 1/2 x 5 1/2"	5 lbs.	11.00	2.50

## DRIVE CABLES, BANDS AND BELTS

### FOR STANDARD



The strongest dial cable obtainable. Braided around a tough flexible core are sixteen strands of pure phosphor bronze wire. Made for rough usage. All Cables, Bands and Belts, and, in some instances, strong Linen Cord, are made up according to the specifications of the original used in each particular receiver. For example: Two belts (L and R) are furnished for Atwater Kent, Columbia and Temple Models. Three belts are furnished for Atwater Kent Models 44, 60 and 61. No frayed ends exposed. Ends, loops and eyelets are firmly soldered.

Make of Set	Model	Stock No.	Net
Atwater Kent	30	H9820	\$0.18
Atwater Kent	55	H9821	.18
Atwater Kent	35, 37	H9822	.20
Atwater Kent	44	H9823	.37
Atwater Kent	60, 61	H9824	.37
Amrad	84	H9825	.18
Bosch	48A	H9826	.20
Bosch	58A	H9827	.20
Bosch	58, 60	H9828	.20
Bosch	28	H9829	.20
Balkait	All	H9830	.23
Bremer-Tulley	14, 21	H9831	.13
Brunswick	14, 21	H9832	.13
Colonial	31, 32	H9833	.28

Make of Set	Model	Stock No.	Net
Colonial	23, 34, 35, 37	H9834	\$0.40
Columbia	All	H9835	.40
Crosley	40s, 60s, 804	H9836	.25
Crosley	401, 622, 607	H9837	.25
Emerson	All	H9838	.35
Eveready	All	H9839	.20
1st National	All	H9840	.35
Freud-Eisemann	NR60	H9841	.25
Freshman	2	H9842	.35
Grebe	SK4	H9843	.20
Kolster*	*	H9844	.20
Kolster	43, 44	H9845	.40
Kellog	All	H9846	.40
Majestic No. 1	70, 71, 72	H9847	.14
Majestic No. 2	70, 71, 72	H9848	.23
Peerless	All	H9849	.25
Philco	All	H9850	.22
RCA	16, 17, 18	H9851	.23
RCA	46, 64, 67	H9852	.23
RCA†	16, 17, 18, 33	H9853	.13
Sparton	All	H9854	.25
Steinite	All	H9855	.25
Temple	All	H9856	.40

\* Heavy cord with beads on ends; springs.  
† Linen cord.

### Best Quality Dial Cable

#### By Foot or Spool



A superior grade of cable offered in straight lengths. Very strong yet flexible. Sixteen strands phosphor bronze wire braided around tough core. Standard size diameter. Can be used on any dial having cable drive.  
H9851—Your Cost Per Foot ..... 2c  
100 Foot Spool ..... \$1.75

### Brunswick Dial Scales

For Models 11, 11A, 12, 12A, 16, 17, 18, 24, 25 and 33



These transparent dial scales are for the above Model Brunswick receivers. All holes and slots are already punched. Graduated in kilocycles and made of the best quality celluloid. Size 7 1/2" between longest points and 2 3/4" high, including cutout.  
H9880—Your Cost Each ..... 25c  
Per Dozen ..... \$2.75

## TRUTEST DIALS

### Full Vision Dial for Long & Short Wave Work

High ratio dial for short wave receivers. 5 1/2 inches high, 3 3/4 inches wide. For 3/8 inch shaft. Knob shaft 1/4 x 1 1/2 inches. Celluloid scale 0-100 clockwise. Easy to mount. Shpg. Wt. 1 Lb.

**2H9815**—Complete with Escutcheon plate 5 3/4 x 2 3/4 inches, and pilot light socket. **85¢**

**2H9816**—As above except with normal ratio for general broadcast work. Double friction drive. **75¢**

### NEW IMPROVED DRUM DIAL



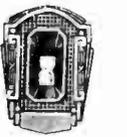
One of the best on the market. Extra heavy die cast white metal construction. Illuminated. Celluloid scale 0-100 counterclockwise rotation. Size 5 1/2 inches high, 3 3/4 inches deep, 1 1/2 inches wide. Knob shaft 1/4 x 1 1/2 inches. Escutcheon size 3 3/4 x 4 inches. Shpg. Wt. 2 Lbs.

**2H9809**—Dial only for 1/4 inch shaft. **65¢**

**2H9810**—Dial only for 3/8 inch shaft. **70¢**

**2H9811**—Escutcheon extra. **17¢**

**2H9812**—Insulated Pilot Light Socket extra. Each. **08¢**



### NEW NATIONAL NW-6 DIAL

An improved precision dial. Designed for laboratory and other apparatus where it is necessary to calibrate readings to 1/10 of a dial scale division. Solid German silver construction engraved with black figures.

5:1 ratio. For 1/4 inch shaft. Diameter 6 inches. Shpg. Wt. 1 1/2 lbs.

Stock No.	Readings	List	Net
2H14360	100 to 0, 180°	\$15.00	\$8.82
2H14361	150 to 0, 270°	15.00	8.82
2H14362	200 to 0, 360°	15.00	8.82

### NATIONAL DIALS Types G and H

Scale is projected onto a ground glass screen on the dial opening by a brilliant illuminator. Figures greatly enlarged and easy to read from any angle. Rainbow types change color as dial is rotated. Beautifully finished silver escutcheons. Shpg. Wt., 3 Lbs.

#### Type G Disc Dial

For use when tuning condenser is at right angles to the front panel. Monocolor, standard green.

**2H14353**—Counterclockwise. 0-100 **\$2.20**

**2H14354**—Clockwise. 150-0, 270° **\$2.20**

List \$3.75. Your Cost

#### Type H Drum Dial

Employs the patented Drum Dial mechanism with its powerful non-conducting drive and spring take-up. Monocolor type, Green.

**2H14355**—Monocolor. Counterclockwise. List \$5.00. Your Cost... **\$2.94**

**2H14356**—Monocolor. Clockwise 100-0. List \$5.00. Your Cost... **\$2.94**

**2H14357**—Rainbow. Counterclockwise 0-100. List \$5.50. Your Cost... **\$3.24**

**2H14358**—Rainbow. Clockwise 100-0. List \$5.50. Your Cost... **\$3.24**

**2H14359**—Monocolor 270 degree Clockwise 150-0. List \$5.00. Your Cost... **\$2.94**



## Trutest DIALS

### TRUTEST DUAL RATIO Wedge Drive Fan Dial

For Short Wave Sets or Converters, or Combination Broadcast and Short Wave Receivers.

Excellent for Super- or Heterodynes or any fine tuning. Easily mounted and attached. Very smooth and powerful. From Fast to Slow Speed at a touch of the lever. Ratio in 180 degrees movement of condenser, Fast Speed 6

to 1. Slow Speed 30 to 1. 4 1/4 inch scale angled back at 30 degrees. Escutcheon 2 3/4 inches high, 2 1/4 inches wide. Complete with pilot socket, escutcheon, reducing bushing (for either 1/4 or 3/8 inch shafts), screws, knob, etc. Shpg. Wt., 2 Lbs. **\$245**

**4H9818**—Your Cost

### SPOT LIGHT FULL-VISION MIDGET DIAL



Just the dial for that New Set. Spot Tuning, Full Vision, beautifully finished escutcheon. Angle Amber Celluloid Scale, reading 0-100. Wedge drive, no backlash or slipping. For 3/8 inch condenser shaft. Escutcheon finished in antique bronze. Size 3 3/4 inches high, 3 ins. wide. Price includes dial, escutcheon, pilot socket. (No bulb.) Shpg. Wt., 2 Lbs.

**4H9819**—Your Cost **59¢**

### TRUTEST DIRECT DRIVE FULL-VISION DIAL



Replaces that old fashioned dial on your set, also a low priced dial for new sets. Pointer attaches to condenser shaft. If panel is cut out for escutcheon, simply attach pilot socket and bulb and your set is brought up to date. Size of escutcheon, finished in bronze. Pointer and Escutcheon. (No socket or bulb supplied.) Shpg. Wt., 1/2 Lb.

**4H9878**—Your Cost **25¢**

## NATIONAL

### New National Full Vision Dial

This new Dial fills a definite need for a dial having none of the failures usually so noticeable in a unit

of this type. Scale is full 7 inches in length, insuring accuracy in reading. Pointer moves evenly across the scale and remains vertical at all positions. Smooth and positive drive. Escutcheon can be supplied either silver or antique bronze. State preference. Shpg. Wt., 3 Lbs.

Stock No.	Scale Reading
3N14377	100-0 180° Clockwise
3N14378	0-100 180° Counterclockwise
3N14379	0-100 270° Counterclockwise

List price \$1.00 **\$2.35**

### NATIONAL Precision Vernier Dial Type N

For use in amateur and other radio equipment requiring the utmost precision in logging. Reading of one-tenth of a division is possible. Dial attaches to face of panel at three points, making accurate mounting very easy. Metal Dial Shipping Weight, 3 lbs.

Stock No.	Reading	De-grees	List Each
2H14363	0-100	180	\$6.50
2H14364	100-0	180	6.50
2H14365	150-0	270	6.50
2H14366	200-0	360	6.50

**\$3.82**



### Spot Light Full Vision Dial

The latest idea in dials. Spot Light travels with pointer, making dial settings easier to read. For 3/8 inch shaft. Size 4 1/2 inches wide, 3 3/4 inches high. Amber celluloid scale, 0-100 counterclockwise. Price includes pilot light socket. Shpg. Wt., 1 Lb.

**2H9808**—Dial and Escutcheon, less bulb. Your Cost Each **62¢**



### MIDGET DIAL

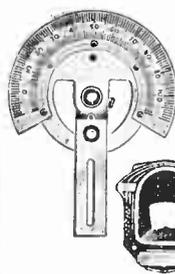
Especially suitable for very small sets. Scale is

3 inches wide; escutcheon 2 1/8 x 2 1/4 inches high. Amber celluloid scale 0-100. For 3/8 inch condenser shaft;

knob shaft 1/4 inch. Has pilot light socket but no bulb. Shpg. Wt., 1 Lb.

**2H9807**—Complete with Escutcheon. Your Cost **59¢**

### FAN TYPE DIAL



Outside diameter dial 4 inches. For 3/8-inch shaft. Knob shaft 1/4 x 3/8 inch long. Celluloid scale. 0-100 counterclockwise. Has pilot light socket. Escutcheon plate 2 3/4 inches high, 2 3/8 inches wide. Shpg. Wt., 1 1/2 Lbs.

**2H9813**—Dial only. **44¢**

**2H9814**—Escutcheon Plate Extra. Each **12¢**

### NATIONAL Type "B" & "C" 4 in. Dials

Easily and quickly attached without special tools, fitted with beautiful Bakelite cover, equipped with variable ratio of 6-1 to 20-1. Type "B" is without light and Type "C" includes illuminator and bracket.

**TYPE "B"**  
Shpg. Wt. 3 Lbs.  
**2H14367**—Clockwise (200-0) 360°. **\$1.47**  
List \$2.50. Your Cost  
**2H14368**—Dual range (0-100-0) 180°. List \$2.50. Your Cost **\$1.47**

**TYPE "C"**  
**2H14369**—Clockwise (200-0) 360°. **\$1.75**  
List \$3.00. Your Cost  
**2H14370**—Dual range (0-100-0) 180°. List \$3.00. Your Cost **\$1.75**

**TYPE BM-3 INCH DIAL**  
Similar in appearance and design to the Type B Dial except that diameter is 3 in. and it does not incorporate variable ratio feature. Not illuminated.

**2H14371**—Dual Range (0-100-0). **\$1.18**  
List \$2.00. Your Cost  
**2H14372**—Clockwise (200-0). **\$1.18**  
List \$2.00. Your Cost

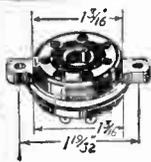
### KURTZ-KASCH Bakelite Dials

Made of molded Bakelite. Requires only one hole for condenser shaft and two small holes to secure dial to panel for mounting. Ratio 100 to 1. Allows very fine tuning. Uncelled for broadcast receivers as well as short wave work. No gears to strip and no back-lash are its distinctive features. Fits 1/2-inch shaft. Shpg. Wt. 1 Lb.

Stock No.	Range	Size	Your Cost Ea.
2H9803	200-0	4 in.	5.45
2H9804	200-0	4 in.	4.45
2H9805	100-0-100	4 1/2 in.	4.45
2H9806	0-100-0	2 3/4 in.	4.43



# Na-ald Radio Tube Sockets



This new type was designed to meet the demand for a small sized panel mounting socket. Is sturdy constructed than the "Button" type. Made

of best grade Bakelite, with two mounting ears, and with strong spring contacts. Used in radio sets, tube checkers, analyzers, etc. Panel hole  $1\frac{1}{16}$ " mounting holes  $1\frac{1}{16}$ ".

- No. 424. 4 Prong Red or Yellow. **K11624—12°**  
Your Cost Each
- No. 425. 5 Prong Green Ring. **K11625—14°**  
Your Cost Each
- No. 436. 6 Prong Blue Ring. **K11626—16°**  
Your Cost Each
- No. 437. 7 Prong Orange Ring. **K11627—20°**  
Your Cost Each



This socket was designed for Laboratory use and base mounting. Made of bakelite, with Na-ald special

connections, and is fitted with binding posts at the terminals of the socket. Adapted for testing laboratories, experimental work and panels. Makes an ideal socket in installations where appearance and quality materials are main factors.

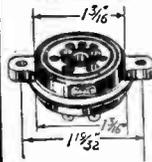
- No. 481-X. 4 Prong. Red Ring. **K11620—12°**  
Your Cost Each
- No. 481-Y. 5 Prong. Green Ring. **K11621—13°**  
Your Cost Each
- No. 486. 6 Prong. Blue Ring. **K11622—14°**  
Your Cost Each
- No. 487. 7 Prong. Orange Ring. **K11623—16°**  
Your Cost Each



This small space, or button-type socket, is only  $1\frac{1}{16}$ " in diameter, and  $\frac{3}{16}$ " high. Made of finest grade bakelite,

with heavy spring contacts, they are widely used in Midget Sets, Checkers, Analyzers, etc., and wherever the question of space is a consideration. All holes for counting can be easily drilled. One center screw or bolt attaches it to panel. Also fits tube bases, and can be used in making special adapters.

- No. 422. 4 Prong. Red or Yellow. **K11630—12°**  
Your Cost Each
- No. 423. 5 Prong. Green Ring. **K11631—12°**  
Your Cost Each
- No. 426. 6 Prong. Blue Ring. **K11632—13°**  
Your Cost Each
- No. 427. 7 Prong. Orange Ring. **K11633—18°**  
Your Cost Each



## Universal Socket

This is the latest in tube socket design; a Universal socket which fits the 4, 5 and 6 prong tubes. Its construction and design is such

that all types of tubes may be tested or used in this single socket. For replacing test sockets in old analyzers or tube checkers making possible the checking of new type tubes without adapters. While the filament prongs of all tubes are common, the Grid, Plate, Cathode and Suppressor prongs vary in the different type tubes, and the nine holes about the Blue and Red Ring of the Universal socket are so arranged that it fits all the above type tubes.

- K11619—List Price 50c 29°**  
Your Cost

## Wafer Sockets

For sub-panel mounting. Made of laminated Bakelite with one piece contact springs, cadmium plated to prevent oxidation. Soldering terminals are provided with two holes, and shaped to concentrate heat of iron, to speed up soldering and insure perfect contact.



Marked: Plain, 226, 227, 224, 235, 236, 237, 238, 245, 247, 250, 280, 281, 171-A, 82 and 83, 56, 57, 58. State marking desired.

- M13070—4 Prong. **Your Cost Ea. 5°**
- In Lots of 12 for **50c**
- For the New Tubes
- M13071—6 Prong. **Your Cost Each 5°**
- In Lots of 12 for **55c**
- M13069—7 Prong. **Your Cost Each 6°**
- In Lots of 12 for **60c**

## New Eby Socket



No. 12 Made to suit the requirements of the highest grade testing instruments, transmitting

and receiving equipment. Because of their sturdy construction, they are especially recommended where sockets are subjected to exceptionally severe service, as well as wear and tear due to continual inserting and withdrawing of tubes.

- M13072—4 prong. **14°**  
Cost Each
- M13073—5 prong. **15°**  
Cost Each
- For the New Tubes.
- M13076—6 prong. **20°**  
Cost Each
- M13077—7 prong. **23°**  
Cost Each

## Eby Sub-Panel Moulded Socket



No. 8 This type 8 socket similar in construction to the type 12, excepting

- that is has a separate laminated bakelite plate base, and is especially designed for sub-panel mounting. Has recessed ring, moulded through contact holes, to facilitate easy insertion of radio tubes.
- M13085—4 prong. **14°**  
Your Cost Each
- M13086—5 prong. **15°**  
Your Cost Each
- For the New Tubes
- M13087—6 prong. **19°**  
Your Cost Each
- M13088—7 prong. **20°**  
Your Cost Each

## Benjamin Sockets



The popular long life socket. Positive side-wiping Molded Bakelite

- connections. construction.
- M13110 4 Prong **Your Cost Each 29°**
- M13111 5 Prong **Your Cost Each 35°**

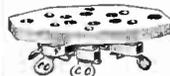
## Eby Isolantite Sockets



Isolantite is a new snow-white material of very high insulating quality. Its low loss at high frequencies makes it the best material for sockets.

- M13074—4 Prong **Your Cost Each 30°**
- M13075—5 Prong **Your Cost Each 32°**
- M13081—6 Prong **Your Cost Each 34°**
- M13082—7 Prong **Your Cost Each 35°**

## Hammerlund Isolantite Sockets



These low loss sockets have been combined with low cost making

improved broadcast and short wave reception available to everyone. Constant resistivity and perfect contact eliminate noise of isolantite for lowest losses and highest surface resistivity. Glazed top and sides, rust proof side gripping contacts. Sub-panel or base mounting. Four, five, six and seven prong types.  $2\frac{1}{4}$ " long by  $1\frac{1}{2}$ " wide. Ideal for low power transmitters.

- H8496—4 Prong **Your Cost Each 35°**
- H8497—5 Prong **Your Cost Each 35°**
- For the New Tubes
- H8498—6 Prong **Your Cost Each 35°**
- H8499—7 Prong **Your Cost Each 53°**

## Pilot Sockets



Set Builders Type Perfect insulation Positive contact. Made of composition.

- M10221—5 Prong **Your Cost Each 10°**



## Screw Type

Has screws for attaching to chassis or sub-panel.

- M10223—5 Prong **Your Cost Each 15°**

## Universal Type

Mounts either above or below sub-panel.

- M10224—4 Prong **Your Cost Each 15°**
- M10225—5 Prong **Your Cost Each 15°**



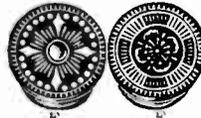
## Radio Knobs



Beautifully turned and carved walnut knobs in two sizes. Far superior in design and workmanship to any we have ever offered. Have set screws for mounting on  $\frac{1}{4}$ " shafts.

- Large:  $1\frac{1}{4}$ "
- H9860—A **Your Cost Each 10°**
- H9861—B **12 for \$1.00**
- H9862—C
- H9863—D
- Small:  $\frac{7}{8}$ "
- H9864—A **Your Cost Each 9°**
- H9865—B
- H9866—C
- H9867—D **12 for 95c**

## Extra Fine Knobs



(F) An especially beautiful design. Made of molded Bakelite with covering of statuary bronze. Large size only:  $1\frac{1}{8}$ ".

- H9868—**Your Cost Each 10°**
- 12 for \$1.00
- (E) The very latest in Radio Knobs. Nothing like it before, molded Bakelite with inlay of Jewelers' enamel in beautiful colors. One size only:  $1\frac{1}{8}$ ".
- H9869—**Your Cost Each 19°**
- 12 for \$2.00

## RCA Radiola Knobs



These Knobs are made to push on a  $\frac{1}{4}$ " shaft. There is no set screw required, but the end of the shaft must be milled. Types A and B are made of Dark Brown Bakelite; types C and D are made of a high grade polished Hard-wood. All have heavy bronze spring clips.

- H9895—Type A **Your Cost Each 5°**
- H9896—Type B **Your Cost Each 9°**
- H9897—Type C **Your Cost Each 9°**
- H9898—Type D **Your Cost Each 15°**

## Kurz-Kasch

A special selection of fine Bakelite Radio Knobs, that will enhance the appearance of



- No. 127— $1\frac{1}{4}$ ". Ornamental top. **H9889—9°**  
Your Cost Each
- 12 For 90c
- No. 242— $1\frac{1}{8}$ ". Ornamental top. **H9890—9°**  
Your Cost Each
- 12 For 90c
- No. 17— $1\frac{1}{8}$ ". Arrow. **H9885—6°**  
Your Cost Each
- 12 For 65c
- No. 18—Same as above, but  $1\frac{1}{2}$ ". **H9886—10°**  
Your Cost Each
- 12 For \$1.00
- No. 132— $1\frac{1}{8}$ ". Octagon-Pyramid. **H9887—10°**  
Your Cost Each
- 12 For \$1.00
- No. 137— $1\frac{1}{8}$ ". Octagon Flat Top. **H9888—10°**  
Your Cost Each
- 12 For \$1.00

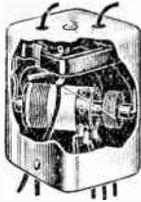
## Radio Knobs

your radio, or control panel. Furnished with  $\frac{1}{4}$ " hole, and set screw.

- No. 98— $1\frac{1}{8}$ ". 2-Tone with skirt. **H9891—10°**  
Your Cost Each
- In Lots of 12. \$1.00
- No. 101—Same as above, but 1". **H9892—9°**  
Your Cost Each
- In Lots of 12. 95c
- Shipping weight per Dozen Knobs 1 pound.

# Trutest Super-Het Coil Kits

## Composite Oscillator-Detector-I. F. 175 K. C.



High gain composite coil used as the first detector, oscillator and first I. F. transformer, eliminates the use of one tube with no loss in efficiency. Top tuning. Factory peaked at 175 K. C. No padding condenser

necessary as it is made for the new special tracking oscillator section of variable condensers of .00036 mfd. Enclosed and fully shielded in a square aluminum can, 3" high, 2" square. Has two spade bolts for mounting. Shipping weight 3 lbs. H9997—**\$1.25**

## Litz Wound Antenna Coil

Lattice wound primary on collar which slips over secondary. Peaked to prevent detuning antenna stage by variation of antenna length. Ring prevents loss of energy at high frequencies and facilitates phasing. Bakelite form  $\frac{7}{8} \times 2\frac{3}{4}$ ". Suitable for use as antenna stage in TRF or Super-Het circuits. Shipping weight 8 ozs. H10077—**\$4.50**



## Litz Wound R. F. Inter-Stage Coil

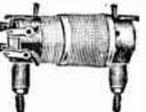


Litz wirewound. Used as the interstage R. F. coil in TRF and super-het circuits. Wound on a  $\frac{7}{8} \times 2\frac{3}{4}$ " Bakelite coil form. Bank wound. Popular for midget and automobile sets. Shipping weight 8 ozs. H10093—**\$5.50**

Your Cost Each

## Oscillator Coil

For use where a shielded oscillator is required. Bakelite form  $\frac{7}{8} \times 2\frac{1}{2}$ " having a silk covered solenoid tickler winding and a pick-up cathode winding, space wound over entire length of bank wound secondary. Less shield. Shipping weight 8 ozs. H10074—**\$5.50**



Your Cost Each

## Pre-Selector Coil

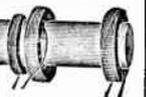


Used as a band pass unit in conjunction with a four gang super-het. circuit. Composed of antenna and an interstage secondary only linked together by an overall sieve. Size  $\frac{7}{8} \times 4\frac{1}{2}$ ". Tunes with .00035 condensers. Shipping weight 8 ozs. H10073—**\$9.30**

Your Cost Each

## Pre-Selector Coil

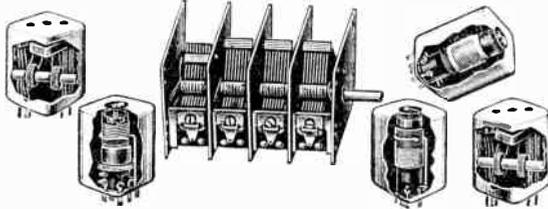
A very efficient low cost pre-selector coil, lattice wound of heavy Litz wire. The form is dehydrated wax maple and has a .106 hole in one end for mounting to the chassis with a  $\frac{3}{16}$ " machine screw. Shipping weight 8 ozs. H10079—**\$4.50**



Your Cost

## 7 or 8 Tube Super-Het. Coil Kit with Precision Variable Condenser

1-56; 2-57; 2-58; or Wunderlich; 1 or 2-47; 1-80 or 82



This is the finest kit of coils, together with the precision variable condenser, that you can possibly buy for the construction of a 7 or 8 tube superheterodyne receiver employing the latest type tubes. By using Trutest Deluxe products for the power transformer and audio equipment, described in this catalog, a set having the finest tone quality of any receiver, either factory made or custom built, can be had. Anyone with a small knowledge of radio can easily hook-up this kit within a few hours. Has 10 kilocycle tuning. Provides extreme pickup. Has tremendous sensitivity and selectivity per stage. These identical coils are used in the finest, most up-to-date factory made receivers. Complete blue print diagram showing the necessary resistances, the color code of the different wires on the coils and where they are connected. The kit includes: One Litz wound antenna coil; one Litz wound R. F. coil, one Litz wound oscillator coil; two I. F. transformers peaked at 175 K. C. Has top tuning. All are fully shielded in square aluminum cans, 3" high, 2" square. Two 6/32 bolts for mounting. Complete kit of coils with four gang .00036 variable condenser, blue print diagram, for use with S. G. type tubes. Shipping weight 8 lbs. H9991—**\$7.10**

Your Cost Per Kit

Same as above, except kit does not include variable condenser. H9992—**\$4.90**

Your Cost

For Wunderlich or .55 dual detector. Has C. T. winding. Complete kit with variable condenser. H9993—**\$7.25**

Your Cost

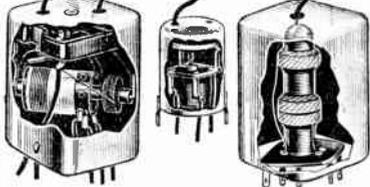
For Wunderlich or 55 dual detector. Complete kit, except no variable condenser. H9994—**\$5.10**

Your Cost

## 5 Tube Midget Super-Het. Coil Kit

For 2-57; 1-58 or Wunderlich; 1-47; 1-80.

Using 3 Gang Condenser .00036 Mfd.



Essential kit of three coils; a very compact band pass pre-selector; a composite detector oscillator and first I. F. peaked at 175 K. C. In 2" square aluminum cans, 3" high. An output I. F. with highest gain known in I. F. coils, in a round aluminum can, top tuning,  $1\frac{3}{4}$ " high,  $1\frac{1}{4}$ " in diameter. Wave length range approximately 160 to 550 meters on three gang .00036 variable condenser. Using these coils and other high quality parts, a set having a sensitivity of 5 micro-volts per meter. Complete blue print diagram furnished with this kit. No variable condenser is supplied with this kit, but one can be selected from the condenser page in this catalog. Complete kit of coils. Shipping weight 3 lbs. H9995—**\$1.95**

Your Cost

For screen-grid tubes. H9996—**\$2.20**

Your Cost

For Wunderlich or 55 Detector Tube.

Your Cost

## Midget Intermediate Frequency Transformer 175 K. C.

High gain Midget I. F. Transformer, suitable for all small super-hets. and automobile receivers. Ideal for where small amount of space is allotted for parts. Top tuning. Size  $1\frac{1}{4} \times 1\frac{3}{4}$ ". Shipping weight 2 lbs. H9998—For super-hets. using S. G. tubes



Your Cost

H9999—With secondary winding center tapped for Wunderlich and 55 dual detector. **\$80.00**

Your Cost

# T. R. F. Coil Kits — Plug-in Coils — Shields

## Trutest Shielded R. F. Coils

Very sensitive. For use with all types S-G tubes and .00035 condenser. Antenna Coil; primary 14 turns No. 28 D.S.C., secondary 130 turns No. 30 enam. R. F. Coil; primary 61 turns No. 31 enam., secondary 130 turns No. 30 enam. Coil  $\frac{7}{8}$  x 2" high shield  $2\frac{1}{4}$  x  $2\frac{3}{4}$ " high. Sets of three have one Antenna Coil and two R. F. Coils; sets of four have one Antenna Coil and three R. F. Coils. Shipping weight 8 oz.

**H10087**—Set of 3  
Your Cost..... **75¢**  
**H10088**—Set of 4  
Your Cost..... **95¢**

## Untuned Assembly

A combination of a self tuned bifilar transformer peaked at 550 K. C. and a detector plate choke coil which finds popular use as an additional Radio frequency stage in 4, 5, and 6 tube receivers both for home use and automobile receivers. Since no external tuning is required, the only additional expense involved is for the Assembly itself and extra tube. Size  $1\frac{1}{2}$ " high by  $1\frac{1}{2}$ " in diameter. Shipping weight 8 oz.

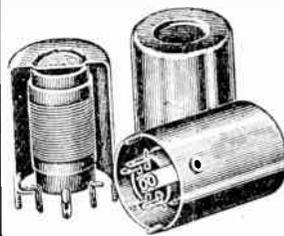
**H10094**—Your Cost..... **55¢**

## Long Wave R. F. Coil

A very recent development in coil winding for long wave transformers or any application requiring large inductance values. Banked four layers deep. Range 550 meters to 1200 meters with a .00035 mfd. condenser; up to 2000 meters with a .001 mfd. condenser. Size  $2\frac{1}{2}$  x  $1\frac{1}{2}$ ". Shipping weight 8 oz.

**H10091**—Your Cost..... **60¢**

## Shielded T. R. F. Coil Kits Secondary Litz Wire Bank Wound



Litz wire coils on  $\frac{1}{8}$ " dia., form  $2\frac{1}{4}$ " long. Mounted in shields  $1\frac{1}{2}$ " dia.,  $2\frac{1}{2}$ " long, provided with mounting lugs. Solder lug connections.

Most efficient T.R.F. coils ever designed. Exceptionally high gain (62.5 at 1500 K.C. and 42.5 at 550 K.C.). Covers band 550 to 1700 K.C. (police calls). For .00036 Mfd. Type Condensers. Blue print of circuit diagrams included.

### For 4 Tube Set

2 Coils; 1 Antenna—1 R. F. For 2-24; 1-47; 1-80 or 1-57; 1-58; 1-47; 1-80 tubes.  
**H10045**—List Price \$1.75  
Your Cost..... **89¢**

### For 5 Tube Set

3 Coils; 1 Antenna—2 R. F. For 2-35; 1-24; 1-47; 1-80 or 2-57; 1-58; 1-47; 1-80 tubes.  
**H10046**—List Price \$2.60  
Your Cost..... **\$1.34**

### For 6 Tube Set

4 Coils; 1 Antenna—3 R. F. For 3-35; 1-24; 1-47; 1-80 or 3-57; 1-58; 1-47; 1-80 tubes.  
**H10047**—List Price \$3.25  
Your Cost..... **\$1.75**

### R. F. Coil

**H10090**—Your Cost..... **48¢**

### Antenna Coil

**H10089**—Your Cost..... **48¢**

## Conoid Coils



Conoid R. F. Coils are fully shielded and self-supporting in a copper container. Suitable for Portable, Midget and Automobile receivers. Removable bases on shields

for ease of mounting, either panel or sub-panel. Operates with .00035 mfd. condenser. Soldering Lugs marked with their respective connections. Shipping weight 8 ozs. Size  $2\frac{1}{8}$ " diameter,  $1\frac{1}{8}$ " high.

**H10083**—Antenna Coil  
**H10084**—R. F. Coil  
Your Cost (either type)..... **35¢**

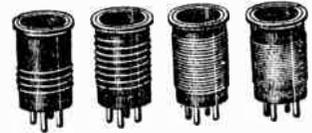
### Matched Set of Three

1-Antenna Coil, 2 R. F. Coils  
**H10085**—Your Cost (per set)..... **95¢**

### Matched Set of Four

1 Antenna Coil, 3 R. F. Coils.  
**H10086**—Your Cost (per set)..... **\$1.25**

## Short Wave Plug-in Coil Set 4 Prong Base



Four coils, wave length range 15 to 200 meters, on .00014 condenser. Bakelite forms  $1\frac{1}{2}$ " diameter by  $2\frac{1}{2}$ " high. Four prong base with connections soldered to prongs.

**H10040**—Set of four.  
Your Cost..... **\$1.25**

Two coils, like above to cover broadcast range 200 to 550 meters on .00014 condenser.

**H10041**—Set of two.  
Your Cost..... **65¢**

## National Plug-in Inductances



Stock No.	Coil No.	Meter Range	Net Per Pr.
N14400	10	9-15	\$3.23
N14401	11	14-25	2.94
N14402	12	23-41	2.94
N14403	13	40-70	2.94
N14404	14	65-115	3.23
N14405	15	115-200	3.23
N14406	16	200-360	3.23
N14407	17	350-550	3.23
N14408	18	500-850	3.82
N14409	19	850-1200	4.70
N14410	20	1200-1500	4.70
N14411	21	1500-2000	4.70

### Special Amateur and Television Coils

Stock No.	Coil No.	Band	Net Per Pr.
N14412	11-A	20	\$3.81
N14413	13-A	40	3.81
N14414	14-A	80	3.81
N14416	15-A	160	3.81
N14417	15-T	Television	3.81
N14418	4 Prong		
N14419	5 Prong		
N14420	6 Prong		
Your Cost Each.....			<b>44¢</b>
Your Cost 6 Prong Socket.....			<b>44¢</b>

## Kolster Variometer



For replacement in Kolster Models K-22, 25, 48A, 48B. Brand new condition. Solves the question of how to tune the aerial circuit, disposing of its distributed capacity. Replacing a new Variometer in a Kolster receiver very often improves the reception. Shipping weight 2 lbs.

**H10050**—List \$6.00  
Your Cost Special..... **25¢**

## Original R C A, Victor, 175 K. C., I. F. Transformer Coils for Models 80, 82, 86

### For First I. F. Stage

Loosely coupled, having a 1" diameter copper disc between coils. The primary resistance is 39 ohms, and the secondary resistance is 42 ohms  
**H10037**—Per Dozen \$2.75  
Your Cost..... **25¢**

### For Second and Third Stage

Tightly coupled. The primary resistance is 39 ohms, and the secondary resistance is 41 ohms.

**H10038**—Per Dozen \$2.00  
Your Cost..... **20¢**



## Trutest Shields for New Type Tubes

Made of aluminum, natural finish. Three pieces: base, barrel and cap. Barrel diameter  $1\frac{1}{8}$ ". Overall height  $4\frac{1}{2}$ ". For New Types 56, 57 and 58 tubes. Covers tube entirely. Shipping weight 1 lb.  
**M13265**—Lots of 10, Each 12c  
Your Cost Each..... **14¢**



Short Type—Grid terminal projects up through opening at top. Three pieces: base, barrel and cap. Aluminum, natural finish. Diameter of barrel  $1\frac{1}{8}$ ". Height  $3\frac{3}{8}$ " Shipping weight 1 lb.

**M13266**—Lots of 10, Each 9c  
Your Cost Each..... **10¢**



## Trutest Tube Shield

A beautifully finished tube shield. For all types of R. F. tubes. Three slots on bottom of shields for direct wiring. Size  $4\frac{3}{8}$ " high,  $2\frac{1}{2}$ " in diameter. Removable base. Shipping weight 1 lb.

**M13259**—Per Dozen \$1.25  
Your Cost Each..... **12¢**

## Trutest Tube Shield

A two-piece tube shield, made of the finest aluminum. Perforated at top and bottom. Second section has slot for screen grid wire. Mounted by means of screw-lugs furnished with each shield. Size  $5\frac{1}{8}$ " high,  $1\frac{1}{8}$ " diameter. Shipping weight 1 lb.

**M13260**—Per Dozen \$1.25  
Your Cost..... **12¢**



## Trutest Special Tube Shield

Complete, copper-plated finished tube shield. Removable top and bottom base. Size 5" high,  $2\frac{1}{4}$ " diameter. Perforated for ventilation. Very popular shield, at a low price. Shipping weight 1 lb.

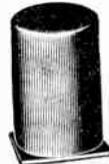
**M13261**—Per Dozen \$1.20  
Your Cost Each..... **12¢**



## Trutest Coil Shield

One of the most popular coil shields made. One piece, rugged aluminum, die-drawn. Size  $3\frac{3}{4}$ " high,  $2\frac{1}{2}$ " diameter. Mounting flange, holes  $\frac{1}{8}$ " dia. Shipping weight 1 lb.

**M13257**—Your Cost Each..... **21¢**



## Trutest Coil Shield

A rugged Aluminum coil shield. Base is drilled for wire connections. Top shield fits on base by means of two set screws. Size  $3\frac{3}{4}$ " high, 3" diameter. Shipping weight 1 lb.

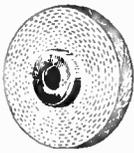
**M13256**—Your Cost Each..... **30¢**



**We Will Not Knowingly Be Undersold**

# RADIO FREQUENCY CHOKES

## Pilot Chokes



Universal wound, 18 millihenry, uncased R. F. choke, designed for use in the plate circuit of 2nd detector in 175 K. C. superhets.  $1\frac{1}{2} \times \frac{1}{4}$ ".

**H10214—Your Cost..... 30¢**



A 30 mh. radio frequency choke coil for use in short wave and broadcast receivers. Choking effect extends from about 15 meters to 600, its distributed capacity being very low.  $1\frac{1}{2}$ " high, 1" diameter.

**H10215—Your Cost..... 74¢**

## Shielded Choke

Made by General Communications Lab



24 mh. R. F. choke, shielded, for general use in short wave and broadcast receivers. Effective range extends from 600 K. C. to 20,000 K. C. distributed capacity 12.5 mmf. D. C. res.

istance 145 ohms. Current carrying capacity 40 m.a. Real inductance is 24.5 mh. Fully shielded in drawn aluminum shell.  $1\frac{3}{4}$ " high,  $1\frac{1}{4}$ " diameter. Shipping weight 1 lb.

**H10119—Your Cost..... 75¢**

## Loading Coil

Wound with Litz wire, finds application as a long wave loading coil, when used in series with broadcast coils to extend the band to include the long wave lengths or can be used with a tightly coupled primary as an R. F. transformer for the lower frequencies.



**H10092—Your Cost Each..... 35¢**

## Hammarlund



Genuine helical winding in a moulded form. Large inductance with minimum of distributed capacity. For plate circuits and grid returns. Will pass 60 M.A. 85 mh, a capacity of 3 mmf. D.C. res. of 215 ohms.

**H8525—Your Cost..... \$1.17**

250 mh. a capacity of 2 mmf D.C. res. of 420 ohms. **H8526—Your Cost.. \$1.32**

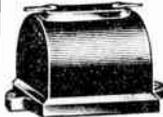
## Majestic R.F. Chokes

85 Millihenries

This is a popular sized radio frequency choke, that can be used for a multitude of purposes, in many circuits and hook-ups, as well as for a replacement in any set. Is accurately wound of 1900 turns of No. 34 enameled wire; cotton covered.



**H10049—Your Cots Each..... 12¢**



Samson helical winding gives inimitable operation as a choke over a wide band of frequency. Mounted and sealed against moisture. 85 mh.

**H10097—Your Cost..... 85¢**  
125 Millihenries.

**H10098—Your Cost..... 98¢**  
Samson unmounted. Has moisture proof coating, 85 Millihenries.

**H10099—Your Cost Each..... 49¢**  
125 Millihenries, unmounted.

**H10103—Your Cost Each..... 69¢**



This little, compact and efficient radio frequency choke coil which has a very low minimum distributed capacity and which is available in 80 millihenries inductance for general use in broadcast and short wave receivers.

**H10121—Your Cost..... 58¢**

## Majestic Intermediate Frequency Coils

Can be used in majestic and other receivers requiring I. F. transformer coils of these specifications. For all 175 K.C. intermediates. Rated inductance of 40 mh. each section. Accurately wound on an isolantite tube. Perfectly insulated.



**H10048—Your Cost..... 25¢**



## National

90 millihenries Multisection winding makes this choke suitable for both

short and broadcast work. Very compact, built as to fit into any standard grid-leak mounting. Shipping weight 6 ozs.

**N14422—Your Cost..... 73¢**  
Short-wave choke, National No. 92.

**N14423—Your Cost..... 42¢**

## Trutest

These R. F. chokes are lattice wound, mounted, easy to fasten down. For all circuits and receivers. 8 millihenries.



**H10100—Your Cost..... 19¢**  
16 Millihenries.

**H10101—Your Cost..... 24¢**  
For Short Wave Work, 5.5 mh.

**H10102—Your Cost..... 18¢**

## RCA-Radiola R. F. Filter Coil With Condensers

Models 44-46-47

Genuine replacement Part No. 6000. Comprising Micarta strip with 3 terminals, 2 bypass condensers, 1 R. F. Filter Coil and mounting bracket. Can be used in any receiver, especially suitable for Screen Grid Audio Coupler units. Shipping weight 1 lb.

**C2004—Your Cost..... 35¢**



## Air-King S. W. Coil Kit

A reasonably priced short wave plug-in coil set for circuits needing high amplification with low loss. Forms of bakelite. Handles engraved with coil number. Four coils cover range from 15 to 210 meters when used with a .0001 mfd. condenser. Excellent for the short wave fan. Shipping weight 3 lbs.

**H10070—Your Cost per Set..... \$1.45**

## Television Coil Kit

Made expressly for Television signals. Covering the band from 100 to 212 meters, when used with .00015 mfd. tuning condensers, these are plug-in coils that bring results. Complete set of 3 coils: 2 R. F. and 1 Detector coil. Wound with genuine Litz Wire. Size  $1\frac{1}{4}$ " diameter,  $2\frac{3}{8}$ " high. Shipping weight 3 lbs.

**H10059—Your Cost..... \$1.50**

## Victor R.F. Coils

Used in Victor Models R-32, RE-75 receivers. Size  $1\frac{1}{2} \times 2\frac{3}{4}$ " high. Complete set of coils, 1 antenna, 3 R. F. coils. Tunes with .00035 mfd. condenser. Shipping weight 3 lbs.

**H10055—Your Cost per Set..... 45¢**

## Hammarlund Isolantite S.W. Coil Forms



New type of plug-in coil form affording maximum efficiency at high frequencies. Isolantite material is known to science to be the finest for high frequency work. The form is equipped with a black enameled grip handle. Surface of form is "non-skid." Plenty of wire holes, makes drilling unnecessary. Size  $1\frac{1}{2}$ " in diameter by  $2\frac{1}{2}$ " high, exclusive of knob and prongs.

**H10056—4 Prong Form**  
**H10057—5 Prong Form**  
**H10058—6 Prong Form**  
Shipping weight 1 lb.  
**Your Cost Each..... 58¢**

## Trutest Coil Forms

For Short Wave or broadcast band coils. Contacts of coil forms fit into any standard 4 or 5 prong tube socket. Has moulded ridge on top for ease of grasping. Set color when ordering. Shipping weight 8 ozs.

**H10060—4 Prong Your Cost Each..... 14¢**

**H10061—5 Prong..... 15¢**

Set of four 4-Prong Forms **Your Cost per Set..... 50¢**

Set of four 5-Prong Forms **Your Cost per Set..... 55¢**  
Shipping weight 2 lbs.

## Trutest Super-Het. Short Wave Converter Coil Assembly

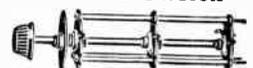
10 to 200 Meters



An assembly of short-wave coils and a low capacity switch, eliminating the inconvenience of plug-in coils. Just a turn of the switch enables choice of the 10-20, 20-40, 40-80, and 80-200 meter bands. Designed to be used with a two tube circuit consisting of a first detector and an oscillator. The output then may be fed to a standard T.R.F. or a Super-Het. 2C0-550 meter broadcast receiver, this completes a combination of a very efficient short-wave Super-Het. receiver plus the regular broadcast receiver. All power can be furnished by the regular broadcast receiver. Equipped with knob and escutcheon plate marked with wavelength. For use with a 2-gang .00014 mfd. condenser. Diagram of hookup furnished. Shipping weight 3 lbs.

**H10104—Your Cost..... \$3.90**

## Selector Switch



Same as used in above Unit. Consisting of a three-pole four-position switch, with shaft; knob and escutcheon plate included. Shipping weight 1 lb.

**M12949—Your Cost..... \$1.50**

## Duo Lateral Honeycomb Coils

Mounted Duo Lateral Honeycomb Coils for broadcast and long-wave reception. Note:—50 mmf. is assumed to be the minimum capacity of the 17 Plate condenser plus the parasitic capacity of the wiring of the circuit. Also 75 mmf. to be the minimum of the 23-plate condenser.



Capacity range of condenser in Micro-Micro Farads	350 mmf. 17 plate		500 mmf. 23 plate		Your Cost
	Min.	Max.	Min.	Max.	
No. Turns					
H10000	25	80	220	260	50.84
H10001	50	160	430	200	51.90
H10002	75	240	620	290	75.95
H10003	100	310	830	380	99.99
H10004	150	480	1360	590	150.02
H10005	200	650	1690	780	200.05
H10006	300	980	2600	1200	310.11
H10007	400	1300	3500	1600	412.14
H10008	500	1700	4400	2000	530.13
H10009	750	2500	6500	3020	780.16
H10010	1000	3400	8800	4100	1150.17
H10011	1250	4400	10400	5300	1350.19
H10012	1500	6400	14000	6500	1650.23

**Coil Plug Receptacle**  
Single mounting receptacle, fits all above type honeycomb coils. Perfect contact.  
**H10015—Your Cost Each..... 65¢**

# YAXLEY Switches and Accessories

## Yaxley Pup Jack

No. 417. For speaker connections and battery leads. Mounts  $\frac{3}{16}$ " hole. Shipping weight 2 oz. **F6455—Each..... 5¢**



## Yaxley Insulated Tip Jack

No. 422. Bakelite Cap. Red and Black for Positive and Negative. Phone tip nests all the way in jack. Mounts in  $\frac{3}{8}$ " hole. Shipping weight 2 oz. **F6467—Per Pair..... 15¢**



## Yaxley Tip Jack

No. 16. Tip Jack with positive single conductor contact, is used for test panels, instruments, battery leads, and in sets for aerial and ground, battery and speaker connections, etc. Hole  $\frac{3}{8}$ ". Easy and convenient to mount. **F6444—List 30¢ Your Cost Each..... 18¢**



## Panel Lights

No. 330. Panel Light, is a convenient reflector for panel mounting. Can also be used for instrument panels, clocks, etc. Mounts in a single  $\frac{1}{2}$ " hole. Is of nickelled brass. **F6390—List 50¢. Your Cost..... 29¢**



## Moulded Twin Tip Jacks

No. 432. The circuit is automatically closed when the tips are removed. Moulded bakelite with single hole mounting. Assembly completely insulated. **M13035—List 25¢ Your Cost..... 15¢**



## Yaxley Junior Jack Switches



These Junior Jack Switches are used for mounting in a small space. Switch lies parallel with panel. Hassomouth self wiping positive action. Furnished complete with Black Knob; on-off plate. Mounts in  $\frac{1}{4}$ " panel hole, up to  $\frac{1}{2}$ " thick. Is  $1\frac{1}{2}$ " deep.

### Two-Position Switches

**F6471—No. 730.** Single pole, double throw. **List 85¢. Net..... 50¢**  
**F6472—No. 740.** Double pole, single throw. **List 95¢. Net..... 56¢**  
**F6473—No. 745.** Five Spring. **List \$1.10. Net..... 65¢**  
**F6474—No. 760.** Double pole, double throw. **List \$1.25. Net..... 73¢**  
**F6475—No. 733.** 3 pole, single throw. **List \$1.25. Net..... 73¢**  
**F6469—No. 744.** 4-pole, single throw. **List \$1.60. Net..... 94¢**

### Three-Position Switches

**F6440—No. 732.** Single pole, double throw, center off. **List 85¢. Net..... 50¢**  
**F6441—No. 762.** Double pole, double throw, center off. **List \$1.20. Net..... 70¢**  
**F6442—No. 763.** 3-pole, double throw, center off. **List \$1.55. Net..... 91¢**  
**F6443—No. 764.** 4-pole, double throw, center off. **List \$1.95. Net..... \$1.15**

## Yaxley Midget Jack Switches

No. 10. Midget Jack Switch requires less space on panel. Black Knob, Pointer and name plate.  $\frac{1}{8}$ " hole mount. Single pole, single throw. **F6446—List 50¢ Net..... 29¢**  
 No. 11. Single pole, double throw. **F6447—List 65¢ Net..... 38¢**



## Yaxley Junior Jacks



Much smaller and requiring less mounting space than the long jack, they are used where space is at a premium. Extends only  $1\frac{1}{4}$ " behind panel. Shipping weight 6 ozs. **F6450—No. 701.** Open circuit. **List 40¢. Net..... 23¢**  
**F6451—No. 702.** Circuit closing. **List 55¢. Net..... 32¢**  
**F6449—No. 702A.** Two circuit. **List 55¢. Net..... 32¢**  
**F6452—No. 703.** Sin. Cir. Fil. Control. **List 65¢. Net..... 38¢**  
**F6453—No. 704.** Interstage. **List 75¢. Net..... 44¢**  
**F6448—No. 706.** Interstage Fil. Control. **List 95¢. Net..... 56¢**

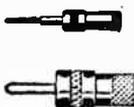
## Bakelite Insulated Jacks

No. 407. These Jacks have attractively colored Bakelite caps; Red for Positive, Black for Negative. Tip nests all the way in the jack. These caps lessen danger of shorting. Mounts in  $\frac{3}{8}$ " hole up to  $\frac{3}{8}$ " panel thickness. One-Black; One-Red. **F6445—List per Pair 35¢ Your Cost..... 21¢**



## Tip Plugs

No. 415. For use with Tip Jacks. Used for test leads in meters, panels. For use with Tip Jacks Nos. 407, 416, 417. **F6438—List 10¢ each Your Cost Each..... 5¢**  
 No. 15. Same construction as No. 415, except has longer tip. To be used with Tip Jacks No. 16, 422. **F6439—List 15¢ each Your Cost Each..... 9¢**



## Yaxley Push Button Switches



are available in a wide range of spring combinations. Furnished complete with black Bakelite knob. Mounts in single hole  $\frac{1}{8}$ " diameter, on panels up to  $\frac{1}{2}$ " thick. **F6460—No. 2001.** Make contact. **List 90¢. Your Cost Each... 53¢**  
**F6461—No. 2002.** Break contact. **List 90¢. Your Cost Each... 53¢**  
**F6462—No. 2003.** Single Pole, double throw. **List \$1.00. Your Cost Each... 59¢**  
**F6457—No. 2004.** 2-pole, 2-ctct. **List \$1.20. Your Cost Each... 59¢**  
**F6464—No. 2005.** 2-pole, brk. 2-ctct. **List \$1.20. Your Cost Each... 59¢**  
**F6465—No. 2006.** 2-pole, double throw. **List \$1.50. Your Cost Each... 88¢**  
**F6463—No. 2007.** Mk-2, brk-1. **List \$1.30. Your Cost Each... 76¢**  
**F6468—No. 2008.** 2-pole, double throw. Make before break. **List \$1.65. Your Cost Each... 97¢**

## Pilot Light Bracket

No. 310. Light Bracket has an attractive Jewel mounted so that pilot bulb illuminates, when your set is on. A reminder to turn it off at night. **F6436—List 30¢ Your Cost Each..... 18¢**



## Yaxley Tip Jacks

No. 416. This is one of the most popular types used. Mounts in  $\frac{3}{8}$ " hole. **F6437—List 15¢. Your Cost..... 9¢**



## EBY Rotary Switches



Three amps., 125 volts. New Style rotary.  $\frac{3}{4}$ " shaft. Mounting lugs.

**Single Pole, Single Throw**  
**M12825—Each..... 15¢**  
**Per Dozen..... \$1.70**  
**Single Pole, Double Throw**  
**M12826—Each..... 18¢**  
**Per Dozen..... \$1.90**

## Porcelain Base Knife Switches

For many radio and electrical uses, especially suitable for aerial and ground. Copper contacts and blades. **M12828—Each..... 14¢**  
**Per Dozen..... \$1.50**



## Carter Phono-Radio Switch

Complete with escutcheon plate. Single pole, double throw.  $\frac{1}{4}$ " shaft. **M12828—Each..... 14¢**  
**Per Dozen..... \$1.50**



## Hart & Hageman Momentary Break Switch



Where temporary contact is wanted. **M12829—Net Each..... 17¢**

## Miniature Bakelite Knife Switches



Nickel plated metal parts. Single pole types  $1\frac{1}{2}$ " long, double pole  $2\frac{1}{2}$ ".

Stock No.	Poles	Throw	Net
R16830	1	S	\$0.29
R16831	1	D	.37
R16832	2	S	.41
R16833	2	D	.47
R16834	3	S	.70
R16835	3	D	.72
R16836	4	S	.84
R16837	4	D	.90
R16838	5	S	1.05
R16839	5	D	1.20

## G. E. Rotary Switch with Knob



On and off switch. Rated 3 amps., 125 volts. Approved.  $\frac{3}{4}$ " shaft for standard knob. **M12827—Each..... 15¢**  
**Per Dozen..... \$1.60**

## Cutler-Hammer Switches

### Single Pole Double Throw Switch

Three terminals, one common. One pole on each end. Ideal for Phono-Radio switch. Rated 3 amps. at 125 volts,  $\frac{1}{2}$ " shaft. **M12834—Each..... 20¢**  
**Per Dozen..... \$2.20**



### 2 Circuit Rotary

Two way, two circuit. Rated 3 amps., 125 volts. Shaft  $1\frac{1}{8}$ " long, for standard knob. **M12837—Each..... 19¢**  
**Per Dozen..... \$2.00**



### Off-On Switch

Similar in appearance to the above except has only two terminals. **M12838—Each..... 14¢**  
**Per Dozen..... \$1.50**



### D. P. D. T. Toggle

A suitable switch for meter panels. Shaft  $\frac{1}{4}$ " long. Not suitable for 110 volt A. C. **M12833—Each..... 42¢**  
**Per Dozen..... \$4.75**

### Triple Throw Toggle

Single pole triple throw. Dead center position.  $\frac{1}{2}$ " shank. **M12831—Each..... 75¢**  
**Per Dozen..... \$8.00**



### Single Pole Double Throw

Similar in appearance to the above, except single pole double throw. Center position off. Suitable for Radio-Phono switch.  $\frac{1}{2}$ " shaft. **M12832—Each..... 42¢**  
**Per Dozen..... \$4.00**

### Cutler-Hammer Toggle Switch

General purpose.  $\frac{1}{2}$ " shaft. 3 amps. at 125 volts. Approved by Underwriters. **M12836—Each..... 15¢**  
**Per Dozen..... \$1.70**



### Long Shank Switch

Same as above except has long shaft; 1". Ideal for wood panels. **M12835—Each..... 17¢**  
**Per Dozen..... \$1.90**



Perfect Merchandise - Prompt Shipment - Personal Service

# NATIONALLY ADVERTISED RADIO BATTERIES

## Exide RADIO Batteries

There is no better storage battery made than the Exide. Those listed below are made especially for radio uses and are fully guaranteed to give you service which is satisfactory in every way. Cases are of one-piece hard molded composition warranted not to crack or leak. We list various sizes and voltages to meet every radio requirement.



Stock No.	Voltage	Capacity	Plates	Shpg. Wt., Lbs.	Your Cost
Y19775	6	50 AHR	5	35	\$7.45
Y19776	6	75 AHR	7	38	9.25
Y19777	6	100 AHR	9	46	11.25
Y19780	6	125 AHR	11	55	13.25
Y19779	6	150 AHR	13	60	14.95
Y19780	4	50 AHR	5	21	6.75
Y19781	2	100 AHR	9	23	5.75

## EVEREADY AIR CELL

To supply filament current to type '30, '31, '32, '33 and '34 two volt tubes. Guaranteed only when used in connection with a receiver designed for it. If used with a built up receiver, insert suitable resistors to keep voltage down to that actually required, and so that the maximum drain will not exceed .65 amperes, otherwise tubes and battery may be damaged. Will deliver upward to 1000 hours' service with a 7-tube receiver when used 2½ to 3 hours per day.



Shipping weight 3 lbs.  
Y19973—List Price \$8.50  
Your Cost Each.....

**\$5.95**

## Universal Muller Battery Clips



Lead coated clips. Heavy spring. Positive contact jaws.

Q16062—No. 24A. Lead coated. 2½" long. **6c**  
10 for..... **58c**

Q16061—No. 48B. Lead coated. 2" long. **3½c**  
10 for..... **33c**

Q16060—No. 45. Pee Wee. Nickel-plated. 1½" long. **3c**  
10 for..... **28c**

Q16063—No. 21A. Lead coated. 3¾" long. **13c**  
10 for..... **\$1.15**

## Mark Time Switches



Important radio programs are missed through sheer forgetfulness. People fall asleep, to awake hours later and find their set still operating. Thousands prefer to be awakened by a cheery radio announcement, rather than by the terrific din on an alarm clock. The answer is in a Mark Time Switch. It is only 2½x3¾" deep, excluding knob. Turns ON or OFF any time from five minutes to fifteen hours.

V18178—List \$4.40  
Your Cost..... **\$2.95**

## Burgess "A" "B" and "C" Batteries



Uniform quality insures equal current drain and low internal resistance.

Stock No.	Burgess No.	Volts	Size L.	W.	H.	Shpg. Each	Unit Pkg. Price	Your Cost	Broken Carton	Loose-Ea	Loose-Ea
<b>SUPER "B" BATTERIES</b>											
Y19850	21308	45	4½	8¾	7¾	16	6	\$2.95	\$2.25	\$2.07	
Y19851	22308	45	3¼	7¾	7¼	10½	6	1.95	1.49	1.37	
Y19855	2305	45	8¾	3¾	7¾	11	6	2.25	1.74	1.58	
<b>Private Car Type</b>											
Y19857	21305	45	4¾	8½	7¾	15½	6	3.75	2.81	2.63	
<b>Police Radio Type</b>											
<b>STANDARD "B" BATTERIES</b>											
Y19859	10308	45	4½	8	7	14	6	2.60	2.00	1.82	
Y19860	2308	45	3½	8¾	7	11	6	1.75	1.35	1.23	
Y19861	5308	45	2½	4½	5½	11	5	2.00	1.54	1.40	
Y19862	5156	22½	2½	4	2¾	5	10	1.25	.97	.88	
Y19863	3145	22½	2	3¾	2½	2	10	1.25	.97	.88	
<b>STANDARD "C" BATTERIES</b>											
Y19866	5360	4½	2½	1½	2¾	1	10	.40	.31	.28	
Y19867	2370	4½	1¾	4	3	2	10	.40	.31	.28	
Y19868	5540	7½	7	4	2¾	3½	10	.75	.58	.53	
<b>SOUND PROJECTION BATTERY</b>											
Y19871	22328	45	3¼	7¾	7¼	10½	4	2.50	1.95	1.75	
<b>RADIO "A" BATTERY</b>											
Y19875	6A	1½	6x2½			3	25	.50	.31	.28	

## Universal Muller Battery Clips



Lead coated clips. Heavy spring. Positive contact jaws.

Q16062—No. 24A. Lead coated. 2½" long. **6c**  
10 for..... **58c**

Q16061—No. 48B. Lead coated. 2" long. **3½c**  
10 for..... **33c**

Q16060—No. 45. Pee Wee. Nickel-plated. 1½" long. **3c**  
10 for..... **28c**

Q16063—No. 21A. Lead coated. 3¾" long. **13c**  
10 for..... **\$1.15**

## Mark Time Switches



Important radio programs are missed through sheer forgetfulness. People fall asleep, to awake hours later and find their set still operating. Thousands prefer to be awakened by a cheery radio announcement, rather than by the terrific din on an alarm clock. The answer is in a Mark Time Switch. It is only 2½x3¾" deep, excluding knob. Turns ON or OFF any time from five minutes to fifteen hours.

V18178—List \$4.40  
Your Cost..... **\$2.95**

## Mark Time Switches



A time switch of numerous uses. Turns current on and off at any predetermined time; governed by setting of external dial, marked in 15 minute divisions. Maximum limit of time 15 hours. Enclosed in bakelite case. Ideal for electrical appliances, or the Radio. Shipping weight 4 lbs. Table model size 5½x3¼x2¾".

A very convenient and safe electric watchman that never fails.

V18180—List \$6.95  
Your Cost Each..... **\$4.45**

## Wall Model



Mechanism is designed for installing in standard wall flush box. Capacity 10 amperes, at 125 volts. Underwriters Lab. approved. Complete with Bakelite wall plate. Shipping weight

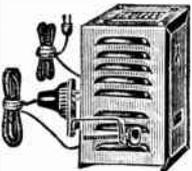
2 lbs.  
V18181—List \$4.50  
Your Cost Each..... **\$3.09**

## Hydrometer



Live red rubber bulb and nozzle; beaded float. Shipping weight 3 lbs.  
P15694  
Your Cost Each..... **25c**

## Trutest Automobile Battery Charger



This efficient and inexpensive charger will keep your battery up to its full capacity at all times. You cannot afford to be without one with the increased demand on your automobile battery due to the use of your auto radio and other necessities of present day cars. This is an essential part of your car equipment. A simple installation and it is ready for use. Attach the clamp-on receptacle to the dashboard of your car and attach the two leads from the receptacle to the ammeter and your charger is ready for use. When you drive into your garage at night simply plug your charger into the receptacle and it will give your battery the necessary boost to keep it up to its full capacity. Shipping weight 7 lbs.

N14200—Your Cost..... **\$3.95**

## Mallory Elkon Automobile "A" Battery Charger



Here is the solution to that ever-present and increasingly important problem of a run down Automobile Battery. With present day development of the necessities used in an Auto, there is an increasing demand placed upon the Battery; a demand it is unable to meet unaided. The solution, an easy and most economical one is—Use this Charger. No installation necessary—simply attach clamp-on receptacle to dash and attach wires to ammeter and ground—that's all. Size 7¾" long; 3¼" wide; 3¼" deep. Shipping weight 7 lbs.

P15698—List \$9.75  
Your Cost..... **\$5.75**

## National Velvet "B" Eliminator

This rugged unit has been designed with liberal factors of safety. Operates 1 to 6-tube sets, including power tube. Provided with protective voltage adjustments, adjustable taps giving the following voltages: 22-45 for detector, 45-90 for r.f., 90-135 for Audio and full 180 volts at 35 M.A. for Power Tube (Non-adjustable). Shipping weight 18 lbs. Silent, Hum-free output. Black crystalline case.  
H14380—List \$26.50  
Your Cost less Tube..... **\$9.95**



**SUPER VELVET "B"**  
A strictly heavy duty unit with output of 70 M.A. at 180 volts. Similar in appearance and operation to the above unit except that the 180 volt output is adjustable. Its output of 70 M.A. is sufficient to furnish current to receivers of from 1 to 9 tubes. Black crystalline steel case. Shipping weight 26 lbs.  
H14381—List \$39.50  
Your Cost with Tube..... **\$23.23**

# Interference Filters — Voltage and Tone Controls

## Insuline Popular Filtervolt



Size 3 1/4 x 4 1/2 x 5". Mounting Flange. Shipping weight 7 lbs. **L12617—Your Cost**

This model Filtervolt has more than twice the capacity of the Filtervolt, Jr., and is especially recommended for use in cases where the capacity of the Filtervolt, Jr., is not sufficiently large to eliminate all the noises. This Model can be installed either at the radio set, or at the source of the apparatus causing the disturbance. It is constructed of heavy duty condensers, making it an ideal noise eliminator for disturbances caused by electric heating pads, irons, toasters, vacuum cleaners, sewing machines, motors up to 1/2 horsepower, etc.

**\$2.80**

## Aerovox Interference Filter



Receiving sets are afflicted with a great many troublesome noises coming from electric signs, motors, washing machines, oil burners, etc., which can be eliminated by connecting this device between the receiver and the power supply. More effective when used in series with the power line supplying the interfering machine, yet accomplishes remarkable results when used at the radio outlet. A necessity for satisfactory reception in localities where noises are very pronounced. Complete with power cord. Shipping weight 4 lbs.

**D3550—List \$5.00**

**Your Cost Each \$2.94**

## I.C.A. Senior Filtervolt

A heavy duty model which filters out man-made static caused by electric signs, large electric motors, oil burners, and other larger machines. Can be used on all types of sets either A. C. or D. C. Housed in a neat metal japanned case, size 5 1/2 x 6 1/2 x 3 1/2". Equally effective on 25-60 cycle, 32-110 volts A. C. Complete instructions furnished. Shipping weight 8 lbs. **L12618—List \$15.00**

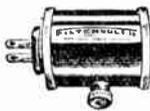
**Your Cost Each**



**\$8.45**

## I.C.A. Jr. Filtervolt

Eliminates noises from the radio caused by heating pads, switching on and off lights, toasters, vacuum cleaners, etc. Plugs into power supply outlet and has receptacle for inserting radio power cable. Small, neat and compact. Shipping weight 2 lbs.



Shipping weight **\$1.70**

**L12616—List \$3.00. Your Cost**

## RCA Universal Filter Unit—Type "A"

**"Special" While They Last**



**125 Volts A.C. or D.C.**

Made by The Radio Corporation of America. This Universal Filter Unit is a small, compact, semi-portable unit to be used with motors, heating pads, contact devices, violet ray apparatus, etc. The filter is capable of carrying a continuous current of 2 1/2 amperes at 125 volts A. C. or D. C. A six foot extension cord complete with attachment plug is provided. A binding post is provided on the end of filter unit and, whenever used in conjunction with a motor, connection should be made between post and motor frame, otherwise connect from post to a good ground connection. Completely sealed in a metal case, finished in a pleasing bronze lacquer. Size 5 1/2 x 2 1/2 x 2 3/8" high. Shipping weight 5 lbs.

**B550—Your Cost Special \$1.95**



## Aerovox Interference Filter Type IN-26

A lighter duty unit than the above. Very effective in reducing the noises in radio sets produced by electric fans and similar small machinery. Suitable for any 110 volt A. C. Line, or any D. C. Line of 200

or less volts. Most effective when used at the source of interference. Shipping weight 1 lb. **D3551—List \$2.25**

**Your Cost \$1.32**

## Aerovox Type IN-25 Interference Filter

This Unit can be installed at any wall outlet, the screw which mounts it on the wall plate serving as the ground connection to the grounded conduit box. It is recommended for use with stationary equipment such as fans, radio receivers, etc., which do not require long extension leads. For 200 volt D. C., 110 volt A. C. Shipping weight 1 lb. **D3552—List \$1.75. Your Cost \$1.05**



## Filterette Senior

Especially recommended for portable electrical appliances causing a more intense interference than that suppressed by the Filterette, Jr., most satisfactory for use on grounded neutral wiring systems. In metal case 2" dia. and 4" long. It is connected between receptacle and appliance provided with binding post to connect return wire from Filterette to frame of appliance; unit may be used on A. C. or D. C. maximum potential: 110 volts. A. C. or D. C. maximum current: 5 amps. Shipping weight 4 lbs.

**L12600—List Price \$5.50**

**Your Cost Each \$3.24**



## Filterette Junior

A compact Filterette for household appliances. Vacuum cleaners, small hair dryers, fans and cash registers are easily made interference free by use of a Filterette, Jr. The function of the Filterette is to prevent the distribution along wiring circuits of impulses or disturbances having frequencies within the broadcast band. In a bakelite case 1 1/2" in diameter and 2 1/2" long. Is provided with binding post for connecting return wire from Filterette to frame of appliance. Maximum potential 110 volts A. C. or D. C. Shipping weight 1 lb. **L12601—List \$1.85**

**Your Cost Each \$1.08**



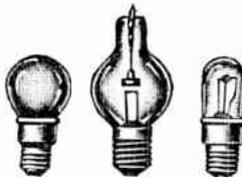
## Dial Filterette

Applied to the contacts causing interference when a dial telephone is used. May be mounted within the base it will not interfere in any way. Is contained in bakelite tube 1" in diameter and 1 1/2" long. May be installed using only screw driver. Shipping weight 8 ozs.

**L12602—List \$3.50**

**Your Cost \$2.05**

## G. E. Tungar Bulbs



Stock No.	Type	Net
Z21900	Trickle	\$2.80
Z21901	2 amp. new	2.80
Z21902	2 amp. old	2.80
Z21903	5 amp.	5.60
Z21904	6-12 amp.	5.60

## Tungar Type Bulbs

First quality, thoroughly reliable units for use in chargers, "A" eliminators, etc. Guaranteed new and perfect merchandise.

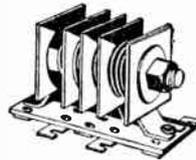
**Z21905—6 amp. bulb for Trickle Chargers. Your Cost Each \$1.70**

**Z21906—2 amp. bulb with tip. Your Cost Each \$1.90**

**Z21907—2 amp. bulb without tip. Your Cost Each \$1.90**

**Z21908—6 amp. bulb. Your Cost Each \$4.75**

## Elkon Replacement Rectifiers

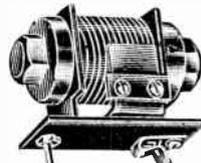


The recommended replacement unit for Majestic "A" eliminators. May also be used on following eliminators: Mayolian, Elkon, Philco, Webster, Knapp, General Inst., Metro, Fada, Bernard, Sentinel and Briggs & Stratton. 3 amperes. Shipping weight 4 lbs.

**A431—Type XB-16 List \$7.00**

**Your Cost \$3.75**

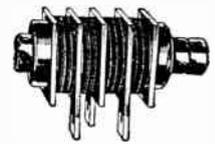
## Elkon Rectifiers



For Philco "A" and "AA". Replaces the wet jar rectifiers used in the Philco Trickle Chargers "A" Eliminators and "A" and "B" combinations. Are noiseless—nothing to get out of order, trouble and care-proof. Any one can make the replacement; it does not require a service man. Simple to attach, only two wires to connect—no liquids—no attention—just satisfaction. Replace all low voltage Philco liquid rectifiers with new Elkon XP-12 solid dry rectifiers. Shipping weight 2 lbs. **A430—List \$4.00**

**Your Cost \$2.35**

## B-L Rectifying Units



Type "B" full-wave units are made for dynamic speakers, "A" powers, signaling equipment, etc. Type B-12 is for such "A" eliminators as Acme, Sterling, Arco, Stewart, France, Galvin, Green-Brown, etc. Type B-16 is for Green-Brown, Type D Norden-HAUCK No. 8A. Tobe Deutchman, Webster, Valley type DMA, etc. Shipping weight 3 lbs.

**A435—Type B-12 List \$4.50. Your Cost \$2.65**

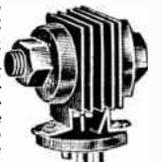
**A436—Type B-16 List \$5.00. Your Cost \$2.94**

## Elkon Rectifiers

For Trickle and Tapering Chargers. Thousands of chargers using Elkon Dry Rectifiers need replacing. There is nothing to wear out in the chargers, but the rectifier units should be replaced after 5000 hours use. Type XB-4 (3 units to set) should be used in the Elkon Type B and T, National Battery Co., Acme and Bernard. Type X-12 should be used in the Elkon Type E, W. L. S. and Song Bird. Shipping weight 1 lb.

**B429—Type XB-4. List \$4.00 set. Your Cost \$2.35**

**B432—Type X-12. List \$4.00 set. Your Cost \$2.35**





# AMPERITE

## Improve the Set with a Real Regulator

### Amperites

Don't just repair—improve the set. It takes less than an hour of high line voltage to overload condensers and resistances—making them noisy. Keeping the voltage constant will mean elimination of crackling noises. Better and more uniform reception. And no power pack burn outs.

Amperite is a real regulating voltage control—not a fixed resistance or reducer. It is the control recommended by all leading set manufacturers, such as RCA-Victor, Zenith, Bosch, etc. Easily installed in five minutes.

### Universal For All Countries

The standard Amperite will operate any standard set on 90 to 150 volts. No taps on transformer needed. Automatically adjusts set to line voltage. **No adjustments to make.** Controls both high and low voltages. Write for complete details.

### New Amperite Prices

**V19100**—List \$3.00  
Your Cost (specify type or set model) **\$1.25**

**V19101**—Socket for inserting Amperite in line. List 25c. Your Cost **15¢**

### Amperite for Automobile Sets

Storage battery of car varies 5.5 to 8 volts—31%—depending upon speed of car and battery condition. Easily installed—gives uniform reception.

**V19102**—List \$3.00  
Your Cost (Complete) **\$1.25**

**Amperite.** Cartridge type. (For battery operation). Specify type of tubes used in set.

**V19103**—With mounting. Your Cost Each **64¢**

## New Amperite Chart

	No. Tubes in Set	Use Amperite
The Amperite for any 110v A. C. set can be determined approximately from the following chart.	4-5	5-A-5
	6-7	7-A-5
	8, 9-10	9-A-5
	11-12	11-A-5

And for sets using '50 type tubes.  
7 to 11 tube sets (1-'50) Amperite 13-A-5.  
7 to 11 tube sets (2-'50s) Amperite 20-A-5.  
110 volt D. C. sets use Amperite 20-A-5.

### Amperite for Special Sets

Brunswick 14; 21; 31	9-20
Brem. Tully S-81; S-82	9-20
Gen. Elec. H-31; H-51	9-V-10
Hamm. Roberts Hi Q-31	10-10
Hamm. Roberts Hi Q-30	11-20
Kylelectron K-71; K-72	11-20
Majestic 90; 91; 92	90
Majestic 70; 71; 72	70
Peerless 21 to 25	11-20
RCA 876 Ballast (Screw Base)	876
Scott A. C. 10	12-20
Star Raider	18-10
Victor R-32; 52	10-V-10

There is An Amperite For Every Set

## The Radio Owl



Turns off your radio silently, automatically. Operates any radio set, either battery or A. C. type. Can be used to turn off lights in the home, or signs in the store. Can be installed in a second. Simply plug into light socket, then plug radio into the same double connection. Sturdily constructed of metal, practically indestructible. Is attractively finished, with sparkling green or red jeweled eyes. Is 4 1/4" high and 2 1/2" in diameter. No springs to wind or hands to set. Shipping weight 6 lbs.

**L12660**—List \$5.00  
Your Cost Each **\$2.94**

### Clarostat Line Ballasts

Real compensation for line voltage changes is available for radio sets and amplifiers designed for use with the Line Ballast. The Clarostat Line Ballast will cover a range of from 95 to 135 volts. **GUARANTEED REPLACEMENT FOR THE FOLLOWING RECEIVERS:**

Stock No.	Replacement For	Ballast Type No.
F6803	Belmont	2518
F6804	Bremer-Tully	2169
F6805	Brunswick	2179
F6806	Clarion	2408
F6807	Grebe I	6412
F6808	Grebe II	6420
F6809	Grebe III	6310
F6810	Grebe IV	0500
F6811	Grebe V	0600
F6812	Grebe VI	0608
F6813	Grebe VII	0710
F6815	HFL	4210
F6805	HiQ 30	2179
F6806	HiQ 31	2408
F6807	Kennedy	6412
F6809	Kyleelectron	6310
F6814	Larkin	2314
F6817	Larkin	6412
F6816	Majestic 70	1516
F6817	Majestic 72	1508
F6818	Majestic 80	1012
F6819	Majestic 90	1210
F6820	Maldwin	2516
F6809	Peerless	6310
F6821	Peerless	2500
F6805	Scott	2179
F6805	Silver	2179
F6820	Simplex	2516
F6805	Sonora	2179
F6815	Sonora	4210
F6822	Star Raider	*2100
F6803	Stark Piano	2518
F6823	Stewart Warner	
F6824	Model 900-61816	5001
F6824	Model 950-62152	5002
F6825	Model R100-66756	5003
F6809	United Reproducer	6310
F6826	UV876 Tube	*2200

\*Use two ballasts in series. All types. List \$2.50  
Your Cost Each **\$1.25**

### Power and Super-Power Clarostats

Power and Super-Power Clarostats are heavy-duty variable resistors for radio power units, transmitters, or general electrical applications. The power Clarostats will handle 80 watts, the Super-Power will carry 250 watts. Both types can be mounted one-hole panel type.

**Power Clarostats**  
Stock No. Resistance Range in Ohms  
F6831 1/4 to 10  
F6832 25 to 500  
F6833 200 to 100,000  
List \$3.50  
Your Cost Each **\$2.05**

**Super-Power Clarostats**  
F6834 1/4 to 10  
F6835 25 to 500  
F6836 200 to 100,000  
List \$6.00  
Your Cost Each **\$3.50**

### Readrite A. C. Line Voltage Regulator

Very desirable for use ahead of A. C. radio sets where line voltage fluctuates. Saves tubes and condensers. Has dial and rheostat by means of which voltage may be adjusted to exactly 110 volts, portion of dial above this mark being in red, it is easy to notice when voltage rises above the danger mark. Baked enamel finish. Shipping weight 3 lbs.  
**K11021**—List \$6.50  
Your Cost **\$3.70**

### Phone and Speaker Cords

Five foot double cord. Spade tips one end; straight tips other. Cotton braid cover.

**N13955**—List 55c  
Your Cost Each **15¢**

As above with straight tips both ends. **N13956**  
Your Cost Each **15¢**

Five foot single cord with straight tips both ends. **N13957**—List 35c  
Your Cost Each **9¢**

### Automatic Line Voltage Control

A dependable voltage regulator. Small, neat, compact. Fits any standard outlet. For all A. C. sets up to 9 tubes. Keeps voltage at proper value at all times. Steel clad, air-cooled. Shipping weight 8 ozs.  
**R16955**—List \$1.25  
Your Cost **33¢**  
Lots of 10 **\$3.00**

### Universal Resistovolt

Protects tubes, condensers and reduces hum by counteracting line voltage surges. Made by ICA. Shipping weight 8 oz.

**L12619**—For sets using 6 tubes or less. **L12620**—For sets using more than six tubes. List Price, \$1.50—Your Cost (either) **75¢**

### I. C. A. Resistovolt

Meets an existing condition in practically all households, namely voltage fluctuation, the bane of radio tubes, also fading reception due to this cause. With a variation of as much as thirty percent in some local lines, as well as a general fluctuation throughout the country, the function of the Resistovolt is to level out the supply at all times, so as to give the most efficient operating voltage. The device simply plugs into the house current line, and the set plugs into the opposite side. For sets using up to six tubes and for those using six or more tubes. Shipping weight 1 lb.  
**L12605**—For sets using 6 tubes or less.  
**L12606**—For sets using more than six tubes. List \$1.75  
Your Cost (either) **98¢**



### Extension Cords Tinsel Centers

Stranded tinsel conductor with double covering of cotton insulating braid. Not suitable for carrying heavy current. Intended for speaker extension. Pin tips both ends.

Stock No.	Length	Your Cost
N13945	10	\$0.14
N13946	20	.16
N13947	30	.24
N13948	40	.30
N13949	50	.35
N13950	100	.65

### Stranded Copper Wire Center

Designed for heavier usage than the tinsel type. Rubber insulation with outside covering of cotton braid. Pin Tip ends.

Stock No.	Length	Your Cost
N13951	10	\$0.20
N13952	20	.32
N13953	30	.50
N13954	50	.75

### Extension Cord Connector

Has two openings at either end for inserting two pin tips. Hard composition insulating material.

**M13051**—**6¢**  
Each.  
Per dozen **65¢**

### I. C. A. Varitone

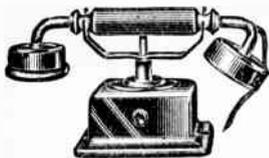
A scientifically designed device that will make old and inferior receivers bring out the deep tones and shadings as pleasingly as the new sets. Equipped with two leads and adapters that fit beneath the power tubes. May be used on sets having either single or double power tubes. Shipping weight 2 lbs.

**L12614**—List Price \$2.50  
Your Cost **\$1.40**  
Each.

### Panel Mount Varitone

Functions the same as the above. It is designed for those who desire a Tone Control on the panel. Where only one power tube is used the second adapter is cut off and the wire connected to the ground post of the receiver. Shipping weight 2 lbs. List \$2.25  
**L12615**—Your Cost **\$1.28**

### French Duplex Cradle Phones



The New Connecticut French Type Cradle Phone is designed to fill the demand for an inexpensive portable type telephone and signal system. Standard dry cells for permanent installations and over 150 feet lines. Base of phone is of heavy gauge steel and contains operating mechanism, including buzzer and necessary connections. Finished in light green. Shipping weight 8 M13440—List \$7.50  
**Your Cost Per Pair \$5.50**



### New Feather-weight Head Phones

You would scarcely know you had them on. . . So light and so comfortable that hours of continuous use does not bring the wearer the slightest discomfort. They are efficient too; their total resistance of 4000 ohms makes them extremely sensitive to DX and weak signals. Headband is made of flexible steel finished in crackle maroon lacquer. Phone units similarly finished. Shipping weight 2 lbs. M13935—**\$1.35**  
**Your Cost Per Pair**



### Cannon Ball Phones

The biggest phone value we have ever offered! A high grade, extremely sensitive pair of head phones at a price that defies competition. Aluminum shells. Adjustable web covered headbands. Molded hard rubber caps. Total resistance 2000 ohms. Complete with cords. Shipping weight 2 lbs. M13930—**\$1.10**  
**Your Cost**

### Ear Phone Cushions

These cushions, made of soft rubber, are ideally suited for amateur, wireless operator and others using phones over a long period of time.

M13940—List Per Pair 75c  
**Your Cost . . . . . 25c**



### Yaxley Double Phone Plugs

Have many uses, such as to plug in one pair of phones; or one speaker; or one pair of phones and one speaker; or two speakers. Insulated to prevent shorting. F6295—**Your Cost Each. 29c**

Refer to Page 132 for Extension Cords, Extension Cord Connectors and Phone and Speaker Cords.



### Frost DX Special Fones 20,000 Ohms Impedance

Designed by Frost, this product is the result of over thirty years experience in the manufacture of the highest grade telephone equipment. These phones fully meet the requirements of amateurs and DX fans. Are extremely sensitive to the faintest sound. This type easily adjustable; can be worn for hours without the slightest discomfort. Wire is the finest grade, enameled, and machine wound on the magnet bobbins insuring accuracy. Magnets are of a special steel; diaphragms of finest gauge metal respond to the faintest impulse. Shells are of polished aluminum with black composition caps. Equipped with a five-foot flexible cord; very durable insuring long wear. Has standard phone tips. Its impedance of 20000 ohms make it a very handy phone for testing and peaking intermediate frequency transformers in superhet receivers, also for all-around testing. M13931—List \$5.00  
**Your Cost Per Pair. \$2.50**

### Frost Fones 2000 Ohms \$1.38 Pair

Long a big favorite with the radio man because of their all-round high quality, lightness of weight, and ease of adjustment for perfect comfort. Carefully and scientifically made. Unexcelled for testing or for reception. Shipping weight 2 lbs. M13932—2000 ohms—**\$1.38**  
**Your Cost Per Pair**  
M13933—3000 ohms—**\$1.55**  
**Your Cost Per Pair**



### Brandes Phones

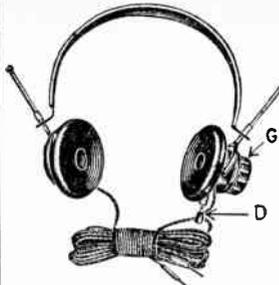
A scientifically made set of head phones designed for those demanding a superior article. They are full-size yet are unusually comfortable to wear. Shells are of polished aluminum. Resistance 2000 ohms. Adjustable. Web covered flexible steel head band. Complete with cord. Shipping weight 2 lbs. M13925—**Your Special Price Per Pair \$1.25**  
M13936—Extra Caps Each. . . . . 22c  
M13937—Extra Diaphragms Each. . . . . 8c  
M13938—Extra Headband Each 30c

### Lightweight Headphones

Weight 5 oz. These phones have every feature insuring performance, reproduction, and service. Are efficient, small in size; light in weight, and easily adjusted. The articulation is clear, and the faintest sound can be readily distinguished. Shells of polished aluminum. Shipping weight 1 lb. M13927—2000 ohms—**97c**  
List \$2.25—**Your Cost**  
M13928—4000 ohms—**\$1.05**  
List \$2.50—**Your Cost**

**Tested Crystals**  
These guaranteed crystals are of the highest grade Galena, cold molded, selected and tested for sensitivity and tone. M13900—Galena—**10c**  
**Your Cost Each**  
M13901—Super-Sensitive—**15c**  
**Your Cost Each**

### Winchester Headphones with Built-in Detector



### "A Pocket Radio Set"

One of the most ingenious and remarkable radio sets ever devised. Can be carried in the pocket. Ideal for the camper, traveler or anyone desiring their own individual radio set. A pair of scientifically constructed head-phones, containing a built-in detector, with tuning device covering the entire broadcast band. Used on regular antenna, or attached to light socket with condenser plug interposed. Of the highest quality, with special compressed crystal, ultra-sensitive over entire surface. Made of bakelite with coils of 2000 ohms impedance; 4000 ohms in all. Flexible steel headbands, fully covered and easily adjusted. These can also be used as regular headphones by disconnecting variable condenser. M13915—**\$3.75**  
**Your Cost**

pressed crystal, ultra-sensitive over entire surface. Made of bakelite with coils of 2000 ohms impedance; 4000 ohms in all. Flexible steel headbands, fully covered and easily adjusted. These can also be used as regular headphones by disconnecting variable condenser. M13915—**\$3.75**  
**Your Cost**

### "Little Wonder" Crystal Set



**59c**  
**Net**

The most inexpensive radio receiver on the market. Using no batteries or power of any kind; good, clear reception can be had within 10 to 25 miles of the broadcast station, depending upon local conditions. Very sensitive crystal with adjustable cat whisker. Shipping weight 1 lb. M13889—**59c**  
**Your Cost Each**



**Blackbird Crystal Set \$1.77 Net**

An efficient receiving set which will receive broadcasting loud and clear. Has super-sensitive crystal enclosed in dust-proof glass shell, Bakelite tuning knob, aerial ground and phone binding posts mounted on front panel. Front panel is modernistic gold finish and cabinet is black leatherette. Shipping weight 5 lbs. M13887—**\$1.77**  
**Your Cost Each**

### "Selective" Crystal Set



Shipping weight 5 lbs. M13886—List Price \$5.00  
**Your Cost**

A remarkable small set which performs in a manner equal to many single tube receivers. Consists of a tapped inductance, .00035 mfd. variable condenser, glass enclosed adjustable crystal, tuning slider, binding posts for antenna and ground, and double connection posts for two pairs of head phones. Mounted on brushed nickel panel. Attractive slanting faced cabinet. Highly recommended for economical, distortionless and selective reception. Shipping weight 5 lbs. M13886—List Price \$5.00  
**Your Cost**

**\$2.45**

### Philmore 1, 2, and 3 Tube Sets



These receiving sets have been designed and are a development of a well known circuit universally applauded for its selectivity. The improved circuit has been amended to eliminate cumbersome controls employed in the original circuit by means of a fixed condenser and spider web coil used as a primary, secondary and fixed tickler. These new features assure easy tuning, additional selectivity and sensitivity and plenty of volume. These sets employ the new 2 volt tubes which draw but very little current and which are economically operated from dry cell batteries.

#### 1 TUBE SET

M13880—Requires one dry "A" Battery, one 2 1/2 volt "B" Battery and one type 230 Tube; Headphones and Aerial. Less Accessories  
**Your Cost \$4.45**

M13881—Complete with Batteries and Tube (no Headphones or Aerial). Shipping weight 15 lbs.  
**Your Cost Each \$6.50**

#### 2 TUBE SET

M13882—Requires two dry "A" Batteries, one 45 volt "B" Battery, two type 230 Tubes, Headphones and Aerial. Shipping weight 9 lbs. (Less Accessories).  
**Your Cost \$5.25**

M13883—Complete with Batteries and Tubes (no Headphones or Aerial). Shipping weight 27 lbs.  
**Your Cost Each \$8.75**

#### 3 TUBE SET

M13884—Requires two dry "A" Batteries, two 45 volt "B" Batteries, one 2 1/2 volt "C" Battery, two 230 and one 231 tubes, Headphones or magnetic speaker and Aerial. Shipping weight 33 lbs. Less Accessories  
**Your Cost Each \$7.45**

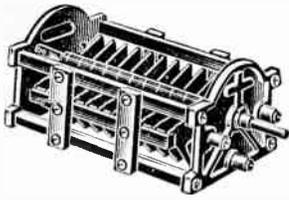
M13885—Complete with Tubes and Batteries (no Headphones or Aerial). Shipping weight 9 lbs.  
**Your Cost Each \$13.95**

### Special Aerial and Headphone Kit

A specially matched set of Headphones and complete Aerial-Ground equipment for use with any of the Philmore Sets listed on this page. Shipping weight 5 lbs. M13890—**\$1.40**  
**Your Cost**

# Transmitting Equipment

## New Hammarlund Transmitting Condensers



The NEW HAMMARLUND Transmitting Condensers incorporate features usually associated only with high power transmitters. The use of extruded Isolantite for insulation assures highest efficiency. Heavy cast aluminum end plates shield the condenser thoroughly. Shafts are  $\frac{1}{4}$ " diameter, extend  $1\frac{1}{2}$ ". Overall width  $4\frac{1}{16}$ ", height  $3\frac{3}{16}$ ".

beyond panel mounting bushings. Maximum shipping weight 5 lbs.

	Mmf.	Plates Thickness	Plate Edges	Plate Spacing	Plate Voltage Rating	Overall Length	Your Cost
N14062	30	7	.040"	Rounded	.192"	6500v	3 $\frac{3}{8}$ " \$2.94
N14063	50	11	.040"	Rounded	.192"	6500v	4 $\frac{1}{2}$ " 3.81
N14064	100	21	.010"	Rounded	.192"	6500v	6 $\frac{1}{2}$ " 5.59
N14065	150	31	.040"	Rounded	.192"	6500v	8 $\frac{1}{2}$ " 7.94
N14066	225	47	.040"	Rounded	.192"	6500v	12 $\frac{1}{2}$ " 10.58
N14067	100	11	.040"	Rounded	.080"	3000v	3 $\frac{3}{8}$ " 3.24
N14068	150	17	.040"	Rounded	.080"	3000v	3 $\frac{3}{8}$ " 3.81
N14069	225	23	.040"	Rounded	.080"	3000v	4 $\frac{5}{8}$ " 4.70
N14070	335	43	.040"	Rounded	.100"	3500v	7 $\frac{1}{8}$ " 7.06
N14071	450	47	.040"	Rounded	.080"	3000v	7 $\frac{1}{8}$ " 7.06
N14072	225	23	.025"	Plain	.080"	2000v	4 $\frac{1}{2}$ " 3.53
N14073	350	19	.025"	Plain	.038"	1000v	3 $\frac{3}{8}$ " 2.94
N14074	500	27	.025"	Plain	.038"	1000v	3 $\frac{3}{8}$ " 3.24

\* Actual Air Gap between adjacent rotor and stator plates.

## Antenna Insulators

### Antenna Feeder Spreaders



Bakelite.  $\frac{3}{4}$ " x  $\frac{1}{2}$ " thick. "I" bolt and recessed washer holds No. 12 or 14 wire. Permanent grip. Ideal for Zeppelin Antenna. Light in weight high insulating properties.  
**R16817**—Spacers 5" apart.  
**R16818**—Spacers 7"  
**Your Cost Each** ..... **15¢**



**Shell Only**  
 No fittings. For those who wish to provide their own rods and fittings. Shipping weight 4 lbs.

**R16815**—4 $\frac{1}{2}$ " x 6 $\frac{1}{16}$ ".  
**R16816**—4 $\frac{3}{8}$ " x 6 $\frac{1}{16}$ ".  
**List \$1.00**  
**Your Cost** .....

**69¢**

### Amateur Type

Diameter 2 $\frac{1}{2}$ ". Supplied with brass rod, 4 brass jamb nuts, 2 brass washers and 2 rubber gaskets. Shipping weight 3 lbs.



**R16813**—15" rod. **List \$2.20**  
**Your Cost** ..... **\$1.50**  
**R16814**—20" rod. **List \$2.30**  
**Your Cost** ..... **\$1.58**

### Airplane Type

Complete with brass rod and fittings. Mounts to flat surface by means of screws extending through outer flange. Diameter 3 $\frac{1}{2}$ ", length 4". Shipping weight 2 lbs.



**R16810**—List \$4.00  
**Your Cost Each** .... **\$2.75**



### Pyrex Antenna Insulators

Strong and neat; a size for every amateur purpose.  
 Stock No. Overall Length Power Rating Your Cost  
**R16805** 3 $\frac{3}{8}$ " \$0.17  
**R16806** 7 $\frac{1}{2}$ " 250 Watts .68  
**R16807** 12 $\frac{1}{4}$ " 1 $\frac{1}{2}$  KW 2.06



### Pyrex Standoff Insulators

These high-grade Insulators are the last word in stand-off type units. Oval base size 3 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ ". Diameter of glass 1 $\frac{1}{4}$ ". Have flash-over value when dry of 21.5 and 56 KV, respectively. Shipping weight 2 lbs. **R16808** 3" high overall.

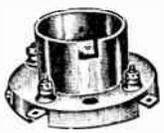
**Your Cost Each** ..... **\$1.54**  
**R16809**—7" high overall. Shipping weight 3 lbs. **Your Cost Each** ..... **\$1.72**

### Rel Transmitter Dial



Suitable for all major controls of the Xmitter. Can be rotated to any position and locked there by simply pressing the handle. Has additional scale space for individual calibrations. Die cast aluminum, cadmium lacquer finish. Shipping weight 3 lbs.  
**N14170**—  
**Your Cost Each** .... **\$4.20**

### 50 Watt Tube Socket



Fits -03A, -11, -45, -72 and all standard 50 watt tubes. Isolantite base. Metal parts nickel plated. Phosphor bronze contact springs. Shipping weight 2 lbs.

**N14053**—  
**Your Cost Each** .... **\$1.62**

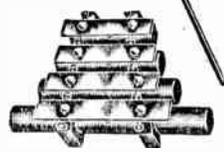
### Bradley Radiostats



Power Rheostats especially designed for radio transmitting apparatus.

Type E2111: Resistance 4 to 150 ohms. Capacity  $\frac{1}{2}$  K. W. Shipping weight 5 lbs.  
**N14128**—  
**Your Cost Each** ..... **\$5.42**  
 Type E210: Resistance 4 to 150 ohms. Capacity 75 watts. Shipping weight 2 lbs.  
**N14129**—  
**Your Cost Each** ..... **\$3.34**  
 Type E210: Radioleak: Variable grid leak. Range, 5000 to 30,000 ohms. Shipping weight 2 lbs.  
**N14130**—  
**Your Cost Each** .... **\$4.17**

### Deagan



### Station Chimes

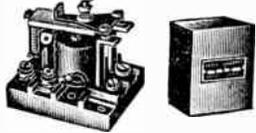
For the amateur phone man and the broadcast station. Adds individual touch to station. Four perfectly pitched notes. Tuned to a perfect chord—impossible to play out of tune. Simulates bugle-calls or clock tower chimes. Complete with hammer, book of 80 calls and musical selections. Shipping weight 6 lbs.  
**N14013**—  
**Your Cost Each** .... **\$4.50**

### Signal Wireless Key



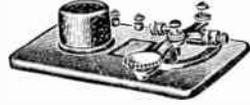
Similar in construction to the ordinary telegraph key except that it has  $\frac{1}{16}$ " coin silver contact points. Polished and lacquered brass metal parts, hard rubber button. Shipping weight 2 lbs.  
**N14005**—List \$2.80  
**Your Cost** ..... **\$1.68**

### Ward Leonard Midget Relays



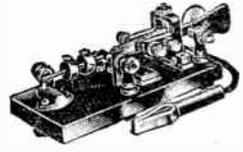
Model 501: For use with mercury-vapor rectifiers. With enclosing cover and adjustable thermal time element to delay the plate potential. For use where a compact relay is desired for automatic or remote control of circuits. Single pole, single throw, single break, normally open, 110 v. 60 cycle. Shpg. wt. 2 lbs.  
**N14131**—  
**Your Cost Each** ... **\$8.82**  
 Model 507: Keying Relay; single pole, single throw, double break. 2 $\frac{1}{2}$  volts D. C.  
**N14133**—  
**Your Cost Each** ... **\$4.12**  
 Model 508: Keying Relay same as above for 6 volts D. C.  
**N14134**—  
**Your Cost Each** ... **\$4.12**

### Code Practice Set



Consists of a key and special high frequency buzzer mounted on a polished wood base. Connect a dry battery to the binding post on the set, press the key and a buzzing sound resembling radio note will be produced. An easy and quick means of learning the code. Base 7x4 $\frac{1}{2}$ ". Shipping weight 2 lbs.  
**N14001**—  
**Your Cost Each** ... **\$1.98**

### New Speed Bug



Improve the speed and legibility of your code transmission with this new improved "bug." Pressure on one side of lever produces a smooth unbroken train of dots; on the other side, the dashes. Adjustable for perfect sending from approximately 8 words to ush as 50 words per minute. Contact points heavy enough to use on most amateur xmitters without relay, although one should be used if current is very high. Shipping weight 6 lbs.  
**N14000**—List \$17.00  
**Your Cost Each** ... **\$9.79**

### Truest Oscillating Quartz Crystals

Truest Crystals are carefully ground from the finest quartz obtainable to precision thickness. **Finished Crystals:** 80 and 160 Meter Bands, approximately one inch square, "X" or "Y" cut, calibrated guaranteed accurate to one-tenth of 1% or better.

**Specify Frequency Desired** when ordering and we will supply nearest stock crystal calibrated.  
**M13456**—  
**Your Cost** ..... **\$3.95**  
 Oscillating Quartz Blanks, 1" square, rounded corners. Practically finished crystals but uncalibrated.  
**M13461**—  
**Your Cost** ..... **\$2.50**  
 Also can supply specialties in Quartz. Write us your requirements.

### Crystal Holder



Made of heavy nickel plated brass and bakelite. Has standard prongs. Ground oxide-coated metal bottom contact and spring brass upper contact. Size 2 $\frac{1}{4}$ " x 1 $\frac{1}{2}$ " x  $\frac{3}{8}$ ".  
**N14038**—  
**Your Cost** ..... **\$2.40**  
**Less Crystal** .....

### Base Receptacle for Crystal Holder

Made of Bakelite. Insulating qualities insure minimum of loss, resulting in maximum efficiency.  
**N14039**—  
**Your Cost** ..... **47¢**

# Transmitting Equipment



REL

## The New Electron Coupled Frequency Meter

REL

The latest development in frequency meter design. Accuracy is 0.025. Changes of battery voltages do not affect calibration. The output is immensely rich in strong harmonics, stability approaches crystal control.

Contains an adjustable tank condenser allowing over-all frequency coverage. Built in an aluminum cast box. Large condenser plate spacing prevents

frequency shifts with temperature changes. A 6" diameter dial engraved in 200 divisions with micrometer indicator allowing dial to be accurately read to one part in 2000. Uses a 36 type tube with 135 volts "B" or a 24 with 180 volts "B."

**N14047**—Un-calibrated. Wired. Shipping weight 13 lbs. **Your Cost.....\$28.50**

**N14048**—Calibrated 1715-2000 K. C. from 5 to 195 on dial. Curve is plotted on cross section paper 16x20" Specify tube to be used. Shipping weight 13 lbs. **Your Cost.....\$36.00**

**N14049**—Kit consisting of case, special Variable Condenser, dial and special coil with complete data. Shipping weight 13 lbs. **Your Cost.....\$22.50**

### R.E.L. 5 Meter Pole Oscillator

Designed for those who desire the ultimate in DX transmission of 5 meters. Equipped with 8 foot aluminum tube which makes an ideal half wave voltage fed radiator. Gives an additional 8 foot height to antenna. Unit is connected to control room by 4 wire cable, tuned to desired frequency and then elevated to permanent operating place. Water-tight case. Consists of two UX tubes in push-pull circuit, frequency control tank condenser, resonating condenser and other component parts. Uses 01A or 45 tubes. Shipping weight 15 lbs.

**N14033**—**Your Cost Less Tubes.....\$31.50**  
**N14034**—4 Wire Weather Proof Cable Per Foot.....**12¢**



### Trutest Filament Transformers

Rugged and well made; guaranteed to deliver their rated voltages and loads without heating.

ing. 110-volt primary. All have 10000-volt insulation except N14078 which has 1000-volt. Maximum shipping weight 7 lbs.

Stock No.	Volts	Secondary Amps.	Your Cost
N14878	2.5	10	\$1.20
N14879	2.5	10	2.90
N14080	7.5	5	3.50
N14081	7½-7½	4-4	4.53
N14082	7½-7½	4-4	5.00
N14083	10	6	4.25
N14084	12	6	4.35
N14085	14	6	4.35

### Trutest Double Chokes

Two chokes each being approximately 20 henrys mounted on same core, rated at 160 M.A. For two section filter. Shipping weight 15 lbs.

**N14031**—**Your Cost Each.....\$6.25**

Same as above rated at 250 M.A. Shipping weight 18 lbs.

**N. J92**—**Your Cost Each.....\$9.25**



### REL R.F. Chokes

Pie wound. R.F. chokes for high

power tubes. Effective 15 to 90 meters. D. C. resistance 12.9 ohms. Shipping weight 1 lb.

**N14050**—**Your Cost Each.....72¢**

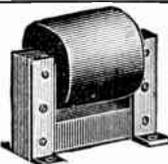
### 500 M.A. Chokes

Single layer winding on bakelite. 15 to 90 meter band. 26 MH D. C. 5.2 ohms. Shipping weight 1 lb.

**N14051**—**Your Cost.....85¢**

90 to 200 meter band. .73 MH D. C. 7.1 ohms. Shipping weight 1 lb.

**N14052**—**Your Cost.....\$1.43**



### Filter Chokes

Big heavy units made to stand hard usage. Accurately rated and fully guaranteed. Maximum

Shipping weight	30 lbs.	Ind. Current	Your Cost
Stock No.	Hys. Mills		
N14086	10	250	\$4.35
N14087	30	160	5.50
N14088	30	250	8.10
N14089	30	350	10.00
N14090	30	500	11.50

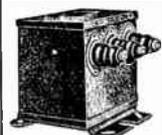
### National Class "B" Audio Transformers

**Type B1**—For coupling two 245 tubes operating in push-pull at normal voltage to two 210s operating as a class "B" audio power amplifier or modulator. **Type B2** designed to couple a class "B" amplifier or modulator employing two 210s to any load between 3000 and 8000 ohms. Taps are provided for operating with the following loads: 3000, 4000, 5000, 6000 and 8000 ohms. Shipping weight 26 lbs.

**N14095**—List Per Pair **\$21.00**  
**Your Cost.....\$12.35**

## Thordarson Transformers

### Filament Heating Transformers



C. T. 10 amps. Sec. 5½x5½x4½". Shipping weight 13 lbs. **\$7.05**  
**A304**—Your Cost.....  
Type 4586. 5 volts C. T. 20 amp. Sec. 6½x6½x6½". Shipping weight 22 lbs. **\$8.80**  
**A305**—Your Cost.....

### Filament Heating Transformers



Type T-2383. 12 volts C. T. at 176 V. A., size 4½x5x6". Shipping weight 15 lbs. **A315**—**Your Cost.....\$5.88**  
Type T-2382. 12 volts C. T. at 80 V. A. Size 3½x4½x4". Shipping weight 7½ lbs. **A316**—**Your Cost.....\$3.50**  
Type 3680. 2½ volts C. T. at 10 amp. Size 3½x3x3¼". Shipping weight 6 lbs. **A317**—**Your Cost.....\$4.41**

### Plate Supply Transformers

**Type 4450**. Delivers out of filter 500 volts at 150 M.A. Size 6½x5½x6½". Shipping weight 24 lbs. **A306**—**Your Cost.....\$11.76**  
Type 4455. Delivers out of filter 2000 volts at 250 M. A. Size 7½x9x7½" Shipping weight 52 lbs. **A307**—**Your Cost.....\$20.60**  
Type 4460. Delivers out of filter 2000 volts of 750 M. A. Size 10x12x10" Shipping weight 126 lbs. **A308**—**Your Cost.....\$49.95**  
Type 2387-A. 1000-0-1000 volts and 1500-0-1500 volts. Capacity 300 V. A. Size 7½x5½x7½". Shipping weight 23 lbs. **A309**—**Your Cost.....\$11.15**  
Type T-2388-A. 1500-0-1500 volts and 2000-0-2000 volts. Capacity 500 V. A. Size 7½x6½x8½". Shipping weight 30 lbs. **A310**—**Your Cost.....\$14.70**

## Webster Class "B" Transformers



Properly engineered transformers for class "B" modulation using 210 tubes. (See Dec. issue QST.) Type A1-910 Input Transformer, and Type AM-811 Modulation Transformer (for 2). Shipping weight 25 lbs.

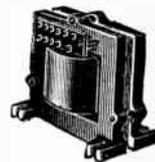
**N14096**—**Your Cost Per Pair.....\$8.50**

Webster Class "B" Transformers designed for use with push-pull 250 tubes as the exciting amplifier for a pair of UV 203As. Shipping weight 30 lbs.

**N14097**—**Your Cost Per Pair.....\$14.75**

### Trutest

1500, 2000 and 3000 volt, C.T. 200 M.A. 600 Watts



Electrostatic shield grounded to cover. Has seven terminals delivering above voltages.

A rugged and carefully made Transformer, guaranteed to deliver its rated voltages and current without heating. 115-volt Primary. Size 4½x7½x5½" high. Shipping weight 40 lbs.

**N14076**—**Your Cost Each.....\$11.50**

### 2000, 3000 and 4000 Volt Transformer

Identical in appearance with the above unit. Rated at 1200 watts. Delivers 300 M.A. at above voltages. Shipping weight 55 lbs.

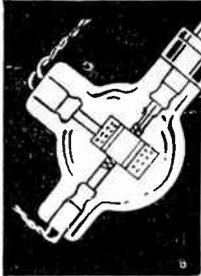
**N14077**—**Your Cost Each.....\$16.50**

### Filter Reactors

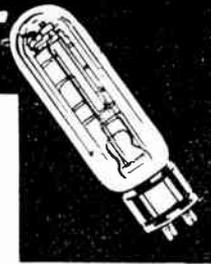
Type 4451. 25 henries. 250 M.A. 6½x4½x4½". Shipping weight 20 lbs. **A312**—**Your Cost.....\$5.85**  
Type 4456. 25 henries. 250 M. A. Size 5½x5½x8½". Shipping weight 30 lbs. **A313**—**Your Cost.....\$8.80**  
Type 4461. 25 henries, 750 M. A. Size 12x8x8". Shipping weight 58 lbs. **A314**—**Your Cost.....\$29.40**

### Unshielded Reactors

Type T-2353. 6 henries at 150 M. A. 3000 volt insulation. Size 3x3½x3½". Shipping weight 5½ lbs. **A319**—**Your Cost.....\$2.94**  
Type T-2071. 30 henries, 150 M. A. 3000 volt insulation. Size 2¾x3¾x6". Shipping weight 7 lbs. **A320**—**Your Cost.....\$5.88**  
Type 2027. 30 henries, 300 M. A. 3000 volt insulation. Size 5x3¾x8". Shipping weight 17 lbs. **A321**—**Your Cost.....\$7.94**



# TRANSMITTING TUBES



These four lines of Transmitting Tubes, namely Lafayette, RCA, Duovac and DeForest were chosen as representative of the best in this particular type of tube. Uniformity of quality, thorough seasoning and stabilizing of characteristics, as well as extra high vacuum insuring long life and perfect performance, is guaranteed you when you purchase any of these tubes. Every tube

received is carefully checked and tested in the most modern apparatus before their delivery or shipment to you. You are assured of FRESH tubes at all times, as production of this type is rigidly geared to actual demand, and particularly so as we enjoy the largest tube business in the country, which alone would assure you of receiving fresh and perfect tubes.

## LAFAYETTE

Type	Description	Cost
210	15-Watt Oscillator and Power Amplifier	\$ 5.88
866	Mercury Vapor Half-wave Rectifier	3.65
872	Hot Cathode, Half-wave Mercury Vapor Rectifier	12.15
242	50-Watt Oscillator Power Amplifier and Modulator	12.15
845	50-Watt Linear Power Amplifier and Modulator	12.15
203A	50-Watt Oscillator R.F. Amplifier and Class "B" Modulator	12.15
852	75-Watt Oscillator and Power Amplifier	18.25
Crater	Neon Type Tube for Scanning Discs	8.10
860	Screen Grid 75-Watt Radio Frequency Amplifier	30.35
849	350-Watt Oscillator, Modulator or Power Amplifier	129.60
865	Screen Grid Radio Frequency Amplifier	12.50
204A	250-Watt Radio Frequency Oscillator and Amplifier	78.98

## DUOVAC

Type	Description	Cost
210	15-Watt Oscillator and Power Amplifier	\$ 7.25
866	Half-wave Mercury Vapor Rectifier	4.58
872	Hot Cathode, Half-wave Mercury Vapor Rectifier	15.00
242	50-Watt Oscillator Power Amplifier and Modulator	15.00
845	50-Watt Linear Power Amplifier and Modulator	15.00
203A	50-Watt Oscillator R.F. Amplifier and Class "B" Modulator	15.00
852	75-Watt Oscillator and Power Amplifier	22.50
Crater	Neon Type Tube for Scanning Discs	10.00
860	Screen Grid 75-Watt Radio Frequency Amplifier	37.50
849	350-Watt Oscillator Modulator and Power Amplifier	160.00
865	Screen Grid Radio Frequency Amplifier	15.00
204A	250-Watt Radio Frequency Oscillator and Amplifier	97.50

## RCA

Type	Description	Cost
852	75-Watt Oscillator and Power Amplifier	\$23.80
210	7½-Watt Oscillator and Amplifier	4.12
841	Oscillator, Modulator and Power Amplifier	7.80
865	Screen Grid R.F. Power Amplifier	12.75
866	Mercury Vapor Half-wave Rectifier	5.74

## de Forest

Type	Description	Cost
510	15-Watt Oscillator and Amplifier	\$ 4.20
565	7½-Watt Screen Grid R.F. Amplifier	15.00
503A	Standard Amateur 50 "Watter" Modulator	15.00
545	50-Watt Power Amplifier and Modulator	15.00
552	75-Watt Oscillator and Power Amplifier	23.00
511	General Purpose Medium Power Tube	\$15.00
560	75-Watt Screen Grid R.F. Power Amplifier	35.00
504A	Standard 250 "Watter" Modulator and Amplifier	97.50
566	Half-wave Hot Cathode Mercury Vapor Amplifier	4.00
572	Half-wave Hot Cathode Mercury Vapor Amplifier	16.50

## Characteristics of Transmitting Tubes

### Transmitting Tubes

**Type '10—7½-Watt Oscillator.** Adaptable as an Oscillator, R. F. Amplifier, A. F. Amplifier and Frequency Doubler. High voltage breakdown. Ideal for Crystal control Oscillators. Filament voltage 7.5; amps 1.25. Plate voltage 350 volts. Current 40 M. A.

**Type '65—7½-Watt Screen Grid R. F. Amplifier.** Useful as "buffer" amplifier in telephone transmitters. Especially used for frequencies above 3000 kc. Also useful as a crystal controlled Oscillator. Fil. vol. 7.5; amp. 2. Plate voltage 450.

**Type '41—High-mu Voltage Amplifier,** designed primarily for use in resistance coupled circuits. Useful as a radio frequency amplifier. (Class B 450 max.) (Class C 350-450 max.)

**Type '03-A—Standard 50-Watt Oscillator, R. F. Amplifier and Class B Modulator.** Developed for general use in Amateur transmitters, or where high voltage gain is desired. Fil. volts 10; 3.25 amps. Plate 1250 volts; 125 M. A.

**Type '45—50-Watt Linear Power Amplifier and Modulator.** Not recommended for use in R. F. circuits. Primarily an A. F. tube. As modulator, fil. volts 10; 3.25 amps. Plate 1250 volts; 75 M. A. Used as output tube in an audio system.

**Type '52—Standard 75-Watt Oscillator and Power Amplifier.** Plate lead is brought out thru the side; grid lead from the top. Ideal for 14 megacycle operation. Fil. 10 volts at 3.25 amps. Plate 2000, maximum 3000, volts. Maximum dissipation 100 watts.

**Type '11, also '42—General Purpose Medium Power Tube** as it

functions well as an Oscillator, Modulator, Radio or Audio Frequency Amplifier. Filament 10 volts at 3.25 amps. Plate voltage 1250; 125 M. A. maximum.

**Type '60—Medium Screen Grid Tube,** designed primarily for use as a Radio Frequency Power Amplifier, particularly at frequencies in excess of 3000 kc. This 75-watt tube has a filament voltage of 10 at 3.25 amps. Plate mod. 2000, un-mod. 3000 volts.

**Type '04A—Standard 250 "Watter."** An Oscillator and R. F. Power Amplifier; can also be used as a Modulator. Negative Grid Bias, Class B, 100 volts; Class C, 175 volts. Filament 11 volts at 3.85 amps. Plate 2000 volts; 200 M. A.

**Type '49—350 Watts.** Oscillator, Modulator or Amplifier. Especially as a Modulator or Speech Amplifier. Filament of 11 volts at 5

amps. Plate 2500 mod., 3000 non-mod. voltage. Normal negative grid bias 87 volts.

**Type '66—Hot Cathode Half-wave Mercury Vapor Rectifier** to provide an ideal D. C. Power from an A. C. supply for transmitting and kindred work. Maximum inverse peak voltage to be applied to anode is 7500 volts. Fil. 2.5 volts at 5 amps.

**Type '72—Half-wave Hot Cathode Mercury Vapor Rectifier.** (Greater current carrying capacity than the '66 tube. Has same qualities and merit. Takes 5 volts at 10 amps. Maximum peak plate current 2.5 amperes.

**Crater—Crater Neon Type Tube** is used in the reproduction of Television pictures with lens type scanning discs. Produces intense light source. Striking voltage 180; Maximum current 40 M. A. approx. Crater light source .030.



For Years  
Regarded Among  
the Finest

CeCo Tubes gained prominence chiefly for their long life and smooth performance, for while there were countless makes of tubes available on the market, the best tubes were good only if they performed satisfactorily. In our experience we have found that CeCo Tubes were uniformly good, hence their immense popularity. Among the many reasons that CeCo Tubes had for years been regarded as among the finest made, was that only the highest grade of materials obtainable was used in their manufacture. This in conjunction with the most modern equipment and expert workmanship under direct supervision, all contributed to uniformity of quality so essential to insuring long life and smooth performance. Guaranteed for six months (burn out or breakage excepted).

### CECO TUBES

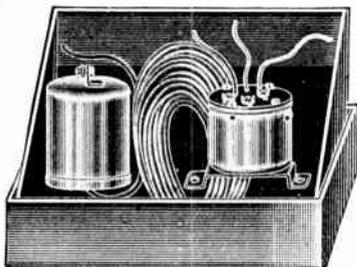
Type	List	Cost
00A	\$4.00	\$1.96
01A	.80	.40
10	5.00	2.45
12A	1.30	.64
24	1.40	.69
26	.85	.42
27	1.05	.51
30	1.30	.64
31	1.30	.64
32	1.90	.93
33	2.10	1.03
34	2.15	1.06
35	1.50	.73
36	1.80	.88
37	1.40	.69
38	1.60	.78
39	1.80	.88
40	2.00	.98
41	1.60	.78
42	1.60	.78

### CECO TUBES

Type	List	Cost
43	2.50	1.22
45	1.15	.56
48	1.55	.76
47	1.50	.73
50	4.00	1.96
55	1.60	.81
56	1.20	.59
57	1.65	.81
58	1.65	.81
59	2.00	.98
71A	.95	.47
80	.90	.45
81	3.50	1.72
82	1.20	.59
83	1.55	.76
85	1.60	.78
V-99	2.25	1.11
X-99	1.50	.73
864	2.10	1.03
866	6.75	3.31

# Noise Suppressors and Filterers

## Truest Noise Suppressor



This truest noise suppressor kit consists of one antenna noise suppressor unit; one receiver noise suppressor unit with a special shielded transmission line. As its name implies it is for the elimination of all noises, crashes and other forms of man-made interference. The kit can be installed in a few minutes. Receiver unit is tapped; use tap giving loudest signal. Shipping weight 10 lbs.

L12607—**Your Cost Complete Kit..... \$2.50**

## Akaformer Noise Reducer Kit



This system consists of the use of specially designed transformers for the elimination of all forms of "man-made" static, noises etc., due to local disturbances; these are generally picked up by the aerial and ground, and transmitted to the radio receiver along with the original signal intercepted. A special feature of this system is that it is possible to connect from one to four receivers using the single antenna. The kit contains two transformers; one for antenna, and one for the receiver, also shielded cable enclosing tinned stranded copper lead-in. For installations of more than one radio receiver, a separate receiver transformer is required for each radio set up to four. These transformers are of light materials and add no appreciable weight to the antenna. Can be installed in a few minutes. Shipping weight 8 lbs.

L12628—**Your Cost Complete Kit..... \$2.94**

L12629—Additional Receiver Transformer **Your Cost Each \$1.32**

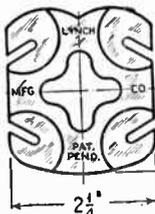
## Lynch "No-Stat" "All-Wave" Antenna System

Consists of a pair of impedance matching transformers which allows the use of a shielded transmission line of any length without loss of signal strength; this line preserves the purity of the original signal intercepted by the high antenna, and at the same time eliminates almost all of the cracks, crashes and other noises commonly classed as "man-made" static. Has short wave tap, for reception down to about 20 meters. Eliminates soldered connections by positive permanent low-loss ones. Receiver impedance matching transformer is used up to 4 sets; the Polycoupler on installations above that number. Kit consists of: 1 antenna impedance matching transformer; 1 receiver impedance matching transformer; 50 ft. shielded transmission cable. Shipping weight 10 lbs.

R17111—List Complete Kit \$5.00 **Your Cost..... \$2.94**

## Lynch Noise Reducing Antenna Products

### Lynch Transposition Blocks



The mechanical design of the blocks reduces the electrical losses to an absolute minimum, and offsets the ravages of weather and moisture, in order to secure the greatest possible signal strength. Results are most satisfactory on both regular broadcast as well as on short wave wave-lengths. Shipping weight 1 lb.

R17110—List \$2.50—**Your Cost for Kit of 10..... \$1.47**

### Lynch "All-Wave" Antenna Coupler

This Antenna Coupler enables securing the best possible results from the various noise-reducing antenna systems, without regard to the wave length on which reception is desired. Shipping weight 1 lb.

R17106—List \$1.50—**Your Cost Each \$88c**

### Lynch "U.S.N. Standard" Antenna Insulators

These Insulators are especially designed to eliminate the loss of radio frequency energy due to leaky, faulty and defective insulators. They are an absolute necessity for the D. X. fan, and will improve reception and volume from weak and distant stations. Shipping weight 3 lbs.

R17107—List, Complete Kit of 8, \$3.00 **Your Cost Per Kit of 8..... \$1.76**

### Lynch Polycoupler



Used where multiple receiver installations are made to the same antenna system; each receiver requiring one of these units. This unit replaces the receiver impedance matching transformer on installations above 4 receivers. Full instructions and diagram enclosed. Shipping weight 2 lbs.

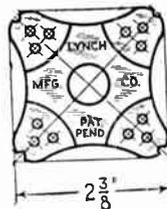
R17112—List \$5.50 **Your Cost..... \$3.24**

### Lynch Doublet Coupler

For use with all types of Receivers in which the "All Wave" Coupler cannot be employed because of shielding, lack of space, or any other reason. Shipping weight 2 lbs.

R17113—List \$1.00—**Your Cost..... \$9c**

### Cage-Aerial Spreaders



These Aerial Spreaders are used when the cage type of aerial is to be used to take advantage of its great pick-up qualities, and its freedom from directional effect. These Spreaders may also be used in amateur transmitting systems. Shipping weight 5 lbs.

R17108—List, Complete kit of 10, \$2.50 **Your Cost Kit of 10..... \$1.47**



## Filterizer Kits

The new improved filterizer—for keeping man-made static out of the receiver—utilizes the simple principle that most radio noise is carried on building wiring, picked up on the lead in from the aerial, and will not reach the set if it is kept off the lead-in and aerial. The filterizer keeps radio noise out of the receiver by providing an aerial outside the field of radio noise and carrying broadcast signals to the receiver through a filtered lead in system. Loss of signal which has been an objection to the use of old style shielded lead in systems is obviated in the filterizer by the use of two specially designed filterizers, the RF-1 at the aerial and the RF-4 at the set. No tools required to install. Shipping weight 10 lbs.



L12603—**Your Cost for This Kit..... \$2.73**

## Tobe Special Filterizer

A special filterizer to replace the kit described above, when heavy line noises predominate in the interference received with the program on your radio receiver. No matter what make of radio you have—no matter where you live the filterizer will give you relief from radio noises. Easily installed—requires no attention. Shipping weight 10 lbs.

L12604—**Your Cost Complete Kit..... \$5.73**

## Battery Cables



Five ft. cables complete with terminals

Q16085—7 Conductor. **Your Cost Each..... 40c**  
Q16086—8 Conductor. **Your Cost Each..... 45c**  
Q16087—9 Conductor. **Your Cost Each..... 50c**  
Q16088—10 Conductor. **Your Cost Each..... 55c**

## Battery Cables by the Foot

A high grade, well insulated cable. Each lead a different color for easy identification.

Stock No.	No. Wires	Per Ft.	Per 100 Ft.
Q16089	3	3c	\$2.50
Q16090	4	3½c	3.00
Q16091	5	4c	3.50
Q16092	6	4½c	3.95
Q16093	7	5½c	4.55
Q16094	8	6½c	5.15
Q16095	9	7c	5.80
Q16096	10	8c	6.35

## Kolster 15 Conductor, 50 Ft. Stranded Cable

50 ft. stranded, 15 conductor, shielded cable. Each conductor 7 strand, flexible rubber braid covered. Tinned ends. Two conductors used for pickup or microphone completely shielded with flexible braid copper, which in turn is cotton braid covered and brought out to lead for grounding. Color coded leads. Ideal for Public Address and Power Amplifier systems. Shipping weight 10 lbs.



Q16097—**Your Cost Special..... \$1.95**

**We Will Not Knowingly Be Undersold**

# — ANTENNAS —



## "DX" Roof-Porch-Attic Aerial

Length 5 ft. Has 10 ft. of rubber covered lead-in soldered to aerial. Ideal for Super-heterodyne and new "high-gain" sets. Used by many dealers as regular equipment because of low cost, easy installation and high efficiency. Full assembled, ready to "string up." Shipping weight 3 lbs.

**R17124—Your Cost..... 75¢**

## GIANT DX ROOF AERIAL "SUPER POWER ON DISTANCE"



Super power on distance. Ready to string up. 25 ft. soldered lead-in. Very powerful without loss of selectivity. 10 ft. cage with 150 ft. 7-strand copper wire. Shipping weight 5 lbs.

**R17128—Your Cost..... \$1.95**

Same as above except with 50 ft. 7-strand wire. Length 10 ft. Shipping weight 4 lbs.

**R17123—Your Cost..... \$1.05**



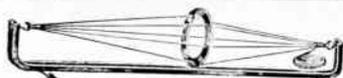
## "DX" Aerials for T.R.F. Sets

Guaranteed greater volume and sharper tuning; non-directional. Fully assembled cages, ready to string up. No 200 for short roofs. 5 heavy zinc spacer rings. Length 20 ft. Contains 100 ft. enameled copper wire, 25 ft. rubber covered lead-in, soldered to aerial. Shipping weight 5 lbs.

**R17122—Your Cost..... \$1.45**

## Inside or Outside "DX" Aerial

A powerful aerial for all midget sets. Made of solid copper metal, fastens by means of hooks and is not visible from inside. May also be used inside in window frame back of curtain. Most midget sets and all TRF sets work better with a powerful outside aerial; this installation



## "DX" Window Sill Aerial

For use on outside window sill, under couch or in closet. Absolutely non-directional. Especially for use with Superheterodynes. Has 10 ft. rubber covered lead-in soldered to aerial. Length 31", height 6". Shipping weight 6 lbs.

**R17129—Your Cost Each..... 95¢**

## Window "DX" Aerial

This is a five wire cage Aerial similar to the above, with the exception that it has two 16 inch brackets of heavy iron to support the cage vertically outside of the window. Is especially designed for Superheterodynes, which require an aerial of large capacity in a small area. It is common knowledge that a long aerial picks up considerable interference, while a short single wire antenna tunes in the noise level; this DX Aerial tunes sharp and clear. Is weather-proofed, and has soldered lead-in. This is a unit of the highest attainable efficiency and is particularly adaptable for use on all of the new high-gain sets. Is non-directional. Shipping weight 5 lbs. Length 5 feet. Complete with brackets and wood screws.

**R17126—Your Cost..... 98¢**

No. 30—Produces great volume; ideal for all sets. 5 spacer rings; length 30 ft. Contains 150 ft. enameled copper wire and has 25 ft. rubber-covered lead-in. Shipping weight 6 lbs.

**R17121—Your Cost..... \$1.80**

No. 60—An exceptionally powerful aerial. 8 spacer rings; length 50 ft. Contains 250 ft. wire, 25 ft. rubber-covered lead-in. Shipping weight 8 lbs.

**R17120—Your Cost Each..... \$2.25**

gets away from interfering with neighbors' antenna. Complete with hooks and soldered lead-in. Stretches to fit any window. 50 ft. of material. Shipping weight 3 lbs.

**R17127—Your Cost Each..... 98¢**

## Sta-Put Aerial

A layer of heavy tin foil deposited on a specially treated adhesive fabric that sticks instantly wherever it is applied. The tin foil is highly conductive to radio waves and provides the antenna system of unusual efficiency. Ideal for use along mouldings, baseboards or on an auto top. 65 ft. in the roll. Shipping weight 1/2 lb.

**R16164—Your Cost Each..... 54¢**

## "American" All-Directional Antenna

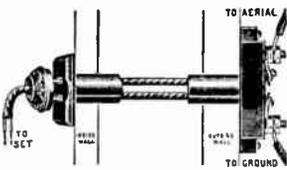
Recommended for short wave and general radio reception. Positively non-directional. Pure copper drum, 14" in diameter with collar for mounting on wooden pole or pipe. Has a clip for attaching lead-in. Shipping weight 6 lbs. List \$4.00.

**R17119—Your Cost Each..... 95¢**

## 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 connecting ground wire.

**R17105—Net Each..... 4¢**  
12 for..... \$0.42  
100 for..... 3.25



## Super-Thru-Lead-In

Combined Radio Outlet and Aerial

**Ground. Fitting with Lightning Arrester.** Approved by The Underwriters Laboratories. Genuine moulded Bakelite.

**R17097—List \$1.25  
Your Cost..... 75¢**

## Insulated Staples

For holding inside lead-in and ground wires in place. Never be without them.

**R15950—Per Box of 100..... 10¢**

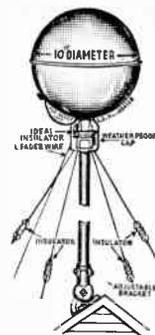
## Ground Clamp

Standard type. Sharp teeth bites through rust or paint on pipe. Insures good connection. For pipes up to 3/4".

**R17103—Your Cost Each..... 9¢**  
12 for..... \$1.00

For 1 1/4" Pipe  
Same as above except for larger size pipe.

**R17104—Your Cost Each..... 15¢**  
12 for..... \$1.75



## Ideal Ball Aerial

No set is better than its aerial and no other aerial matches the Ideal Ball Aerial in satisfactory results. Less static, greatly increased selectivity and guaranteed protection against corrosion and oxidation are but a few of its features. Absolutely non-directional, the ball is of pure aluminum and highly polished.

**R17075—List \$5.50**

**Your Cost..... \$3.24**  
Junior Ball Aerial has same characteristics except that ball has 8" diameter.

**R17076—List \$3.00  
Your Cost.....**

The installation kit consists of: 25 ft. lead-in wire; 1-8 ft. collapsible mast; 1 universal mast base; 50 ft. copper Guy wire; 4 porcelain insulators; 1 window lead-in and 1 ground clamp.

**R17077—List \$3.50  
Your Cost..... \$2.10**

## 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. Shipping weight 8 oz.

**R16167—Your Cost Each..... 15¢**  
Per Dozen..... \$1.50



## Insultenna

Replaces outdoor antennas. Not connected to the light sockets. Handsomely finished bakelite case. Size 5x5 1/2 x 1 1/2. Contains a number of feet of new type filtered aerial wire with condenser which gives capacity of 75 ft. antenna. Mounts anywhere. Shipping weight 1 lb.

**R16166—List \$2.50  
Your Cost..... \$1.35**



## Ribbon Aerial

Consists of a gold colored metallic braid woven into a strip of fabric about 3/8" wide. A neat and efficient aerial for stringing above moulding or baseboard. Held in place by thumb tacks. 65 ft. to roll. Shipping weight 8 oz.

**R16163—Your Cost Each..... 29¢**

## Ground Rods

New design with clip which makes positive and permanent connection. Heavy steel yoke for driving head. 3/8" drawn steel, cadmium plated. Shipping weight 2 lbs.

**R17187—4 Ft. Length  
Each..... 25¢**  
Per Dozen..... \$2.65

**R17188—6 Ft. Length  
Your Cost Each..... 40¢**  
Per Dozen..... \$4.50

## Pipe Strips

A strip of pure copper with holes at short intervals so that clamp is adjustable to fit any size pipe up to 2" in diameter. Has spring clip for attaching ground wire.

**R17102—Net Each..... 3¢**  
10 for..... \$0.25  
50 for..... \$1.10

# AERIAL KITS & ACCESSORIES

## Tubular Steel Masts

Made of welded steel tubing with black baked-on enamel finish. Guy wire disc at top.

**MADE IN FOUR SIZES**  
**R17139**—Single Section. 3 ft. Shipping weight 2½ lbs.

**Your Cost Each . . . 49¢**  
**R17142**—Double Section. 6 ft. 7 in. Shipping weight 4 lbs.

**Your Cost Each . . . 98¢**  
**R17143**—Triple Section. 9 ft. 4 in. Shipping weight 6½ lbs. **Your Cost Each . . . \$1.47**

**R17144**—Quadruple Section. 12 ft. 9 in. Shipping weight 8½ lbs. **Your Cost Each . . . \$2.25**

COLLAPSED

## A Special Value



**only 6¢ each**

Dealers especially will appreciate this item. A thoroughly reliable protector that can be retained at a low figure without sacrificing their margin of profit. Porcelain body. Shipping weight per doz. 3½ lbs. **R16753—Your Cost, 6¢ Each. 100 for \$4.90**

## Wirt Lightning Arrester



The lightning arrester that fulfills its promise. Petticoat insulation, a most important feature, is found only in Wirt Arresters. The terminals are extra heavy and a bracket is provided for rigid fastening. Comes complete with brass mounting screws. Simple to install and positive in action. **R16737—Your Cost Each 45¢**

## New Premax Mast

A new, simple one-piece mast that will fill a big demand. Easy to use, practical in design, durable and low in price. ¾" solid steel rod with a Parkerized rust-proof finish. Adjustable base fits flat or sloping roofs. 3½ ft. high. Complete with guy wire. No additional insulators needed. Shipping weight 2½ lbs. **R17138 Your Cost Each . . . 35¢**



## Belden Arrester



A thoroughly reliable protector designed for either outdoor or indoor use. Listed as standard by the National Board of Underwriters. Bakelite case. Resistor type. Each furnished with \$100.00 guarantee. List Price 25¢ **R16750—Your Cost . . . 15¢**

## Belden Giant Arrester



An oversize porcelain arrester built big to withstand the severest lightning charge. The reliable resistor type. A quality protector at a ridiculously low price. Size 1½x2-x4¼". Shipping weight 8 oz. **R16751—List Price 85¢ Our Special Price . . . 15¢**  
 Lots of 10, 14c    Lots of 25, 13c

## Lafayette DeLuxe Aerial Kit



No finer aerial kit on the market than this one. Has shielded lead-in wire that is very effective in reducing interference caused by high tension wires. By grounding the shielding disturbing impulses are carried to the ground. Also has tinned copper antenna wire that will not corrode. Shipping weight 4 lbs. Kit consists of the following: 75 ft. 7-24 Tinned Copper Aerial Wire, 50 ft. 16 Str. Shielded Lead-in Wire, 25 ft. Rubber Covered Ground Wire, 1 Lightning Arrester, 2 Porc. Insulators, 1 Ground Clamp, 1 Lead-in Strip, 2 Insulated Screw-eyes, 2 Nail Knobs, 5 Insulated Staples. **Q16475—List \$2.55 Your Cost . . . \$1.45**

## Lafayette Aerial Kit

Everything necessary for an efficient aerial installation. All items are of the very best quality. Ideal for the dealer furnishing a standard antenna kit with radio set sales. Shipping weight 4 lbs. Contains the following: 100 ft. 7-24 Copper Wire, 50 ft. No. 17 Rubber Covered Lead-in Wire, 25 ft. Rubber covered Ground Wire, 1 Approved Arrester, 1 Copper Ground Clamp, 1 Lead-in Strip, 2 Porcelain Insulators, 2 Nail Knobs. **Q16476—List \$1.25. Your Cost . . . 65¢**



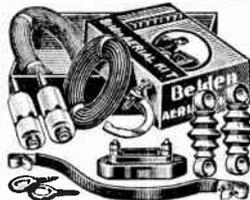
## Standard Aerial Kit

A low price kit containing all essentials for a dependable and efficient aerial system. A very good dealer item. Shipping weight 2 lbs. Contains: 90 ft. 7/25 Copper Wire, 50 ft. Lead-in, 10 ft. Ground Wire, 2 Porcelain Insulators, 1 Copper Ground Clamp, 1 Lead-in Strip, 2 Nail Knobs. **Q16477—List 90¢ Your Cost . . . 45¢**

## Economy Aerial Kit

Especially designed for Midget Sets. The lowest price kit on the market made up of first quality merchandise. Shipping weight 2 lbs. Contains: 100 ft. 7/27 Copper Wire, 25 ft. Rubber Covered Lead-in, 1 Lead-in Strip, 1 Ground Clamp, 2 Nail Knobs, 2 Porcelain Insulators. **Q16478—List 75¢ Your Cost . . . 38¢**

## Belden Aerial Kit R. M. A. Standard



Nationally advertised; nationally known for quality. The most popular number in a very popular line of aerial kits. Shipping weight 4 lbs. Contains: 100 ft. 7x22" Beldenaer, 25 ft. Belden Flexible Colorubber, 50 ft. 7x22" All-Rubber-Lead-in Wire, 1 Belden Arrester, 1-15" Belden Lead-in Strip, 1 Belden Ground Clamp, 2-3" Belden Glass Insulators, 3 Nail-on Knobs, 2 Galvanized Screw Eyes, 2 Wood Screws, 6 Insulated Staples, 1 Instruction Sheet. **R16479—List \$3.00. Your Cost . . . \$1.75**

## Belden Aerial Kit

Similar to above but contains: 7x22 Bare Copper Aerial, 35 ft. All-Rubber Lead-in Wire, 1 Belden Arrester, 1 12-inch Belden Lead-in Strip, 1 Belden Ground Clamp, 2 3-inch Glass Insulators, 2 Nail-on Knobs, 2 Galvanized Screw Eyes, 1 Instruction Sheet. **R16480—List \$1.75. Your Cost . . . \$1.00**

## Lead-in Strips

Copper Core with waterproof lacquered webbing. Length 12". Has new screw type terminals. **R17100 Your Cost Each . . . 6¢**  
 100 for \$4.50  
 As above with Fahnestock terminals. **R17101 Your Cost Each . . . 4¢**  
 100 for \$2.90

## Belden Lead-in Strips

Tough Colorubber insulation over thin, flat strip. Waterproof. Bends easily under window without breaking. Clips riveted and soldered at both ends. 12" long. **R17099—Your Cost . . . 6¢**

## Stand-Off Insulators

Made of porcelain; extra heavy to stand great strain. Length 4 ins. **R16800 Net Each . . . 9¢**  
 Lots of 10, 80c



## Wall Insulator



For supporting wiring on instruments or may be used for supporting lead-in or ground wires. Glazed porcelain 2½ ins. high. Shipping weight 8 oz. **R16735—50 for \$3.75 Your Cost Each . . . 8¢**

## Screw-in Stand-Off

Strong porcelain insulator with wood screw base. Ht. 2½ ins. Shipping weight 8 oz. **R16801—Your Cost Each . . . 10¢**  
 \$4.50 per 50



## Baby Insulator



For suspending wires inside the house. Soft rubber insulator. Screw 1½ ins. overall. **R16973—Per Box of 10 . . . 18¢**

## Brown Porcelain

Strain insulator made of heavy porcelain. 2½ in. long, ½ in. hole. **R16802—Your Cost Each 2¢**  
 \$1.80 per 100



## Wirt Insulator

Galvanized extension about 6 in. long. Porcelain insulator. Shipping weight 8 oz. **R16736—Your Cost Each . . . 21¢**



## Glass Insulators

Special tempered glass, unaffected by heat or cold or other climatic conditions. Best quality. 3 in. long. **R16850—Your Cost Each . . . 3 1/2¢**  
 Lots of 100, Each 3c  
**R16851—Length 4 in. Your Cost Each . . . 5¢**  
 Lots of 100, Each 4 1/2c



## Porcelain Insulators

Porcelain Insulators of the better quality. Heavy and strong. 3¾ in. long. ½ in. hole. **R16803—Your Cost Each . . . 4¢**  
 Per 100, \$3.25



## Nail-it Knobs

Heavy white porcelain nail knob. Height 1¾". Diameter 1½". **R16977—Your Cost Each . . . 1 1/2¢**  
 50 for 60c  
 100 for \$1.00

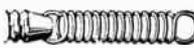


## Screw Eyes

Length 2 ins. Shipping weight per box, 1 lb. **R16985—Your Cost 1¢ Each . . . 100 for 90c**



## Antenna Spring



Takes up slack in aerial. Spring only. **R16980—Your Cost Each . . . 7¢**

**We Will Not Knowingly Be Undersold**

# WIRE AT



## Antenna Wire

We Guarantee our wire to be First Quality, Full Length and Standard Gauge as specified. It has been called to our attention that some houses are cutting short lengths and selling under-size wire in order to quote a low price. Our prices are the very lowest, consistent with standard size, length and quality.

## Bare Copper Wire

7/27 STRANDED  
Shipping weight, 100 ft., 1/2 lb.

Q16112—100 ft. coils.  
Single Lots of  
Lots Each 25 Each 50 Each  
13c 12 1/2c 12c

7/26 STRANDED  
Q16113—100 ft. coils.  
Single Lots of  
Lots Each 25 Each 50 Each  
16c 15c 14 1/2c

7/24 STRANDED  
Q16114—100 ft. coils.  
Single Lots of  
Lots Each 25 Each 50 Each  
18c 16 1/2c 16c

7/22 STRANDED  
Q16115—100 ft. coils.  
Single Lots of  
Lots Each 25 Each 50 Each  
24c 22 1/2c 22c

## Solid Shielded Wire



2-Conductor, No. 19 solid enamel copper wire, heavy waxed cotton braid, copper braided shield, over-all cotton braid. Ideal for permanent public address systems and for panel hook-up work.  
Y20351— 1 Ft. 100 Ft.  
Your Cost ..... 6c \$5.50  
3-Conductor  
Y20850 1 Ft. 100 Ft.  
Your Cost ..... 10c 9.50

## Belden Automobile Radio Wire



This wire is especially designed for automobile and airplane radio installations. Makes an excellent shielded lead-in wire, also ground, where considerable interference, noise and local pick-up is experienced. A job using this wire means a job free from any wire trouble as is experienced in using an inferior grade of wire and one not expressly designed for this type of work. No. 12 (65 strands of No. 30 Tinned) Cambrie wrapped with heavy tinned shielding, for "A" battery or "A" eliminator needs. Shipping weight per 100 ft. 3 lbs.  
Q16223—  
Your Cost for 10 Ft. .... 48c  
100 ft. .... \$3.90  
No. 18 (16 strands of No. 30 Tinned). Same as above. For "B" battery, speaker and other leads, antenna and accessories. Shipping weight 100 ft. 4 lbs.  
Q16224—  
Your Cost for 10 Ft. .... 30c  
100 ft. .... \$2.52

FOR MICROPHONE CABLE  
SEE PAGE 75

## Enamelled Copper Wire

The very best grade enamel; will not chip or crack. Guaranteed full measure and size.

7/24 STRANDED  
Q16116—100 ft. coils  
Single Lots of  
Lots Each 10 Each 25 Each  
26c 23 1/2c 23c

7/22 STRANDED  
Q16117—100 ft. coils.  
Single Lots of  
Lots Each 10 Each 25 Each  
34c 32c 31c

No. 14 SOLID  
Q16118—100 ft. coils.  
Single Lots of  
Lots Each 10 Each 25 Each  
29c 27c 26c

No. 12 SOLID  
Q16119—100 ft. coils.  
Single Lots of  
Lots Each 10 Each 25 Each  
45c 42c 40c

## Belden Aerial Wire



Belden aerial wire has long been known as the finest wire available for permanent antenna installations. This wire, of the finest grade copper, is very heavily enameled with a permanent compound, and will stand up indefinitely under heavy strain, and the severest weather conditions. Each coil is attractively boxed, and the 1000 ft. length is wound on a heavy steel spool. Shipping weight per 100 ft. 4 lbs.  
Q16229—7x22" Beldenamel.  
75 ft. Your Cost ..... \$0.38  
100 ft. Your Cost ..... .47  
150 ft. Your Cost ..... .71  
1000 ft. Your Cost ..... 4.40

Q16230—No. 12 Beldenamel, solid.  
100 ft. Your Cost ..... \$0.59  
1000 ft. Your Cost ..... 5.30  
Q16231—No. 14 Beldenamel, solid.  
100 ft. Your Cost ..... \$0.41

## Belden Tinned Aerial Wire

An old standby. Very popular where installations are wanted. 7x22". Shipping weight per 100 ft., 4 lbs.  
Q16228—100 ft. per coil. 41c  
Your Cost .....  
1000 ft. per spool. \$4.12  
Your Cost .....  
Q16125—Brown Rayon 125 ft. \$1.03  
Your Cost .....  
Q16126—Brown Cotton 60 ft. 41c  
Your Cost .....  
Q16127—Brown Cotton 1000 ft. \$5.30  
Your Cost .....  
Q16128—100 ft. Litz Wire 20/38 stranded Beldenamel with two servings of green silk. 59c  
Your Cost Per Spool.....

## Auto Ignition Wire



This standard 7 mm. black lacquered braided wire very popular for use in automobile ignition and high tension work. Can also be used in Neon signs. This wire is the same as used in the ignition systems of the most expensive automobiles. Shipping weight 4 lbs.

Y20852—100 ft. spool. \$1.75  
Your Cost .....

9 mm. wire specially designed for Neon sign use. Shipping weight 4 lbs.

Y20853—100 ft. spool. \$ 2.25  
Your Cost .....

## Battery Charging Cable

This wire is particularly designed for battery charging stations and for any requirement that needs an exceptionally flexible heavy rubber covered single conductor stranded cable. It is impervious to acid and acid fumes. Weatherproof. Shipping weight 100 ft. 6 lbs.

Y20854—Your Cost 75c  
Per 100 Ft. Spools.....

## Armored Cable



For auto, radio, outdoor, P. A. systems and oil burner installations. The armor when grounded acts as a shield which also makes this wire suitable for microphone installations. Of highest quality. Is weather proof and will stand up indefinitely under heaviest strains. Shipping weight per 100 ft. 8 lbs.

Gauge No. 16 1 Ft. 100 Ft.  
Q20855—Single Cond. 2 1/2c \$1.95  
Q20856—Double Cond. 3c 2.25  
Q20857—Triple Cond. 4c 2.50



## Belden Indoor Aerial and Litz Wire

This specially covered wire is ideal for indoor aerials and for winding radio loops, and is easily concealed on a picture moulding or window frame. Shipping weight per spool 3 lbs.

## Lead-in Wire

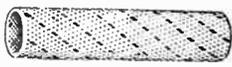
Very good quality. The grade usually used for service work. No. 17 copper well insulated with pure rubber.

Q16200— 25 Ft. 50 Ft. 100 Ft.  
Single Lots. 10c 15c 27c  
Lots of 10 Ea. 9c 14c 26c  
Shpg. wt. lbs. 1/2 1 2

## Belden All-Rubber Lead-in Wire

Well known for its special rubber compound covering which strips quickly and easily. Big time saver for quick splicing and soldering. Shipping weight per 100 ft. 3 lbs.

Q16225—No. 14 Seven Strand.  
50 ft. per carton. Your Cost. \$0.47  
250 ft. per spool. Your Cost. 2.20  
Q16226—No. 16 Seven Strand  
50 ft. per carton. Your Cost. \$0.29  
250 ft. per spool. Your Cost. 1.32  
500 ft. per spool. Your Cost. 2.06  
Q16227—No. 18 Seven Strand  
500 ft. per spool. Your Cost. \$1.76



## Belden Shielding

Tinned copper shielding for "B" battery leads, speaker leads, lead-ins, and various connections in the radio chassis. Solders easily. Shipping weight per 100 ft. 3 lbs.  
Q16214—Inside diameter 1/8"  
Your Cost ..... 4c  
Per Ft. ....  
Q16215—Inside diameter 3/8" ..... 6c  
Your Cost Per Ft. ....  
Q16216—Inside diameter 1/2" ..... 9c  
Your Cost Per Ft. ....

## Best Grade Lead-in Wire

A heavier and better grade than the above. Consists of a core of No. 14 tinned copper wire covered with a layer of durable rubber compound and a layer of cotton braid. Weather-proofed braid. Strips clean; solders easily. Standard code wire.

Q16203— 25 Ft. 50 Ft. 100 Ft.  
Single Lots. 11c 27c 52c  
Lots of 10 Ea. 14c 26c 51c  
Lots of 25 Ea. 13c 25c 50c  
Shpg. wt. lbs. 1/2 1 2

## Shielded Lead-in

Unexcelled for lead-in and ground connections. 16 strands No. 29 (equal to No. 16) with layer of cotton over which is a layer of pure live rubber covered with a shielding of tinned copper braid. Insulations, skins easily and wire is tinned for easy soldering.

Q16212— 50 Ft. 100 Ft.  
Each ..... 52c 94c  
Shpg. wt. lbs. .... 1 2



Effective in reducing static caused by high tension wires and other sources that radiate disturbing noises. Consists of a stranded core with a heavy braid of fine tinned copper wire which serves as a shield. Easy-strip rubber insulation. In service the shielding is grounded.

Q16208— SIZE 14  
50 Ft. 100 Ft. 250 Ft.  
Your Cost \$1.03 \$2.10 \$5.15  
Shpg. Wt 2 4 10  
Q16210— SIZE 16  
50 Ft. 100 Ft. 250 Ft.  
Your Cost \$0.65 \$1.30 \$3.23  
Shpg. wt. lb. 2 4 9

# UNBEATABLE PRICES



## Magnet Wire

This wire is universally used for coil winding of every description for radio and technical experimental operations. We have found that for this type of work a wire made of the purest copper and best grade insulating material is highly important. Our magnet wire answers the strictest specifications as to quality and exactness of gauge. This wire is neatly put up in single lengths on spools. Shipping weight 1 lb. each.



### Enamel

Stock No.	Size	1/4 Lb.	1/2 Lb.
X20950	16	\$.14	\$.25
X20951	18	.15	.26
X20952	20	.16	.27
X20953	22	.17	.28
X20954	24	.18	.29
X20955	26	.19	.35
X20956	28	.21	.37
X20957	30	.23	.42
X20958	32	.25	.46
X20959	34	.29	.52
X20960	36	.33	.60
X20961	38	.38	.70

### Double Cotton

Stock No.	Size	1/4 lb.	1/2 lb.
X20973	16	\$.16	\$.28
X20974	18	.17	.31
X20975	20	.18	.34
X20976	22	.21	.39
X20977	24	.24	.46
X20978	26	.29	.55
X20979	28	.35	.67
X20980	30	.41	.79
X20981	32	.51	.97
X20982	34	.73	1.38
X20983	36	1.00	1.90

### Double Silk

X20962	18	\$.27	\$.52
X20963	20	.30	.62
X20964	22	.36	.70
X20965	24	.42	.85
X20966	26	.54	1.04
X20967	28	.66	1.30
X20968	30	.84	1.70
X20969	32	1.11	2.16
X20970	34	1.40	2.66
X20971	36	1.73	3.29

Table Showing Feet Per Pound of Above Magnet Wires.

Gauge	D. C. C.	Enamelled	D. S. C.
16	125	125	125
18	192	202	199
20	298	319	314
22	464	506	494
24	711	804	778
26	1080	1280	1220
28	1630	2030	1910
30	2420	3220	2960
32	3500	5100	4570
34	4920	8080	6980
36	6660	12800	10560
38		20300	15500

## Power Pack Hookup Wire



This is a heavy duty rubber covered stranded hookup wire intended for use where heavy currents will be carried. Especially desirable for use in 1 1/2 and 2 1/2 volt filament circuits where the amperage is high. The 14 gauge wire is rated at 15 amps at 110 volts.

**R16285**—  
Your Cost 100 ft. Coil... **90c**  
The 12 gauge wire is rated at 20 amperes. Shipping weight 3 lbs. to 100 ft.

**R16286**—  
Your Cost 100 ft. Coil... **90c**  
The same wire may also be had in twisted pair for use in A. C. leads.

**R16287**—  
14 Gauge 100 ft. Spool... **1.75**  
Your Cost...  
**R16288**—  
12 Gauge 100 ft. Spool... **1.75**  
Your Cost...  
**R16289**—

## Twisted Pair For Filaments



20 gauge, 16 strands No. 29. Tinned. Rubber insulation covered with cotton braid. Color: black. Shipping weight 25 ft. coil, 12 oz. One piece coils.

**Q16278**—  
25 Ft. 30c  
50 Ft. 59c  
100 Ft. \$1.15

## Heavy Duty Stranded Copper



Forty strands No. 29; 14 Gauge. Layer of heavy cotton under covering of live rubber. Tinned. Ideal for heavy duty filament in transmitting apparatus. Shipping weight 25 ft., 1 lb.

**Q16121**—  
Per Foot... **2c**  
25 Ft. 35c  
50 Ft. 65c  
100 Ft. \$1.20

## Extra Heavy Stranded Copper

Sixty-five strands No. 29. Tinned. Twelve gauge, insulated with pliable rubber. Would make an ideal antenna for D. X. fans. Will handle 10 amps at 2 1/2 volts. Shipping weight 25 ft. coil 1 lb. One piece coils.

**Q16122**—Per Ft. ... **2c**  
25 Feet 48c  
50 Feet 90c  
100 Feet \$1.75



## Corwico Flexibus

A flexible insulated multi-stranded tinned copper hook-up wire. Is covered with a varnished cambric flame-proof insulation. Colors: Red, Green, Yellow, Brown, Black. Specify color when ordering. Shipping weight 8 oz.

**R16340**—25 Ft.—Your Cost... **49c**

## Hook-up Wire



Rubber insulated cotton braid. Lacquered braid which prevents the wire from fraying as easily as ordinary wire. Put up on spools of 250 ft. Shipping weight 5 lb.

**R16345**—  
Your Cost... **90c**  
4 Spools (Assorted Colors)... **\$3.15**

## Colored Rubber Hook-up Wire



No. 18 stranded and tinned copper wire covered with colored rubber compound. Solders instantly. 25 ft. to coil. Colors black, red or green; state color wanted. Shipping weight per coil, 6 oz.

**Q16275**—Your Cost per **17c**  
coil...  
25 Ft. ... **11c**  
10 Coils... **\$1.00**

## Best Grade Push-Back Wire



### Double Cotton Braid

Size 19 copper wire, tinned for easy soldering. Extra heavy insulation slips back easily. Essential for a neat and quick job. Very fine quality, not to be confused with cheaper grades which are not really "push-back." Colors: red or black. Shipping weight 6 oz. coil 25 ft. One piece coils.

**Q16277**—  
25 Ft. Coil 17c  
50 Ft. 33c  
100 Ft. 65c

## Stranded Push-Back Wire

The same high quality as the above. Size 18. Stranded and tinned. Red or black. One piece coils. 25 Ft. Coil 50 Ft. 100 Ft.

**Q16330**—17c 33c 65c

## 22-Gauge Stranded Copper Hook-up Wire



Seven strands of No. 29 wire. Cotton and rubber under waxed braid covering. Tinned. Colors: Black, Yellow, Red, Green. Shipping weight 25 ft. coil 6 oz. One piece coils.

**Q16276**—  
25 Ft. 14c  
50 Ft. 25c  
100 Ft. 31c

## Stranded Push Back Wire



For those who prefer stranded to solid, we offer this old standby in black 19 gauge tinned copper hookup wire. Shipping weight for 100 ft. 2 lbs.

**R16321**—  
Your Cost 100 ft. Coil... **35c**  
Your Cost 500 ft. \$ **1.75**  
Spools...  
Your cost 1000 ft. \$ **2.95**  
Spools...

## Solid Push Back Wire

This 19 gauge solid wire has the popular black push back insulation. No stripping necessary. Just push back the insulation and the tinned wire is ready for soldering. Shipping weight 2 lbs.

**R16320**—  
Your Cost 100 ft. Coil... **40c**  
Your Cost 500 ft. \$ **1.85**  
Spool...  
Your Cost 1000 ft. \$ **3.50**  
Spool...



## Belden Hook-up Wire

No. 18 Stranded Tinned Copper, insulated with 1/4" Belden color-rubber.

25 ft. coils available in Green, Blue, Red, Brown or Yellow. Shipping weight 8 oz.

**Q16290**—Your Cost... **18c**  
1000 ft. spools available in Natural, Brown or Red. Shipping weight 15 lbs.

**Q16291**—Your Cost... **\$4.50**  
(Specify color when ordering).

## Belden Shielded Hook-up Wire

Same wire as above but with closely woven tinned copper shielding for use with screen grid tubes. Shipping weight 3 lbs.

**R16294**—  
100 Ft. Your Cost... **\$1.20**

## Service Wire Kit



A real money saver. This assortment contains practically every type of wire useful for Radio Service. Contents total approximately 200 ft. in lengths varying from 4 to 24". Various wires are pushback R. C. hookup shielded, twisted and parallel lamp cord, heavy A. C. leads, spaghetti, etc. Shipping weight 5 lbs.

**R16299**—Your Cost... **35c**



## Corwico Braidite

A superior hook-up wire. Either solid or stranded and tinned. Furnished in red, yellow, blue, green and black. Specify

color wanted. Shipping weight 1 lb. **Q16325**—No. 600 Solid copper score. 25 ft. in carton. List, 30c.

Your Cost Each... **17c**  
**Q16326**—No. 601 Stranded copper core. 25 ft. in carton. List, 35c.

Your Cost Each... **20c**

Replacement Part Headquarters for Dealers and Service Men



### New Type Parallel Lamp Cord



The very latest development in lamp cords. Due to the great demands for a wire that is abrasion proof and waterproof, this wire has been made available. It is similar in size and appearance to the regular cotton or silk covered lamp cord. The two rubber covered wires are contained in a jacket of extremely tough live rubber. The rubber is put on by a new electrolytic process which makes for a perfect seamless covering. This wire is approved by the underwriters and can be had in orchid, green, white and brown. Specify color when ordering. Shipping weight 3 lbs. to 100 ft.

**Y20920**—18 gauge. **Your Cost:**  
Per Ft. 100 Ft. 500 Ft.  
2c \$1.50 \$6.95

### Approved Reinforced Cord



Used indoors for portable machines and drop cords, insulated with belt of seamless rubber and covered with smooth cotton braid, size No. 18. (Black only.) Shipping weight 6 lbs. to 100 ft.

**Heavy Reinforced 1/32 R. C.**  
**Y20909**—1 Ft. 250 Ft. 1000 Ft.  
**Your Cost 2 1/2c \$2.75 \$9.25**  
**Light Reinforced 1/64 R. C.**  
**Y20910**—1 Ft. 250 Ft. 1000 Ft.  
**Your Cost 2c \$2.50 \$8.25**

### Approved Heavy Duty Cord



The thick belt of 50% para rubber that covers the conductor is made of smooth oil-resisting, abrasion-proof, high quality rubber. This flexible waterproof, oil-resisting, non-kinking cord is just the thing for hard service. Especially suitable for outdoor work, garages, portable devices; in fact, on any job where ability to stand abuse is a primary factor. Shipping weight 7 lbs. to 100 ft.

Stock No.	Size	Per Ft.	Per 100 Ft.
Y20945	18—2-wire	2 1/2c	\$1.95
Y20946	16—2-wire	5c	4.50
Y20947	14—2-wire	6c	5.90
Y20948	18—3-wire	5c	4.50

## Approved Fixture and Appliance Wire

This is the highest type of wire available for this purpose. Is especially desirable for the better grade and more permanent installations. This wire meets the Board of Fire Underwriters approval, and therefore is recognized by all electrical inspection bureaus. The Fire Insurance Companies particularly require approved cord for all radio and electrical installations. The slight additional cost of this wire may mean a real saving to you in case of fire, or inspection by your electrical board, as it might mean that the matter of a settlement would be held up, due to the violation, in not using Approved Lamp Cord.

### Parallel Cotton Cord Approved



A popular number with the service man. For hooking up radios, extensions, etc., available in green, white, brown, maroon, yellow, black. Specify color when ordering. Shipping weight 3 lbs. to 100 ft.

**2 Conductor 18 Gauge 1/64 R. C.**  
**Y20935**—**Your Cost Per Foot . . . . . 1c**  
**Your Cost 100 Feet . . . . . \$ 9.00**  
**Your Cost 500 Feet . . . . . 3.50**  
**Your Cost 1000 Feet . . . . . 6.75**  
**2 Conductor 18 Gauge 1/32 R. C.**  
**Y20936**—**Your Cost Per Foot . . . . . 1 1/2c**  
**Your Cost 100 Feet . . . . . \$12.00**  
**Your Cost 500 Feet . . . . . 4.00**  
**Your Cost 1000 Feet . . . . . 7.75**

### Parallel Silk Lamp Cord



New code insulation lamp cord. Consists of two conductors laid parallel and covered with braided silk. Has inner braid. The neatest cord for portable lamps, extension lights, etc., available in the following popular colors: White, brown, maroon, old gold, black, green. Specify color when ordering. Shipping weight 3 lbs. 100 ft.

**18 Gauge 1/64**  
**Y20937**—**Your Cost Per Foot . . . . . 1 1/2c**  
**Your Cost 100 Feet . . . . . \$1.20**  
**Your Cost 250 Feet . . . . . 2.25**  
**Your Cost 500 Feet . . . . . 4.00**

**18 Gauge 1/32**  
**Y20938**—**Your Cost Per Foot . . . . . 2c**  
**Your Cost 100 Feet . . . . . \$1.70**  
**Your Cost 250 Feet . . . . . 2.85**  
**Your Cost 500 Feet . . . . . 4.85**

### Single Fixture Wire Approved



Silk or cotton. Very handy for hooking receiver up to aerial and ground as well as for general fixture use in extensions, etc. Silks come in white, old gold, maroon and brown. Cotton available in white and brown only. Specify color when ordering.

Gauge	Silk		Cotton	
	Per Ft.	Per 100 Ft.	Per Ft.	Per 100 Ft.
<b>Gauge 18 1/64</b>				
<b>Y20915</b>	100 ft. \$ .55	\$ 45	100 ft. 1.95	1.75
	500 ft. 1.95	1.75	1000 ft. 3.20	2.95
<b>Gauge 18 1/32</b>				
<b>Y20916</b>	100 ft. .65	.55	500 ft. 2.25	1.95
	500 ft. 2.25	1.95	1000 ft. 3.75	3.20
<b>Gauge 16 1/32</b>				
<b>Y20917</b>	100 ft. .75	.65	500 ft. 2.40	2.25
	500 ft. 2.40	2.25	1000 ft. 4.20	3.75
<b>Gauge 14 3/64</b>				
<b>Y20918</b>	100 ft. .95	.85	500 ft. 3.25	2.75
	500 ft. 3.25	2.75	1000 ft. 6.25	5.30

Shipping weight 3 lbs. to 100 ft.

### Code Wire



National Electric Code Standard 3/4" rubber. 14 gauge. This heavy-duty black twisted pair cotton-covered wire is the finest wire obtainable for jobs that call for a wire of large current carrying capacity and ability to stand plenty of abuse. Shipping weight 5 lbs. per 100 ft.

**No. 14 3/64**  
**Y20890**—**Your Cost Per Foot . . . . . 2 1/2c**  
**Your Cost 100 Feet . . . . . \$2.15**

### Approved Twisted Pair Cotton or Silk Covered



Preferred by many for the same uses as a parallel cord. An old standby for wire users. This type of wire does not kink. Available in maroon, brushed brass, old gold, blue, white, brown. Shipping weight 3 lbs. to 100 ft. Specify cotton or silk also color when ordering.

**Twisted No. 18 1/32**  
**Y20939**—**Per Ft. 100 Ft. 250 Ft. 500 Ft.**  
**2c \$1.50 \$2.25 \$3.95**  
**Twisted No. 16 1/32**  
**Y20940**—**2 1/2c 1.95 3.95 7.45**

### Cotton Lamp Cord

Size No. 18 1/32, approved, used for portable wiring and drop lights. Tightly woven, cotton covered over live rubber insulation. Shipping weight 4 lbs. to 100 ft.

**Green and Yellow**  
**Y20900**—**1 Ft. 250 Ft. 1000 Ft.**  
**Your Cost 1c \$2.10 \$7.40**  
**No. 18 1/32—Twisted Black**  
**Y20901**—**Your Cost 1c \$2.10 \$7.40**  
**No. 18 1/64—Green and Yellow**  
**Y20902**—**Your Cost 1c \$1.95 \$5.95**  
**Twisted Black**  
**Y20903**—**Your Cost 1c \$1.95 \$5.95**  
**No. 14 3/64—Black Only**  
**Y20928**—**Per Ft. Per 100 Ft.**  
**Your Cost 3c \$2.50**

### Approved Asbestos Covered Cord



Stranded copper wire, cotton wrapped, insulated with rubber, protected by a braid of long asbestos fibres with a closely woven Rayon braid over all. A heavy duty wire suitable for all types of appliances such as toasters, irons, etc. Shipping weight 3 lbs. to 100 ft.

**Y20930**—**Per Ft. 250 Ft. 500 Ft.**  
**Your Cost 2 1/2c \$2.75 \$4.95**

## Special Wire Offer



### Cotton

**Y20875**—200 Ft. 18 1/64 Single conductor for Aerial, Ground and General Use.

**Y20876**—250 Ft. 22 1/64 Single conductor for Hookup, etc.

**Y20877**—100 Ft. 14 1/32 Single conductor for General Heavy Filament Work.

**Y20878**—100 Ft. 18 1/64 Twisted Pair conductor Green and Yellow for Drop Cords, Extension, etc.

**Y20879**—50 Ft. No. 14 Twisted Pair for Power Amplifier, etc.

The purchase of several million feet of fixture wire permits us to offer a large selection of popular sizes and colors at prices far below the present market. It is now possible for you to have a selection of wire that will take care of any job you have at extremely low cost. Shipping weight 4 lbs. 100 ft.

### Silk

**Y20880**—100 Ft. 18 1/32 Parallel All Colors for Extensions, etc.

**Y20881**—100 Ft. 18 1/64 Parallel, for Installations, etc.

**Y20882**—100 Ft. 18 1/64 Twisted Pair for Filament Leads and Portable Work.

**Your Cost Each Spool . . . . . 85c**  
**Your Cost Complete Assortment of 8 Spools . . . \$6.50**

### Special Silk Parallel Wire



An unusual value on the two sizes of wire widely used for radio extensions, convenience outlets, lamps and other uses too numerous to mention. Available in White, Brown, Old Gold, Green, and Maroon. Shipping weight 3 lbs. to 100 ft. Specify color when ordering.

**Gauge 18 1/64**  
**Y20925**—**500 Ft. 1000 Ft.**  
**100 Ft. 85c. \$3.60 \$5.25**  
**Gauge 20 1/64**  
**Y20926**—**75c \$2.75 \$4.30**

### Telephone Wire

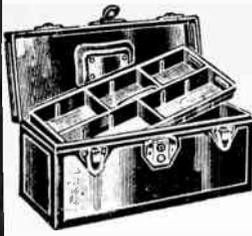


Service men will find this wire of great use in general work, especially when hooking up the very popular inter-communication phones in private homes. The conductor consists of No. 19 solid wire with the heavy 1/32 insulation wrapped in closely woven cotton braid with the standard telephone tracer.

**2-Conductor No. 19 1/32**  
**Y20895**—**Shpg. wt. 2 lbs. 100 Ft.**  
**100 Ft. 500 Ft. 1000 Ft.**  
**Your Cost 95c \$4.20 \$7.50**  
**3-Conductor No. 19 1/32**  
**Y20896**—**Shpg. wt. 3 lbs. 100 Ft.**  
**Your Cost \$1.50 \$5.70 \$9.90**

**WHOLESALE RADIO SERVICE CO., INC. - 100 Sixth Ave., New York**

# Steel Tool Boxes



## The "Utility"

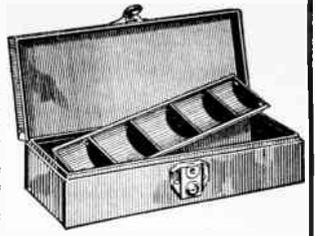
The chest of a thousand uses. Usable as a mechanic's tool box, fishing tackle box, valuable paper box, for household tools and a dozen other purposes. Has loose tray with movable partitions. Heavy steel, beautifully finished in olive green. Matched hardware. Size 14x6 1/2 x 6". Shipping weight 6 lbs. **P14870—**

Your Cost..... **75¢**

## The "Bullseye"

A new, well made combination tool chest. Heavy gauge cold rolled steel, finished in olive green baked enamel. Panel top for rigidity. Has lock and key. Round bottom tray with movable partitions. Size 13 1/2 x 4 x 5 1/4". Shipping weight 4 lbs. **P14877—**

Your Cost Each..... **59¢**

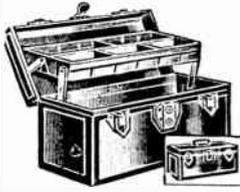


## Fitsall Flatiron Element



Iron replacements. Will fit over 90% of the irons on the market, including G. E. Hot Point, Sunbeam, etc. Shipping weight 1 lb.

**M13270—**  
Your Cost Each..... **22¢**  
Carton of 10..... **\$2.09**



## The "Craftsman"

The improved tool chest with the automatic cantilever tray that pulls into position when box is opened—all contents handy to get at. Made of heavy gauge, cold rolled steel with electric welded flush seams. Finished in especially hard baked enamel, olive green in color. Has permanent embossed rule on cover. Movable tray partitions. Matched hardware, with lock and key. Size 14x6 1/2 x 6". Shipping weight 7 lbs. **P14871—**

Your Cost Each..... **95¢**



## 4 Way Table Tap

Made of Bakelite. Very convenient for attaching several appliances (percolator, toaster, grill, etc.) to single wall outlet. Comes complete with 5 1/2 ft. silk cord. Shipping weight 1 lb. **M13303—**

Your Cost Each..... **38¢**



## Heater Plugs

Genuine Bakelite Iron Plug with switch. Very attractively designed. Has coil to protect cord. Shipping weight 8 oz.

**M13290—**  
Each..... **19¢**  
Carton of 10..... **\$1.85**

## New Cutler-Hammer Heat-Proof Plug

A new cold moulded plug that actually becomes harder the longer it is used. Previous cold moulded plugs give way under heat while this one improves! NO SCREWS are used to hold plug together—two clips, easily removable with the fingers hold the two halves in place and also permit them to separate slightly when appliance prongs are inserted. This allows a circulation of air through plug as well as removing all tension on the plug itself. Shipping weight 8 ozs. **M13285—**

Your Cost Each..... **28¢**  
Per Dozen..... **\$2.80**



## Snap-It Cord Set

Brown Bakelite appliance plug with convenient snap switch. Brown silk cord and standard 2-piece outlet plug. Individually boxed. Shipping weight 2 lbs.

**M18303—**  
Your Cost Each..... **34¢**  
Carton of 10..... **\$3.25**

6 Ft. Special Rayon Silk Cord Set with cold mold cap and regular heater plug. Shipping weight 2 lbs. **M18302—**

Your Cost Each..... **15¢**  
Per Dozen..... **\$1.75**



**Armored Plug**  
Cold moulded Heater Plug, armored with heavy nickel plated steel sleeve.

**M13291—**  
Your Cost Each..... **10¢**  
Carton of 10..... **90¢**



**Bakelite Heater Plug**  
Large plug, black Bakelite. An unusually good plug for the money. **M13292—**

Each..... **10¢**  
Carton of 10..... **78¢**

## Non-Twist Plug

No more twisted cords with this new plug. Approved by the board of fire underwriters. Shipping weight 8 oz.

**M13277—**  
Your Cost Each..... **20¢**  
Per Dozen..... **\$2.20**



## Electric Heater Elements

Best grade Resistance wire with standard base to fit all heaters.

**M13304—** Cone Shape.  
Your Cost Each..... **20¢**  
Carton of 10..... **\$1.90**

**M13305—** Straight Type.  
Your Cost Each..... **24¢**  
Carton of 10..... **\$2.25**

## Cigar Lighter Unit

Fine quality resistance wire with mica top. **M13286—**

Each..... **12¢**  
Carton of 10..... **\$1.10**

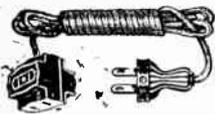


## Trio-Tap

Bakelite extension sets with handle cap. **M13294—**

9 ft. Each..... **29¢**

**M13296—**  
15 ft. Each..... **39¢**



## G. E. Flush Receptacle

Mounts in 1 1/4" hole. Provides outlet for standard plug. 15 amps at 125 volts. Metal case. **M13307—**

Each..... **10¢**  
25 For..... **\$2.25**



## Midget Push Button

Bakelite. Only 1 1/16 inches wide. **M13297—**

Your Cost Each..... **12¢**  
Carton of 20..... **\$2.25**

## Square Push Button

Bakelite. Size 1 1/2 square. **M13298—**

Your Cost Each..... **12¢**  
Carton of 20..... **\$2.25**

## Bakelite Baseboard Outlet

This handy device enables you to quickly install an outlet in any part of the house. Made of brown bakelite with center mounting wood screw. Shipping weight 8 oz. **M13312—**

Your Cost Each..... **9¢**  
20 For..... **\$1.65**

## Single Name Plate

Bakelite. Size 2 1/4 x 2 3/8". **M13300—**

Your Cost Each..... **15¢**  
Carton of 12..... **\$1.65**



## Small Rubber Plug with Handle

**M13301—**  
Your Cost Each..... **6¢**  
Carton of 10..... **50¢**

## Rubber Cord Connector

Unusually neat appearance. Has narrow flat blades. **M13302—**

Each..... **17¢**  
Carton of 10..... **\$1.60**

## Handle Cap

Bakelite. Very popular. **M13281—**

Each..... **5¢**  
Carton of 25..... **\$1.00**

## Pendant Switch

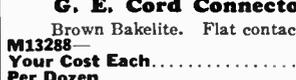
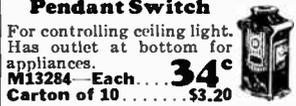
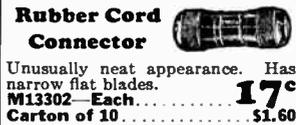
For controlling ceiling light. Has outlet at bottom for appliances. **M13284—**

Each..... **34¢**  
Carton of 10..... **\$3.20**

## G. E. Cord Connector

Brown Bakelite. Flat contacts. **M13288—**

Your Cost Each..... **23¢**  
Per Dozen..... **\$2.60**



## Twin Socket

One-piece Bakelite. **M13279—**

Your Cost Each..... **12¢**  
Carton of 10..... **\$1.05**

## Current Tap

Made of Bakelite with one lamp and two appliance outlets. Shipping weight 8 oz. **M13278—**

Your Cost Each..... **11¢**  
Carton of 10..... **98¢**

## Angle Plug

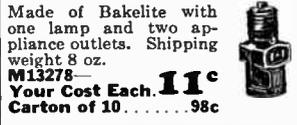
Bakelite. One-piece construction. **M13280—**

Each..... **12¢**  
Carton of 10..... **\$1.05**

## Trio Plug

Bakelite. Three outlets from 1 plug. **M13282—**

Your Cost Each..... **6¢**  
Per Dozen..... **69¢**  
Carton of 25..... **\$1.65**



## Attachment Cap

Cold moulded. **M13306—**

Each..... **3¢**  
Per Dozen..... **27¢**

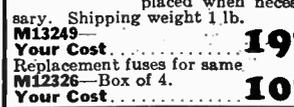
## Fused Triple Outlet Plug

Protects delicate instruments, appliances, etc. Prevents main fuses from blowing. Standard cartridge fuses instantly replaced when necessary. Shipping weight 1 lb. **M13249—**

Your Cost..... **19¢**

Replacement fuses for same. **M13226—** Box of 4.

Your Cost..... **10¢**



## Hubbell Cord Receptacle

10 amp. 250 volt composition receptacle. Is 1 1/8" in dia. and 1 1/2" long. Has three-fold bronze contact springs. **M13311—**

Your Cost Each..... **12¢**  
10 For..... **\$1.00**





# Set Builders Accessories



## Hard Rubber and Bakelite Panels

Made especially for Radio Panels. Color, black. Thickness  $\frac{3}{16}$ ". First quality guaranteed. If size required is not listed we can cut Special Size Panels at  $1\frac{1}{4}$  cents per square inch for rubber and  $2\frac{1}{4}$  cents per square inch for Bakelite. Special size panels will not be shipped C. O. D.

HARD RUBBER		BAKELITE	
Stock No.	Your Cost	Stock No.	Your Cost
W19630	\$0.49	W19600	\$0.98
W19631	.59	W19601	1.20
W19632	.69	W19602	1.45
W19633	.88	W19603	1.85
W19634	1.03	W19604	1.95
W19635	1.25	W19605	2.15
W19636	1.35	W19606	2.70
W19637	1.48	W19607	2.95
W19638	1.59	W19608	3.12



## Aluminum Shielding Cans

Shipped knocked down. Corner posts drilled for  $\frac{5}{16}$ " screws.  $\frac{1}{16}$ " stock.

Stock No.	Size	Each
M13250	5x5x6"	\$1.48
M13251	9x5x6"	1.70
M13252	6x6x6"	1.85
M13253	8x8x6"	2.25
M13254	10x8x6"	2.40

## Sheet Aluminum

Best grade  $\frac{1}{16}$ " thick. Specially made for radio work. Non-magnetic.

Stock No.	Size	Net
W19660	7x10"	\$0.49
W19661	7x12"	.55
W19662	7x14"	.65
W19663	7x16"	.80
W19664	7x18"	.88
W19665	7x21"	.95
W19666	7x24"	1.10

## Aluminum Corner Posts

Build your own shield boxes 6" long, aluminum corner posts grooved on two sides to fit  $\frac{1}{16}$ " thick aluminum pieces and tapped at each end to fit  $\frac{5}{16}$ " machine screws. Thickness of metal overall  $\frac{1}{2}$ ". Shipping weight 1 lb.

P14954—Your Cost Each **17c**

## Sub-Panel Brackets

This type designed to accommodate transformers or large by-pass condensers beneath the sub-panel. Also ideal for midset set construction. Rigidly constructed of hard aluminum. Size  $2\frac{1}{2}$ " high,  $6\frac{3}{4}$ " long. Shipping weight per pair 1 lb.

P14905—Net per Pair **24c**

## 1"x8 1/2" Bracket

An ideal bracket for receivers using box or large shielding; or large audio frequency transformers. Leaves enough clearance underneath the sub-panel for average by-pass or fixed condenser. Will accommodate any sub-panel up to 9" in width. Aluminum construction. Shipping weight 1 lb. P14906—Your Cost per Pair **24c**

## 2 In. x 9 In. Bracket

An improved sub-panel bracket with cutout corners that will fit any type of cabinet. Aluminum construction. Shipping weight per pair 1 lb. P14907—Your Cost per Pair **36c**

## Bakelite Tubing

Best quality. Wall  $\frac{1}{16}$ " thick.

Stock No.	Dia.	Your Cost per Inch
M13150	1	\$0.03
M13151	1 1/2"	.04
M13152	2	.06
M13153	2 1/2"	.06
M13154	3	.06

## Panel Engraving

We can furnish engraved Rubber or Bakelite Panels with any special engraving desired. Furnish us panel layout for quotation.

## 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. 30" lengths.

P15960—Per Length **5c**  
12 Lengths **50c**  
Shpg. wt 6 oz.

## Bus Wire

Round, Tinned Copper, 2ft. Lgths

SIZE 14  
Q15965—10 Lgths. 100 Lgths.  
Your Cost **16c** **\$1.41**

SIZE 12  
Q15966—10 Lgths. 100 Lgths.  
Your Cost **26c** **\$2.05**  
Shpg. wt., lbs. 1 8

## Terminal Clips

A very convenient and substantial clip. Hot tin dipped for easy soldering. Often used as Antenna and Ground connections and power terminals. Furnished complete with two screws.

Envelope of 5 Clips. P14938—Your Cost **15c**

## Mounting Lugs

For Anchoring Shield Can to Chassis. Made of cadmium plated steel. Flat end with hole to fit 6-32 screw. Threaded end size 6-32.

P14955—Your Cost for 10 **8c**  
Your Cost per 100 **36c**

## Regular Type

Nickel Plated Brass. P14881—Per Dozen **7c**  
Per Gross. **70c**

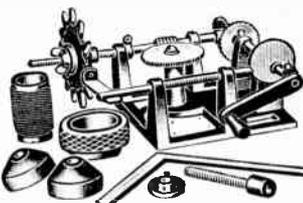
## Easy Solder Type

Insert wire, drop solder in hole. Brass, Nickel Plated. Shipping weight 6 ozs.

P14882—Per Dozen **10c**

## Morris Universal Coil Winder

This handy machine will wind Honey Comb, Spiderweb, or Solenoid coils of various widths and diameters, from any gauge wire in general use for coils. An ideal machine for experimenters and amateurs for the purpose of fabricating coils to special specifications. Does a neat, workman-like job 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. Shipping weight 6 lbs.



P14725—List \$7.50  
Your Cost Each **\$4.40**

## Soldering Paste

The quickest acting paste on the market, put up in a convenient collapsible tube with projecting tip. Outlasts other pastes two to one. Will solder where others fail. Shipping weight 8 oz.

P14873—Your Cost **15c**  
12 for **\$1.65**

## Solderall

An amazing preparation which solders all metals, except aluminum. Comes in handy tube.

P14860—Single tubes. Your Cost **7c**

P14861—Display box of 24 tubes. Shpg. wt. 4 lbs. Your Cost **\$1.45**

## Welds All

Mends china, glass, marble, tile, wood, leather, furniture, utensils, etc. Solders aluminum, iron, lead, tin, tanks, radiators, auto parts, etc.

P14910—List 25c. Your Cost **18c**

Display box of 12. Shpg. wt. 4 lbs. Your Cost **\$1.95**



## ONE GALLON INSULATING PITCH



Shipping weight 3lbs. for 14oz. can. Your Cost **33c**  
P14865—Shipping weight 12 lbs., 1 gal. can. Your Cost **\$1.12**

## Insulating Pitch

This pitch is specially treated for low melting point, making its use very simple. It is put up in two sizes.

P14864—Shipping weight 3lbs. for 14oz. can. Your Cost **33c**  
P14865—Shipping weight 12 lbs., 1 gal. can. Your Cost **\$1.12**

## Friction Tape

The best quality tape with plenty of live friction rubber. Equally well suited to Radio, automobile, electrical or household use. Kept fresh by wrapping of tin foil.

P14829—2 oz. roll. Your Cost Each **5c**  
10 Rolls for **45c**  
P14842—4 oz. roll. Your Cost Each **8c**  
10 Rolls for **75c**  
P14843—8 oz. roll. Your Cost Each **15c**  
10 Rolls for **\$1.39**



## Rubber Tape

Live rubber. Used to properly insulate electrical splices under a layer of friction tape. Wrapped in tin foil and boxed.

P15040—1/4 lb. roll. Your Cost Each **11c**  
10 Rolls for **98c**  
P15041—1/2 lb. roll. Your Cost Each **20c**  
10 Rolls for **\$1.85**

## Kester Solder

15c Per can



Approved by all leading radio engineers. Makes low loss joints. Each tin contains a coil of solder. Will not spatter.

P14857 Acid Core Acid Core  
Rosin Core Acid Core  
Per tin. Shipping weight 8 oz. List \$0.25

Your Cost **15c**  
P14861—Display box of 24 tubes. Shpg. wt. 4 lbs. Your Cost **\$1.45**

## Kester Solder 1-lb. Spool

Service men and mechanics buy their solder in 1 and 5 lb. spools, as it is more economical.

P14858 Rosin Core Acid Core  
P14879 Acid Core  
Shipping weight 2 lbs. for 1 lb. spool

Your Cost **42c**  
P14859—Shipping weight 6 lbs. for 5 lb. spool. Your Cost **\$1.90**

## Peerless Flux

A non-corrosive flux for quick soldering. Can contain 2 ozs. Shipping weight 8 ozs.

P14862—Your Cost **10c**

P14863—One dozen cans. Shipping weight 3 lbs. Your Cost **\$1.00**



## Adjustable Drilling Template

A tool of many uses in the shop. Indicates the exact location for drilling of holes in panel or baseboard of any radio set. The adjustable template fits perfectly on any part and is then locked in position by the thumb nut. Eliminates the possibility of wrong drilling. Complete with full instructions for operating. Shipping weight 1 lb.

P14935—List 50c  
Your Cost **19c**



## Double Phone Plug

This phone plug is molded of brown bakelite and the hardware is of brass nickel plated. It takes 2 cord tips which are held firmly in place with 2 screws. Individually packed.

P14884—Your Cost Each **25c**



## Nickel Plated Brass Nuts, Screws and Washers

Stock No.	Size	Length	Doz.	Gr.
P14780	4	3/8"	5c	40c
P14781	5	1/2"	5c	50c
P14782	5	5/8"	6c	60c
P14783	5	1"	8c	60c
<b>Round Head</b>				
P14790	4	3/8"	5c	40c
P14791	5	1/2"	5c	50c
P14792	5	5/8"	6c	60c
P14793	5	1"	8c	60c
<b>Oval Head</b>				
P14796	4	3/8"	5c	40c
P14797	5	1/2"	5c	50c
P14798	5	5/8"	6c	60c
P14799	5	1"	8c	60c
<b>Flat Head</b>				

## Machine Screws

Stock No.	Length	Doz.	Gross
P14750	3/8"	3c	32c
P14751	1/2"	4c	42c
P14752	5/8"	5c	55c
P14753	1"	6c	60c
P14754	1 1/8"	8c	70c
<b>6/32 Round Head</b>			
P14755	3/8"	5c	42c
P14756	1/2"	6c	48c
<b>6/32 Flat Head Machine Screws</b>			
P14760	3/8"	3c	32c
P14761	1/2"	4c	42c
P14762	5/8"	5c	55c
P14763	1"	6c	60c
P14764	1 1/8"	8c	70c
<b>6/32 Oval Head Machine Screws</b>			
P14770	3/8"	3c	32c
P14771	1/2"	4c	42c
P14772	5/8"	5c	55c
P14773	1"	6c	60c
P14774	1 1/8"	8c	70c

## Hex Nuts, Knurled Nuts and Washers

P14804	6-32x1/2" Hex Nuts.	5c
Envelope of 20; Net.....		20c
P14805	8-32x1/2" Hex Nuts.	5c
Envelope of 20; Net.....		20c
P14806	6-32x3/4" Hex Nuts.	5c
Envelope of 15; Net.....		25c
P14807	8-32x3/4" Hex Nuts.	5c
Envelope of 15; Net.....		25c
P14808	6-32x3/4" Knurled Nuts—Envelope of 6; Net.....	5c
Per 100.....		75c
P14809	No. 6 Washers.	5c
Envelope of 25; Net.....		20c
P14810	No. 8 Washers.	5c
Envelope of 25; Net.....		20c

## Machine Screw Nut and Washer Assortments

Each assortment contains 12 oval head machine screws, 12 nuts and 12 washers. Brass nickel plated. Shipping weight 6 oz.

P14800—6/32x1/2" **Your Cost Per Box..... 10c**

P14801—6/32x3/4" **Your Cost Per Box..... 10c**

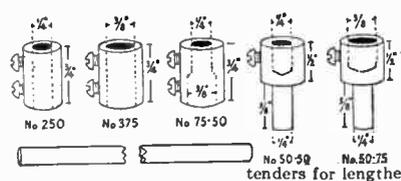
P14802—6/32x1" **Your Cost Per Box..... 10c**

## Special Washer Assortment

Contains 200 pieces of assorted fibre washers, metal washers, asbestos washers and eyelets. The most handy sizes for the service man and household use. The best grade of material used. Shipping weight 1 lb.

P14846 **Your Cost Per Box..... 25c**

# Radio Hardware



## Shaft Couplings and Extenders

For mounting two or more condensers, rheostats or switches. Extenders for lengthening shafts of same.

P15000	1/4" shaft coupling.	15c
P15001	3/8" shaft coupling.	10c
P15002	1/2" shaft coupling.	10c
P15003	3/4" shaft coupling.	10c
<b>Your Cost Each.....</b>		<b>15c</b>
P15010	6" length brass shafting.	\$1.10
P15011	6" length fibre shafting.	80c
<b>Your Cost Each.....</b>		<b>10c</b>
P15004	1/4x1/4" shaft extender.	15c
P15005	Not illustrated. Shaft extender to change 1/4" diameter shaft to 3/8" shaft.	15c
<b>Your Cost Each.....</b>		<b>15c</b>
P15012	12" length brass shafting.	\$1.10
P15013	12" length fibre shafting.	80c
<b>Your Cost Each.....</b>		<b>15c</b>

### National S.G. Clip

Makes a positive grip on tube cap.

N14434 **Each..... 5c**

12 for..... 54c

### Screen-Grid Clip

Manufacturers type. Brass, tinned for easy soldering. Shipping weight 6 ozs.

P14827—Per Dozen..... **12c**

Per Gross..... **\$1.25**

### Upright Clip Mount

H9812 **Your Cost Each..... 6c**

Per Dozen..... **60c**

### Rubber Grommet Type

F6476—**Your Cost Each..... 8c**

Per Dozen..... **85c**

### Insulating Washers

**Extruded Washer, Fibre**

Stock No.	O.D.	I.D.	Thick
P15020	1"	3/4"	1/16"
P15021	3/4"	1/2"	1/16"
P15022	1/2"	1/4"	1/16"
P15023	3/8"	1/4"	1/16"

Either type, package of 10.

**Your Cost..... 15c**

### Flat Washer, Bakelite

Stock No.	O.D.	I.D.	Thick
P15030	3/4"	1/2"	1/16"
P15031	1"	3/4"	1/16"
P15032	1 1/4"	1"	1/16"

Either type, package of 10.

**Your Cost..... 9c**

### Tinned Brass Lugs

1 2 3 4 5

All have No. 8 hole which will fit either No. 6 or 8 screws.

P14812—Style No. 1 **Your Cost Each..... 19c**

P14813—Style No. 2 **Your Cost Each..... 19c**

P14814—Style No. 3 **Your Cost Each..... 19c**

P14815—Style No. 4 **Your Cost Each..... 19c**

P14816—Style No. 5 **Your Cost Each..... 19c**

P14817—Style No. 6 **Your Cost Each..... 19c**

P14818—Style No. 7 **Your Cost Each..... 19c**

### Angle Brackets

Brass, nickel plated. Width 3/8".

Stock No.	No.	Size	Net, Pair
P14895	1	1/2x1 1/2"	\$.02
P14896	3	3/4x2"	.03
P14897	5	1x1 1/2"	.04
P14898	6	1 1/2x1 1/2"	.05
P14899	7	1 1/2x2 1/4"	.07
P14900	10	2x2 1/4"	.07
P14901	11	3/4" high	.03
P14902	15	3" long	.07
P14903	23	1 1/2x1 1/2"	.06
P14904	24	1 1/2x1 1/8"	.03

### Transformer Brackets for Audio and Power Transformers

Ideal for mounting all types. Center-to-center dimensions given in illustration.

P14839 No. 18 **20c**

4 for..... **30c**

P14840—No. 25 **40c**

4 for..... **40c**

P14841—No. 26 **40c**

4 for..... **40c**

### Fahnestock Clips

P14823—Single 3/4" **Your Cost Per Dozen..... 12c**

P14824—Single 1" **Your Cost Per Dozen..... 15c**

P14825—Twin 1 1/2" long. **Your Cost Per Dozen..... 27c**

P14826—Twin 1 3/4" long. **Your Cost Per Dozen..... 30c**

### Radio and Auto Fuses

Consists of accurately tested high grade fusing element, enclosed in glass tube, with metal end caps.

Available in 1, 2, 3, 4, 5, 6, 8, 10, 15, 20, 25, 30 amp. sizes.

Shipping weight 4 oz.

L12375—Tin of 5 (any one size). **Your Cost..... 14c**

Per 100..... **\$2.70**

## Machine and Wood Screw Assortments

Each assortment contains 85 steel 6/32 screws assorted as follows:

30—3/8"	10—3/4"
20—1/2"	10—1"
15—5/8"	

Round, Flat or Oval Heads

P14835—Round Head

P14836—Flat Head

P14837—Oval Head

**Your Cost Either Kind..... 25c**

**100 Piece Screw Assortment**

Contains 100 assorted round head machine screws, nuts and washers, size 6/32.

P14847—**Your Cost..... 27c**

**Wood Screw Assortment**

Contains 85 nickel plated round, oval and flat head wood screws, assorted sizes. Shipping weight 1 lb.

P14833—**Your Cost..... 25c**

### Complete Hardware for Shortwave and Radio Receivers

This assortment is composed of machine screws, wood screws, hex nuts, brass washers, fibre washers, rubber grommets, terminal lugs, screen grid caps, fibre pieces and fibre bushings. Approximately 225 pieces to the box. Shipping weight 1 lb.

P14803—**Your Cost Each..... 95c**

### Handy Hardware Assortment

**45c**

2 lb. Kit

A big assortment for the service man. Over 1200 assorted screws, nuts, washers, eyelets, lugs, brackets, etc. (3 3/4 pounds). Something of everything in the way of these small parts used in the radio receiver. An indispensable and economical assortment that no service man can afford to be without. Shipping weight 5 lbs.

P14834—**Your Cost..... 70c**

Same as above, but contains 2 lbs. of hardware. Shipping weight 3 lbs.

**Your Cost..... 45c**

### Fibre Washers

A handy assortment for the service kit. Contains various sizes of best shouldered and plain fibre washers in cardboard box. 100 pieces. Shipping weight 8 oz.

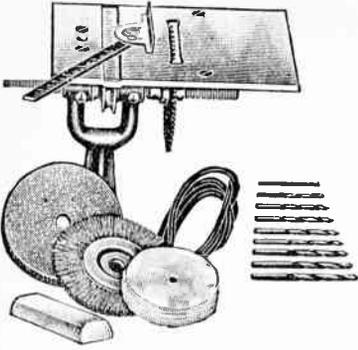
P14832—**Your Cost Per Box..... 25c**

### Angle Bracket Assortment

Contains 28 of the most popular angles and brackets used on the average radio set. Solid brass neatly nickel plated. A very handy assortment that no service man should be without. Shipping weight 1 lb.

P14838—**Your Cost Each..... 25c**

## 17 Piece POLISHING HEAD OUTFIT



Set consists of a polishing head with 3 jaw chuck holding drills up to 1/4 in., 4-in. circular saw, saw table complete with guide, size 8x8 in., 5 ft. of round belt, buffing compound, 4-in. wire brush, 3-in. cotton buffer, 1/2 in. by 4-in. grinding wheel and set of 9 twist drills, size 1/8 to 3/16 in. Polishing head has two speed pulleys. An ideal small outfit for home shop or garage. No one who works with tools should be without this set. Shpg. Wt., 8 lbs.

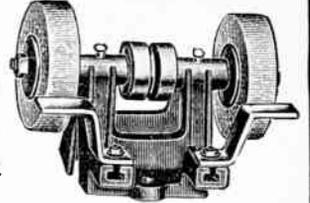
P14746—List, \$6.50. **\$3.10**  
Your Cost Complete.....

# GOOD TOOLS PRICED LOW

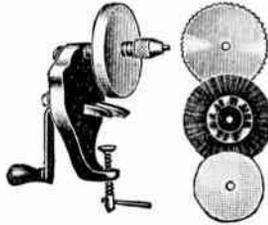
## DOUBLE BENCH GRINDER

Cast frame finished in red enamel with 3 mounting holes. 1 3/4 in. bearings with spring cover oil cups. Shaft 1/2 in. in diameter x 8 1/2 ins. long. Pulley 1 1/2 ins. in diameter for round or flat belts. Wheels 4 ins. in diameter and 1 in. wide. Each wheel has separate adjustable guide. Shpg. Wt., 10 lbs. **\$2.69**

2P14738—List, \$5.00. Your Cost.....

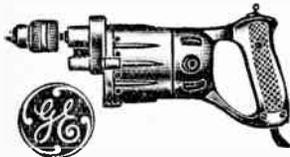


## G. M. CO. COMBINATION BENCH OUTFIT



A complete clamp-to-bench outfit with a 10 to 1 gear ratio consisting of a grinding wheel, 4 ins. in diameter and 1/2 in. wide, steel chuck for twist drills up to 1/4 in., 4 in. circular saw, 4 in. buffing wheel and wire brush. This outfit has a great number of uses around the home and workshop. Sharpens knives, drills; cuts radio panels, tubing and wood; drills holes in chassis and panels; buffs radio knobs, silverware and has many other uses. Vise handle bench clamp will fit all size tables up to 1 1/2 ins. in thickness. Adjustable steel grinding and polishing guide. Has 2-in. spindle bearing with oil fitting at top. Body finished in red enamel. All working parts polished. Shpg. Wt., 8 lbs. **\$1.95**

2P14744—List, \$4.00. Your Cost.....



## G. M. CO. ELECTRIC HAND DRILL

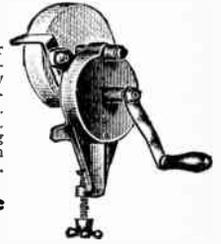
A sturdy 1/4-in. hand drill with GENERAL ELECTRIC A.C.-D.C. MOTOR and BALL THRUST BEARING in spindle. Special anti-friction bearing on armature shaft. Genuine Almond 3 jaw geared chuck. Has toggle switch on top of pistol grip. Complete with 9 feet of heavy rubber-covered cable and plug. This tool will stand the "gaff" of heavy use and should not be confused with cheap, light hand drills. Shipping weight, 10 lbs. **\$14.85**

easily operated with thumb. **\$14.85**  
P14726—List, \$25.00. Your Cost, Each.....

## Bench Grinder

A dependable clamp-to-bench grinder which will be very useful in the workshop, home and garage. Will fit any bench up to 1 1/2 ins. in thickness. Grinding wheel is 4 ins. in diameter and 1 in. wide. Adjustable steel grinding guide. Has dirt proof gear case with extra long bearing which assures gears being in alignment and a true running wheel. Shpg. Wt., 6 lbs. **85¢**

2P14729—List, \$2.00. Your Cost.....



## TWO SPEED BREAST DRILL



A sturdy tool made to stand the gaff of heavy duty. Two speeds changed instantly by removing a thumb nut and moving driving wheel. Closely machined gears. Large handles for firm and comfortable grip. Three jaw chuck takes all round shank drills up to 1/2 in. Gear ratios 1:3 and 1:5. Length overall 17 ins.

Shpg. Wt., 8 lbs. **\$2.10**  
2P14993—Your Cost Each.....

## AUTOMATIC FEED BENCH DRILLS

**Small Size**  
1/4" Chuck  
The finest tool for the money we have ever offered. Feed is entirely automatic, self adjusting to the cutting speed by means tension screw. Clutch maintains a drilling pressure just sufficient for maximum drilling speed without breaking bit. All working parts suspended on polished rod which allows drill to be raised or lowered. 1/4 in. chuck. Overall height 9 3/4 ins. This is a finely finished and efficient tool we recommend to all radio men. Shpg. Wt., 7 lbs. **\$1.65**



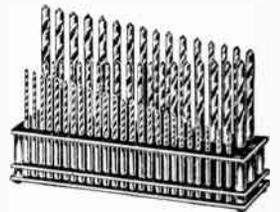
P14913—Your Cost, Each.....

## Larger Size

3/8" Chuck  
This heavy-duty Bench Drill is identical with the smaller Drill except that it has an overall height of 13 1/4 ins. and a 3/8 in. chuck. Recommended for use in shops where heavier materials must be worked. Clutch engages wheel at top which rotates when pressure on drill becomes too great. This compensating feature not only insures maximum drilling speed but also protects drills. A screw permits adjustment for working on various kinds of stock. Shipping weight, 10 lbs. **\$3.25**

P14914—Your Cost.....

## Carbon Twist Drills



Used in hand, automatic or breast drills. Set of 60; wire gauge sizes; with wire gauge drill block. Shpg. Wt., 9 lbs. **\$2.49**  
P14706—Your Cost.....  
Set of 1 to 60 Drills only. Shpg. Wt., 3 lbs. **\$1.59**  
P14707—Your Cost.....  
DRILL BLOCK, durably made. Non-corrosive metal; dull nickel finish. Block holes drilled and reamed, not punched. Shpg. Wt., 6 lbs. **95¢**  
P14708—Your Cost.....  
ASSORTMENT 9 Drills; sizes 1/8 in. to 3/8 in. Good steel; fast cutting. In wood box. Shpg. Wt., 2 lbs. **33¢**  
P14709—Your Cost.....  
SAME assortment; paper wrapped. **29¢**  
P14710—Your Cost.....

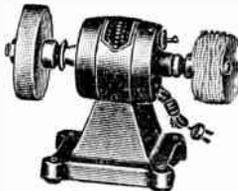
## G. M. Co. Hand Drills



Finely machined hand drills with 3/8-inch hardened chuck jaws. Accurately meshed gears. Polished hollow handle for storing drills. A much needed tool on the radio work bench. Shpg. Wt., 2 lbs. **79¢**

P14723—With side knob. **79¢**  
List, \$2.00. Your Cost.....

P14724—Without side knob. **59¢**  
List, \$1.50. Your Cost.....



## MOTOR DRIVEN BUFFER AND GRINDER

Not a toy, but a real electric motor driven buffer and grinder for the workshop with a pulley on each end of motor shaft for driving other apparatus. High speed 1/50 h.p. motor, revolves 5000 R.P.M. On and off toggle switch on end of motor. Does work in a few minutes that otherwise would take several hours. Grinds, sharpens, polishes and drives other tools. Mounted on a strong cast base with four mounting holes. Complete with high grade grinding wheel, buffer and two pulleys. Equipped with durable cord and attachment plug. Shpg. Wt., 9 lbs.

2P14872—List, \$12.00. Your Cost.....

**\$6.95** NET

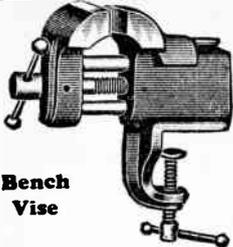
## Tinner's Snips



Drop-forged. 7 in. long. 2-in. blade. Polished blade, red enameled handle. Shpg. Wt., 1 lb. **49¢**

P14920—Your Cost.....

# Vises—Soldering Irons—Hack Saws—Torches



**Bench Vise**

A very serviceable vise for the Radio man. Good steel, carefully machined. Finished in red enamel with highly polished jaws and handle. Accurately cut spindle thread. Equipped with vise type clamping handle. Will clamp to board or bench up to 2" thick. Has anvil behind jaw. Made in two sizes.

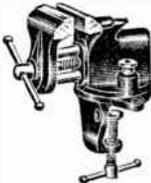
**P14727**—Jaws, 2½" wide. Shipping weight 7 lbs. **List \$2.00—Your Cost..... 89¢**

**P14728**—Jaws, 3½" wide. Shipping weight 10 lbs. **List \$3.00—Your Cost..... \$1.39**

**Swivel Vise**

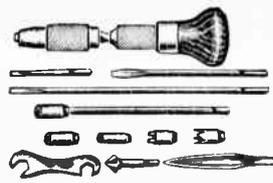
Unequaled for the Home, Garage, or Farm. Different swivel positions are easily obtained by the action of aspirating plunger. Gray Iron, fine grain. Jaws are accurately machined, polished and lacquered. Screw parts nickel-plated. Jaws open 2½", and have double steel guide rods. Fitted with adjustable clamp. Base finished in Black Japan, and body with Red Baking Enamel. Width of jaws 2½". Shipping weight 7 lbs.

**P14705**—List \$2.75 **\$1.25**  
**Your Cost**



**Goodell-Pratt Radio Tool Set**

A very high quality set of tools for the radio man. Every tool finely finished and thoroughly dependable. Set consists of: A ratchet tool holder that may be adjusted for either right or left hand motion by a quarter turn of knurled collar, 3 screwdriver blades sizes 8½x½", 4½x¾" and 2x¾"; one 6" shank for holding sockets, three hex sockets—¾, ⅝ and ⅜"; one wire bender for bus wire, one reamer and one double end hex wrench. Shipping weight 1½ lbs.



**P14995**—**Your Cost complete \$2.95**

**Jackson Electric Soldering Irons**



This is a full size soldering iron. 11" in length. Black enamel handle and nickel plated metal case. Removable tip ⅜" in diameter. 50 watt iron. Shipping weight 2 lbs.

**P14850**—List \$1.25 **59¢**  
**Your Cost**



A 75 watt soldering iron of exceptional value. Length of iron 12" with ⅜" removable tip. Nickel plated case and black enamel handle. Shipping weight 2 lbs.

**P14851**—List \$2.50 **\$1.15**  
**Your Cost**



**Heavy Duty Irons**

Extra heavy irons designed especially for industrial or shop use. Heating element and all parts are renewable. Tip removable. Metal parts nickel plated. Extra large handle. Shipping weight 2 lbs.

**P14874**—75 Watt **\$1.45**  
**List \$2.75—Your Cost**

**P14853**—100 Watt **\$1.95**  
**List \$3.75—Your Cost**



**220-Volt Irons**

This thoroughly reliable 75 watt iron designed for use on 220 volt A. C. Element is wound on amber, with mica and steel core. Metal parts are nickel plated. Extra large black enameled handle. Complete with heavy duty cord and plug. Shipping weight 2 lbs.

**P14852**—List \$3.00 **\$1.50**  
**Your Cost Each**

**Hack Saws**



**P14994**  
**Your Cost 21¢**  
**Cost**

Nickel plated frame. Adjustable 8 to 12" complete with one 8" blade. Shipping weight 2 lbs.



**Pistol Grip**

**P148995**  
**Your Cost 35¢**  
**Cost**

For blades up to 12". Enameled wood handle. Complete with one 8" blade. Shipping weight 2½ lbs.

**Hacksaw Blades**

Made of Tungsteel. Strictly first quality. Very flexible. Fast cutting and long lived. Fully guaranteed. Shipping weight 1 lb.

**P14965**—8" per Doz. **25¢**  
**P14966**—10" per Doz. **29¢**  
**P14967**—12" per Doz. **33¢**



**Esico "Midget"**

The finest 65 watt iron on the market. Accurately machined tip which perfectly fits the heating element. Tip removable. Fine grade A Nichrome element enclosed in heavy gun metal steel case. Element removable. Hardwood handle, walnut finished and varnished. Complete with cord and plug. Shipping weight 2 lbs.

**P14848**—**\$1.30**  
**Your Cost**



**"Our Special"**

Unquestionably the finest low priced Electric Soldering Iron on the market. The heating element is of finest Nichrome wire and is constructed in identically the same manner as most high-priced irons. This tool has two tips of different sizes which makes it especially suitable for the Radio Man's requirements. Polished steel shank, brass Ferrule, black wood handle and full length cord and plug. Consumes 55 watts. Shipping weight 3 lbs.

**P14849**—**79¢**  
**Our Special Price**



**"American Beauty"**

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 12½". Full 100 watt rating. Complete with ¾" tip and cord. Shipping weight 3 lbs.

**P14855**—**\$5.50**  
**Your Cost Each**

A smaller "American Beauty" with straight metal case for ease in soldering in corners and tight places. Consumes 50 watts; ⅜" tip. Shipping weight 2 lbs. **\$3.25**

**P14856** **Your Cost Each**



**Esico "Junior"**

A beautiful craftsman's tool. Extensively used in the United States Navy. Perfect fitting replaceable tips. Grade "A" Nichrome resistance wire heating element, wound on lava insulation and encased in blue steel one piece case. Very quick heating. Maintains constant and even temperature. Handle will never get hot. A quality tool built for years of service. Consumes 85 watts. Shipping weight 2 lbs. List \$2.75

**P14854**—**Your Cost Each..... \$1.90**

**Power Sprayer**

This compact Power Sprayer is made to operate from the spark plug of any automobile or auto-truck. Is especially suitable for use in paint shops, garages, general repair work, and all shops requiring a compact sprayer, of this size and type. It will spray lacquer, paint, varnish, shellac, insecticide, in fact any other finely mixed freely flowing mixture or fluid. Is furnished complete with sprayer, pint jar container, spark plug air check valve, compression tank, a set of adapters for all sizes of sparkplugs, and 12 feet air hose. Shipping weight 11 lbs. **\$3.25**

**P14704**—List \$7.50—**Your Cost Complete..... \$3.25**

**Handy Sprayer**



Ideal for touch-up or complete job with light paint, Duco or Lacquer. Air pressure supplied by any automobile tire. Complete with glass jar, 6 ft. of hose, and adjustable spray tip. Designed to operate perfectly with very low pressure, will spray approximately four jars from one tire containing 35 lbs pressure. Shipping weight 5 lbs.

**P14705**—List, Complete **\$1.25**  
**Your Cost** **69¢**

**Lenk Torches (Automatic)**

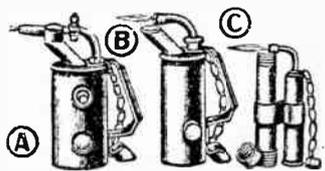
These alcohol torches are a big favorite with the Radio Man because of their neatness, efficiency and ease of operation. Made of brass nickel plated, highly polished. Entirely automatic.

**Type A:** Double burner, one for needle point flame, add the attachment for heavy flame. Pressure release valve eliminates sputtering, evaporation and leaks. Cleaning pin in handle. Size 7x4¼x3". Shipping weight 4 lbs. **List \$5.00**

**P14866**—**Your Cost \$2.95**

**Type B:** Almost as large as type A, holds enough fuel to burn 3 hours with one filling. Starts in 20 seconds. Ideal for heating soldering iron where no current is available. Size 7x3¼x2". Shipping weight 3 lbs. **\$1.78**

**P14867**—**Your Cost**



**Type C:** A very handy little torch for the tool box. Solid base makes it mechanically leak proof. Screw cap makes loading easy. Nozzle cap prevents evaporation. Copper heat conductor generates quickly. Size 6¼x2½x1¼". Shipping weight 2 lbs. **List \$1.50**

**P14868**—**Your Cost..... 88¢**

**Type D:** (not illustrated) Same in appearance as Type C; smaller in size. Very suitable for those who have only occasional use for a torch. Size 5¼x2½x1". Shipping weight 2 lbs. **List \$1.00**

**P14869**—**Your Cost Each..... 59¢**

## Genuine

Mr. Service Man: You owe it to yourself to own at least two good pairs of Pliers—Diagonal Cutting and Long Nose. In offering these Genuine Krauter Pliers to our Customers we guarantee them to be the finest that money can buy—they are the kind that last a lifetime and their quality will be remembered long after the price has been forgotten. Shipping weight 1 lb.



## Pliers

**DIAGONAL CUTTING**  
Cutting jaws of this Plier come together perfectly. "They cut the insulation as well as the wire."  
Length 5½".  
P14944—**\$1.20**  
Per Pair

**LONG NOSE**  
A truly fine tool with a side cutting blade that is sharp, and will stay so.  
Length 6½".  
P14945—**\$1.60**  
Per Pair

## Krauter Linemen's Pliers

Of special alloy steel—drop forged, these are made to meet the demand for a linemen's plier surpassing any other ever produced. It is perfect in finish, workmanship and material. Length 8½". Shipping weight 2 lbs.  
P15075—Your Cost.....**\$2.95**



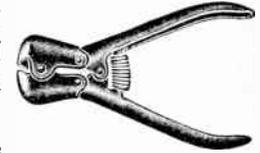
## Krauter Long Fine Needle Nose Pliers

Furnished with an extra long finely tempered nose, for reaching into difficult places. Length 6". Shipping weight 1 lb.  
P14576—Your Cost Per Pair.....**\$1.25**



## End Cutting Nippers

A very fine tool especially built to cut wire, small screws and nails, in tight places. Hardened jaws. Very essential in every kit. Shipping weight 1 lb.  
P14577—Your Cost Per Pair.....**\$0.37**



## Socket Wrench Set

Made of Cadmium plated steel. Contains one each of the following sockets: ¼", ⅜", ½", ⅝", ¾", 1", 1½". Complete with wrench, and metal container. Shipping weight 2½ lbs.  
P15080—Your Cost.....**\$3.95**



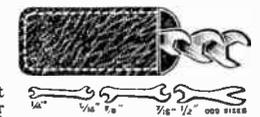
## Wrench Set

Here's a handy little item for your tool kit. 10 in 1 slot-lock wrench set that will take all medium size nuts in general use, either square or hex. When wrench is not in use they are locked in compact bundle by the handy clip. Shipping weight 1 lb.  
P14732—List 70c Net.....**\$3.50**



## End Wrench Set

A handy pocket set for repair men, auto and radio mechanics, electricians, etc. Ideal for adjusting nuts in small spaces. Set consists of 3 double end wrenches and genuine leather case. Sizes are: ¼", ⅜", ½", ⅝", ¾", 1", 1½". Shipping weight 8 oz.  
P15081—Your Cost.....**\$1.50**



## Quick Return Ratchet

Ideal for drawing or driving screws that are hard to get at. When pressure on the handle is released, it automatically returns to the extended position, ready for the next stroke. Bits have new type panel non-skid points. Tempered, toughened, fully polished and twice tested. Complete with 3 bits. Shipping weight 1 lb.  
P15063—Your Cost Per Set.....**\$2.35**



## Household Scales

No home should be without a scale—here are three very inexpensive ones which are accurate. Steel spring and indicator. Brass face. Japanese body. Complete with ring and hook. Shipping weight 1 lb. Capacity 25 lbs.  
P14983—Each.....**9c**  
Capacity 40 lbs.  
P14984—Each.....**13c**  
Capacity 50 lbs.  
P14985—Each.....**19c**



## Pexto Lineman Pliers

A very heavy tool, hardened jaws and cutters. Length, 8". Shipping weight 2 lbs.  
P14959—**75c**  
Each



## Slip Joint Pliers

Drop forged steel, bright finish. A good side cutting jaw that will cut the insulation as well as the wire. Corrugated opening for handling nuts. Slip joint for various sizes. Length 6½". Shipping weight 1 lb.  
P14958—Your Cost Each.....**35c**



## Genuine Bernard Pliers

High powered side cutting pliers with open throat. Can also be used as gas pliers. Length 5½". Shipping weight 1 lb.  
P14960—Your Cost.....**49c**



Parallel jaw pliers. Inside jaws are corrugated with a center groove to hold all round objects, such as drills, brads, screws, etc. Shipping weight 1 lb.  
P14961—Length 5" Your Cost.....**49c**  
P14962—Length 7" Your Cost.....**49c**



These round nose pliers are very handy for forming loops in wire, bus bar and light metal. Shipping weight 1 lb.  
P14963—Length 5" Your Cost.....**49c**  
P14964—Length 6" Your Cost.....**49c**



## Parallel Action Cutting Pliers

A high grade nickel plated, parallel action Plier with external cutting jaw. Great leverage arrangement permits cutting of hard wire with comparatively little pressure. Length 5". Shipping weight 1 lb.  
P14894—Your Cost Each.....**69c**

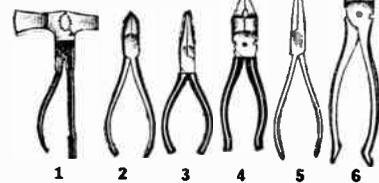


## Radio Tool Set

Contains ten practical tools which are in most general use for radio servicing—3" screwdriver, 5" screwdriver, scriber, reamer, countersink, pliers, center-punch, socket wrench set for hex and knurled nuts, and 3 wrenches for hex nuts. Packed in attractive box. Shipping weight 2 lbs. List \$3.00.  
P14908—Your Cost.....**\$1.95**



## Combination Tool and Pliers



**NO. 1**—A combination tool consisting of two tooth jaws for gripping round objects, two wire cutters, hammer, hatchet, tack puller and screw driver. A handy tool around the home and workshop. Shipping weight 1 lb.  
P14924—List \$1.00. Your Cost.....**35c**

**NO. 2**—Diagonal cutting pliers of drop forged steel, fully polished. Case hardened jaws. Length 5½". Shipping weight 1 lb.  
P14925—List \$0.75. Your Cost.....**35c**

**NO. 3**—Telephone pliers. Length 5½", long nose with side cutter. Drop forged steel with case hardened jaws, fully polished. Shipping weight 1 lb.  
P14926—List \$0.75. Your Cost.....**35c**

**NO. 4**—Combination pliers with 5000 volt insulated handle. A very fine pair of pliers of high grade material and workmanship. Length 6½". Shipping weight 1 lb.  
P14927—List \$0.90. Your Cost.....**42c**

**NO. 5** Genuine Pexto extra long reach, flat nose pliers with lap joint. Length 6½". A handy tool for reaching deep, narrow places. Shipping weight 1 lb.  
P14928—List \$1.00. Your Cost.....**49c**

**NO. 6**—Combined side cutting and burners pliers, fully polished. Length 8". For mechanics, plumbers and gas fitters. It has three wire cutters and the handles can be used as screw driver and reamer respectively. Shipping weight 1 lb.  
P14929—List \$1.00. Your Cost.....**49c**

## Official Scout Axe



Selected by the Boy Scouts of America, as official because its design, hardness, quality of steel, heat treatment, and composition makes it one of the finest hand axes ever made. The head cannot come off, and the handle cannot loosen or break. It is a strong, safe, keen cutting axe, and the inlaid second growth hickory scales give perfect grip. Absolutely guaranteed. Shipping weight 3 lbs.  
P15070—Your Cost.....**\$1.25**

## Can't-Rol Center Punch

Made of exceptionally tough, swaged Carbon Steel. Heads and points are polished and the grip is knurled. ½" point.  
P14999—Your Cost Each.....**10c**



## Radio Reamer

The handiest tool for reaming holes in radio panels, wood, light metals, etc. Length of blade 4". Will ream holes from ⅛" to ⅜". Shipping weight 8 oz.  
P15065—Your Cost Each.....**15c**



# Screw Drivers, Push Drills & Wrenches

**Holds, Starts, Sets any Size Screw**



**Tool Steel Blade Long Maple Handle**

The most practical Screw Driver ever developed. Has gripper which automatically stays at any point on shank. May be used for screw gripping screw driver to start screws in all difficult places, or may be used as ordinary screw driver. Made of finest material; each blade, specially tempered entire length, of springy hexagon tool steel. Hard maple handle of good length. Slender type for radio work. Shipping weight 1 lb.

**P14721**—Blade 4x $\frac{1}{2}$ " . List 50c

**Your Cost Each**

**P14722**—Blade 10x $\frac{3}{8}$ " . List 60c

**Your Cost Each**

**33c**

**39c**

## Radio Screw Drivers

Assortment of three different sizes



One dozen Screw Drivers put up on counter display card in equally assorted blade lengths of 1", 2" and 3". Black handle with nickel plated blade and ferrule. Blade is carefully hardened and tempered. Shipping weight 2 lbs.

**P14740**—Per Card of 12. List \$1.20

**Your Cost**

**P14741**—Set of 3, Assorted sizes. Shipping weight 8 ozs. List \$0.30

**Your Cost**

**49c**

**15c**

## Screw Holding Screw Driver



This Screw Driver is a necessity for every one who uses tools. For use in inaccessible places where the ordinary screw driver cannot be used effectively in inserting or extracting screws. Made of tempered tool steel. Some of its advantages are: It holds screw tight while using; prevents loss of screw; indispensable in assembling and is the only screw driver having the automatic release. Handle is insulated, enabling it to be used safely in electrical work. Grippers are of blued spring steel. Shipping weight 2 lbs.

**P15061**—8" long

**Your Cost**

**P15062**—10" long

**Your Cost**

**75c**

**95c**



## Ratchet Screw Driver

Tool steel blade. Nickel plated ferrule, hardwood handle. Has 3 position ratchet adjustment that allows operation to right or left or holds blade rigid. Shipping weight 1 lb.

Stock No.	Blade Length	Net
<b>P14969</b>	3"	45c
<b>P14970</b>	5"	50c



## All Steel Set

This set will stand the hardest usage. Five interchangeable sockets:  $\frac{1}{8}$ ",  $\frac{3}{16}$ ",  $\frac{1}{4}$ ",  $\frac{5}{16}$ " and screw driver bit. Cadmium plated. Knurled handle. Sockets easy to remove, yet will not loosen while working. Shipping weight 1 lb.

**P14749**—Your Cost **45c**



## Goodell-Pratt

Set consists of handle with polished steel part and mahogany finished grip, 3 hex. sockets, size  $\frac{3}{8}$ ",  $\frac{5}{16}$ " and  $\frac{1}{4}$ "; and a four jaw socket for handling knurled nuts. Metal parts of case hardened steel. Sockets slip on easily and are held firm by means of an improved catch. Shipping weight 1 lb.

**P15049**—Your Cost Per Set **75c**



## Goodell-Pratt Radio Screw Driver

Sometimes known as a Jewelers' screw driver. Has long slender blade especially suitable for radio work. Small enough at end to use for removing set screws from radio knobs. Hammer forged blade, nickel ferrule. Hardwood handle. Length of blade 3". A very fine quality tool throughout. Shipping weight 8 ozs.

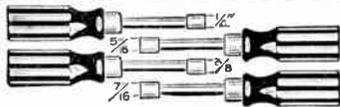
**P14949**—Your Cost Each **29c**



## Service Screw Driver

A low priced and very popular Screw-Driver, with polished blade and attractively finished red handle fastened with bead lock. Blade of forged steel. Shipping weight 1 lb.

**P15056**—Three inch blade.  
**P15055**—Five inch blade.  
**Your Cost** Either Type **10c**



## Spin Type Socket Wrenches

Featuring hollow shank to take up to No. 10 screw. Hardened steel; wood handle. Sizes below. Shipping weight 1 lb.

**P15050**—For set of 4, 42c.  
**P15051**—For  $\frac{1}{4}$ " hex. nuts. **P15052**—For  $\frac{3}{16}$ " hex. nuts. **Either Type**  
**P15053**—For  $\frac{3}{8}$ " hex. nuts. **P15054**—For  $\frac{1}{2}$ " hex. nuts. **Your Cost** **12c**



## Alligator Wrench

Drop forged steel. For square or hex. nuts  $\frac{1}{4}$ " to  $1\frac{1}{2}$ ". Has three die openings in center, sizes  $\frac{3}{8}$ ",  $\frac{1}{2}$ " and  $\frac{3}{4}$ ". Length 8". Shipping weight  $1\frac{1}{2}$  lbs.

**P14937**—Your Cost Each **49c**



## Screw Driver Bits

Round shank for  $\frac{1}{4}$ " chucks. 3 blades to set:  $\frac{3}{16}$ ",  $\frac{1}{4}$ ",  $\frac{1}{2}$ ". Shipping weight 8 ozs.

**P14946**—Your Cost **39c**



## Ratchet Screw Driver

A heavy duty tool, with reversing and locking adjustment. Best quality steel; nickel plated. Mahogany finished hardwood handle. Has two blades different in size. Shipping weight 2 lbs.

**P14742**—Your Cost **\$1.59**



## Trutest Ratchet Screw Driver

May be used as Ratchet Screw Driver to drive screws or locked and used as regular screw driver to drive and draw screws. Mahogany finished hardwood handle. Polished metal parts. Length over all 9". Shipping weight 2 lbs.

**P14719**—Your Cost Each **33c**



## Crescent Pattern Wrench

Angle head and thin jaws. Takes square or hex. nuts. Length 6". Opens to  $\frac{3}{4}$ ". Forged tool steel, polished jaws. Shipping weight 1 lb.

**P14957**—Your Cost **31c**



## Countersinks

Made of tool steel hardened and tempered. (\*) Round shank, others square shank. Shipping weight 8 ozs.

Stock No.	Dia.	Cut	Your Cost
<b>P14916</b>	$\frac{1}{4}$ "		<b>Each 14c</b>
<b>P14917</b>	$\frac{3}{8}$ "		
<b>P14918</b>	$\frac{1}{2}$ "		
<b>P14919</b>	$\frac{3}{4}$ "		



## Goodell-Pratt Ratchet Screw Driver

Can be used as automatic Screw Driver or the ratchet can be locked, for use as plain screw driver. Simple in construction but strong and durable. The handle is lacquered hardwood, polished steel parts. Supplied with two interchangeable blades, hardened, tempered and polished. Length closed without blade,  $9\frac{1}{2}$ ". Shipping weight 2 lbs.

**P14720**—Your Cost Each **85c**



## Automatic Push Drill

Made of best quality steel, fully hardened and nickel plated. Extra heavy spring, released by turn of knob at top of handle. Handle contains 8 drill points sizes  $\frac{1}{16}$ " to  $\frac{1}{4}$ " each in a separate compartment. Shipping weight 2 lbs.

**P14930**—List \$2.50 **Your Cost** **\$1.15**



## "Stix-on" Wrench

A patented wrench that fits all nuts from  $\frac{3}{8}$ " to  $1\frac{1}{4}$ ". Jaw swings open to take nut, pressure on handle produces vice-like grip. Tempered steel construction. Shipping weight 1 lb.

**P14936**—Each **15c**

## Electricians Screwdriver



Simply constructed, but strong and durable. This is an exceptionally good screw-driver for the price quoted.

Slender polished blade with forged point, hardened and tempered. Nickel plated ferrule; Electrician's style handle; length of blade 6". Shipping weight 1 lb.

**P15059**—Your Cost Each **12c**

## Baby Shockless Screw Driver



**P15057**—Set of 3; 1 of each.

**Your Cost Per Set of 3**

Made with a special handle, 2" long, which gives a perfect grip and complete protection against electrical shock. Blade of tempered steel cannot loosen or turn in the handle. Shipping weight 2 lbs.

**P15058**—Complete Card of: Four  $1\frac{1}{2}$ " screw-drivers. Four 2" screw-drivers. Four 3" screw-drivers. **Your Cost** **85c**

**Card of 12** **25c**

## Shockless Screw Driver



A popular priced insulated handle Screw Driver for electrical, household and automotive work. Handle and Ferrule are moulded in one piece of Black and Red Composition. Blade is nickel plated and have straight side point. 6" long. Shipping weight 1 lb.

**P15060**—Your Cost **10c**



### 6 ft. Folding Rule

Made of boxwood, finished in yellow enamel. Metal bound. Length 6 ft. Shipping weight 8 oz.  
**P14975—Your Cost . . . . . 10¢**

### Steel Folding Rule

Non-rusting, light weight, non-breakable. Length 6 ft., divided in  $\frac{1}{16}$ ". Big numerals, deep etched. Shipping weight 1 lb.

**P14968—Your Cost Each**

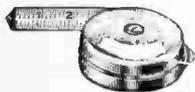
**55¢**



### 6 ft. Automatic Steel Tape

This automatic tape is made of a special rigid-flexible steel; enclosed in solid brass case; fully nickel plated. Figures clearly etched on tape. Push-button controlled spring recoil. Dependable and is guaranteed accurate. Shipping weight 2 lbs.

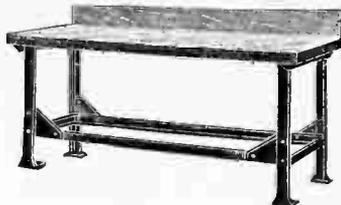
**P14974—Your Cost Each . . . . . 79¢**



### 'Lamco' Work Bench

**Strongly Built**

**for Garage Factory, Shop or Home Use**



Sub-structure made of  $1\frac{1}{2} \times \frac{1}{2}$ " Angle-Iron securely arc welded for rigidity. Stringers are inverted to allow for nesting in of lower shelf. Fastener plates at corners for additional firmness. Slotted top rest for anchoring to floor. Top made of 2" kiln-dried Douglas Fir, vertical grain. Size 24x60" top; 31 inches high. Delivered knocked down. Shipping weight 80 lbs.

**P14942—Your Cost Each . . . . . \$9.95**

### Ratchet Brace and Bit outfit

Steel brace fully nickel plated with wood knob and handle, finished in mahogany. Has 10" sweep, round knurled alligator jaw chuck with spring. Equipped with ring ratchet adjustment. Complete set of 6 James Swan auger bits in a convenient wooden box with slide cover. Finest quality steel bits in the following sizes,  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ " and  $\frac{3}{4}$ ". Ratchet brace with above set of bits. Shipping weight 6 lbs.

**P14735—List \$4.75**

**\$2.59**

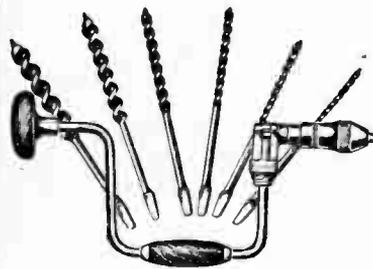
**Your Cost**

Ratchet brace only. Shipping weight 4 lbs.

**P14736—List \$2.00**

**\$1.10**

**Your Cost**



### Wood Chisel Set

Beveled edges, honed ready to use.  $3\frac{3}{4}$ " blades. Leather tipped hickory handles. Set of four chisels. Sizes:  $\frac{1}{4}$ ",  $\frac{1}{2}$ ",  $\frac{3}{4}$ " and 1". Shipping weight 2 lbs.

**P14982—Per Set of 4.**

**Your Cost**

**69¢**

### Block Plane

A 7" plane with hardened and tempered steel cutter  $1\frac{1}{8}$ " wide. Adjustable cutter. A real value. Shipping weight 3 lbs.

**P14730—List \$1.25**

**Your Cost**

**55¢**



### Pocket Level

Guaranteed accurate. Non-freezing liquid.

Nickel plated. Length  $2\frac{3}{8}$ ". Shipping weight 8 oz.

**P14981—Your Cost Each . . . . . 10¢**



### James Swan Auger Bits

Forged of the highest quality tool steel; bright finish. Bore fast and clean without binding. Double cutters, deep spur. Six bits to set. Sizes:  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ " and  $\frac{3}{4}$ ". Wood box. Shipping weight 3 lbs.

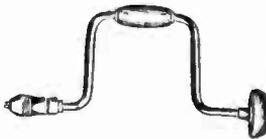
**P14737—Your Cost . . . . . \$1.59**

### Economy Brace

Round knurled alligator chuck with heavy spring. Wooden knob and handle, finished in mahogany. All steel parts fully polished. Has 10" sweep. Shipping weight 3 lbs.

**P14739—List \$1.00**

**Your Cost**



**55¢**



### Cold Chisel and Punch Set

Best grade tool steel, machine finish. Set consists of 1  $\frac{1}{4}$ " and 1  $\frac{3}{8}$ " Cold Chisel, 2 Punches and 1 Center Punch. Shipping weight 2 lbs.

**P14980—Your Cost . . . . . 33¢**

### Ratchet Gimlet

Case hardened steel. Drop forged. Will not rust. Blades interchangeable. Comes equipped with  $\frac{13}{16}$ " blade.

**P14986—Your Cost . . . . . 21¢**

### Extra Blades

Three.  $\frac{1}{16}$ ",  $\frac{3}{16}$ " and  $\frac{1}{8}$ ". Set of

**P14987—Your Cost,**

**Per Set . . . . . 10¢**



### Caliper Rule



Measures inside and outside diameters up to 3 inches, calibrated in  $\frac{1}{16}$  and  $\frac{1}{32}$  part of an inch. Has knurled locknut. Shipping weight 8 oz.

**P14891—Your Cost . . . . . 10¢**

### Precision Micrometer

$1 \times 1000$ ths of an inch. Frameshows decimal equivalents of 8ths, 16ths, 32nds and 64ths of an inch. Micrometer has lock nuts which clamp the spindle. Also a ratchet stop. A spanner wrench for adjusting micrometer to take up wear of tool is included. Each micrometer in attractive polished wooden case. Shipping weight 2 lbs.

**P15064—Your Cost . . . . . \$3.25**

### Pruning Shears



California pattern. Duco finish. Malleable iron handles. Length,  $8\frac{3}{4}$ ".  $2\frac{1}{2}$ " tool steel blades. Lever catch. Shipping weight 1 lb.

**P14979—Your Cost Each . . . . . 29¢**

### Carpenters' Clamps

Malleable Iron. Used to hold glued joints while setting.

**P14922—1" jaw opening.**

**Each . . . . . 10¢**

**3 For . . . . . 25¢**

**P14923—2" jaw opening.**

**Each . . . . . 15¢**

**3 For . . . . . 39¢**

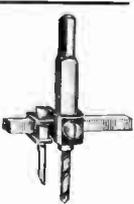
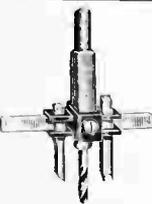


### Adjustable Circle Cutters

Designed for cutting holes of 1 to 4 inches in Bakelite, Hard Rubber, Sheet Iron, Brass, Tin, Wood, Linoleum, Beaver Board, etc. A real tool for the radio mechanic, carpenter, automobile mechanic, and plumber. Used in a breast drill, hand brace or machine. Best quality tempered tool steel, highly polished. Will not creep. Ideal for cutting socket and meter holes, etc.

**P14717**

**P14718**



No. 1. Adjustable Circle Cutter, with a beading cutter attached. Shipping weight 6 lbs.

**P14717—Your Cost . . . . . \$1.95**

**EXTRA CUTTER, for above tools. Shipping weight 1 lb. 25¢**

**P14716—Your Cost Each**

No. 2. Adjustable Circle Cutter only. Shipping weight 5 lbs.

**P14718—Your Cost . . . . . \$1.19**

**EXTRA CUTTER, for above tools. Shipping weight 1 lb. 25¢**

**P14716—Your Cost Each**

### Handy Coil Spring Assortment

This handy assortment contains 100 compression and extension springs, with tensions from 1 oz. to 25 lbs. These springs are most useful in the garage, factory, work-shop, home-crafters, etc. Shipping weight  $3\frac{1}{2}$  lbs.

**P14715—Your Cost Per Set . . . . . \$1.25**



### Steel Letter and Figure Set



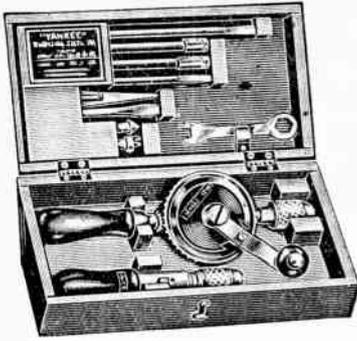
Marks metal, leather, wood, etc. Very handy for marking your tools. Complete alphabet and numerals 0 to 9. Complete with anvil and hammers. Shipping weight 7 lbs.

**P14977—Your Cost**

**\$1.49**

# PRICES REDUCED ON THESE TOOLS

# GARDEN TOOLS



## Yankee Radio Tool Set No. 106

This Combined Tool Set No. 105 and Radio Drill No. 1431 is especially designed for radio work. A beautifully balanced, small, powerful drill, with a 4-to-1 ratio of gears for speed. Special Radio Chuck  $\frac{1}{2}$ " capacity, length  $9\frac{1}{2}$ ". It makes a complete set of all Yankee Radio Tools. With this combination tool set, of the ratchet screw driver and blades, with the Radio Drill, all radio mechanical work can be taken care of, such as driving and withdrawing screws, reaming, nut run ups, drilling, etc. The handsome mahogany finished tool chest in which it comes, has compartments for each tool, so all may be handily kept in order, when not in use. Packed one in cardboard box. Shipping weight 5 lbs.

**P15025—**  
Your Cost..... **\$7.45**

## Yankee Radio Tool Set No. 105

Set contains 1 No. 230 Ratchet Screw Driver ( $6\frac{1}{4}$ " overall) right and left hand and rigid. Blades  $5\frac{1}{2} \times \frac{3}{16}$ " for long reach, between wires, etc. Blades  $3\frac{1}{2} \times \frac{1}{8}$ " for small screws on dials. Blades  $2\frac{1}{2} \times \frac{1}{4}$ " for heavy screws, aerial work, etc. Countersink, for countersinking heads of screws. Sockets (two)  $\frac{1}{4}$ " and  $\frac{3}{16}$ " hex with 4" shank. Covers all small nuts. Reamer for enlarging holes in panel,  $\frac{1}{8}$ " to  $\frac{1}{2}$ ". Wrench, one end  $\frac{3}{16}$ " for square or hex., the other  $\frac{1}{2}$ " hex. for jacks, etc. Wire Bender for making loops and bending wire.

It takes care of all screws; reams and countersinks; runs up nuts, bends and loops wire, and has wrench for jacks and  $\frac{3}{16}$ " hex. or square nuts. A touch on shifter gives right and left ratchet and rigid. Packed one set in box. Shipping weight 1 lb.

**P15026—**  
Your Cost For Complete Set..... **\$2.95**



## Pexto Wing Dividers

Finest forged steel, full polished finish. Thumb screw adjustments. For describing arcs and circles and transferring measurements to and from a steel rule, and a great variety of laying out work. "Pexto" name appears on every tool. Length 12 inches. Shipping weight 2 lb.

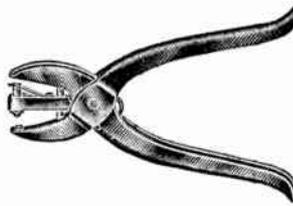
**P15046—**  
Your Cost..... **\$9**



## Rivet-O-Punch

A tool of a thousand uses. For making solderless lugs in electrical work. A very handy tool for the radio mechanic, especially in lay-out work. Also used for making holes in leather, fibre, paper, or canvas. Of pressed steel, designed especially for strength. Useful where many sheets are to be fastened into one compact file, also samples and inserts to letters. Indispensable in the shop, home or office. Furnished complete with a box of brass eyelets. Shipping weight 1 lb.

**P15046—List Price \$2.00**  
Your Cost Each..... **\$9**



## G. M. Co. Spark Plug

Perfection in workmanship and the finest materials obtainable are combined in this Hy-Ten Insulator Plug. Especially adapted to high compression motors. Manganese electrode and firing pins are adjusted and set for quick starting and better performance under all conditions. A wider range of service in hot or cold motor with an absolute guarantee of satisfaction. Available in four sizes to service all passenger cars, and most trucks, tractors and airplanes. Shipping weight 8 oz. each.

**P15146—** $\frac{1}{2}$ " Thr. No. 3—1" Hex.  
**P15147—** $\frac{1}{2}$ " Pipe Thr. No. 7—1" Hex.  
**P15148—**Metric. No. 9—1" Hex.  
**P15149—** $\frac{1}{2}$ " Thr. No. 11— $1\frac{1}{4}$ " Hex.

Your Cost Each..... **\$3**  
Set of Six..... **\$2.00**

## Extension Strap



Genuine Leather with Buckle Net **25**

U. S. Army genuine leather luggage strap, with new double prong double grip buckle. For luggage carriers on cars, salesmen's cases, trunks, and many other uses. Made to sell at much higher price. Shipping weight 1 lb.

**P15047—**  
Your Cost Each..... **25**  
In Lots of 10..... **\$2.15**

## Notched Hedge Shears



Made of best quality drop forged steel. Blades highly polished, accurately ground and set. Case hardened bolt

and nut, spring tension washer, copperized seamless steel ferrules. Each blade tang has a patent clutch spring making it impossible for handle to loosen. Size 7" cutting blade. Shipping weight 4 lbs.

**P15100—**  
Your Cost..... **\$1.19**

## Grass Shears

Malleable Grip Handles. Tempered forged steel blades. Beveled edges. Black finish on blades; red on handles. Blades  $5\frac{1}{2}$ ". Shipping weight 2 lbs.



**P15101—**  
Your Cost..... **35**

## Garden Shears



A New Garden Shear with an exclusive feature that makes it easy to cut flowers, trim vines and prune shrubs. A metal finger holds

the stem or twig as it is being cut. If a flower is being cut, finger holds it until you put it in the basket; if a twig until you cast it aside. Only one hand is needed. Made of fully tempered drop forged steel; rust proof nickel, and red lacquer finish. Shipping weight 2 lbs.

**P15102—**  
Your Cost..... **79**

## Pruning Shears

High grade, bevel polished steel blade and hook. Tempered, taper thread screw, improved disc tension washer.



Rustless coil springs; inside spring catch. Size  $9\frac{1}{4}$ ". Shipping weight 2 lbs.

**P15103—**  
Your Cost..... **65**

## Ladies Hedge Shears

Fully polished blade of drop forged steel, accurately ground and set. Case hardened bolt and nut, spring washer. 6" cutting blade. Shipping weight 3 lbs.



**P15104—**  
Your Cost..... **65**

## Forged Steel Pruning Shears

One-piece construction. Hardened and tempered to give it exceptional strength. Polished blade and hook. Lock nut and bolt design. Size 9". Shipping weight 2 lbs.



**P15105—**  
Your Cost..... **49**

## Quality Grass Shears

Forged, steel polished blades; fitted with spring tension washers. Green Duco finished handles. Standard size 6" blade. Overall  $12\frac{1}{4}$ ". Shipping weight 2 lbs.

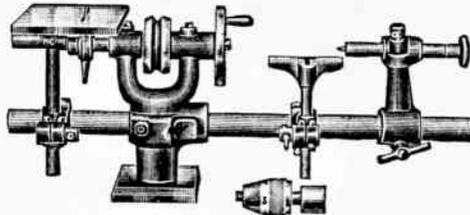


**P15106—**  
Your Cost..... **45**

# QUALITY TOOLS at LOWEST PRICES

## Combination Lathe

This lathe fills the want of any amateur mechanic for wood-turning and metal turning. With its equipment it will turn, drill, saw, polish and grind. It is solidly built of first class material and well constructed. It comes equipped with the following:  $\frac{1}{2}$ " 3-jaw chuck, 3" face plate, 3" metal saw, 4" wood cutting saw, 4x $\frac{1}{2}$ " grinding wheel, T-rest, tail stock, center points, 4x6" saw table with guide. Just the lathe for the serviceman and experimenter. Fully guaranteed. Dimensions: Height of spindle 5 $\frac{1}{2}$ ", diameter of spindle



$\frac{1}{2}$ " length of spindle 8 $\frac{1}{4}$ ", length of bed 18", diameter of pulley 2 $\frac{1}{4}$ ". Shipping weight 15 lbs.  
Y19849—Your Cost..... **\$10.95**

## Wood Workers' Vise



A well-designed new type of Wood Workers' and general utility Vise. It will hold almost any shape article securely and tight. The jaws are ground smooth on the inside. Has red enamel finish. Size of jaws 6x3 $\frac{1}{2}$ ". Jaws open 4". Shipping weight 10 lbs.

P15071—Your Cost..... **\$1.25**

## Williams Multisocket Wrench



This 8-in-1 Cadmium Plated Wrench has eight different 12-point openings. Small head  $\frac{1}{8}$ ",  $\frac{1}{4}$ ",  $\frac{1}{2}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{3}{4}$ ". Large head  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{3}{4}$ ",  $\frac{1}{2}$ ". The openings grip hex nuts on six sides, preventing all slipping and rounding of the nuts' corners. Working heads, with index spring to retain working opening in position for use, permit handle to be operated at practically any angle desired. Can be used as a socket wrench. The entire wrench is drop forged, heat-treated and finished in cadmium plate. Is 9" long. Shipping weight 4 lbs.

P15066—List \$4.00  
Your Cost..... **\$2.25**

## Platinum Point File

This is a special fine cut file designed for spark plugs or coils. Also used for ignition trouble and as a general utility file. Shipping weight 1 lb.

P15073—Your Cost Each..... **9¢**

## Auto Jack



An unusually fine Jack at a very low price. Both screws turn out to full height. The load is carried on a thrust bearing built of  $\frac{1}{4}$ " balls in an enclosed race. The long 48" handle, operating from the center of the jack, will turn up any passenger car with ease. Its capacity is 3,000 lbs. Height 7 $\frac{1}{2}$ " to 16 $\frac{1}{2}$ ". Shipping weight 10 lbs.

P15078—Your Cost..... **\$1.69**

## The Walker No. 530 Auto Jack



This triple extension Screw Jack has sufficient range to handle any of the modern low-built cars. It is a Universal Car Jack. Closed height 5 $\frac{1}{4}$ "; power raise 9 $\frac{3}{4}$ ". Extended height 14 $\frac{3}{4}$ ". Capacity one and one-quarter tons. Turning type folding handle 51" long, with universal socket joint and turning handle grip. Sturdily constructed and turning handle of service. Shipping weight 10 lbs.

P15079—Your Cost..... **\$4.25**

## Crucible Steel Files

Made by a prominent manufacturer to sell at higher prices. We are very fortunate to be able to offer you this quality merchandise at attractively low prices. These files are made of best crucible steel and tempered. State length desired.

P15033—Mill Bastard Files			
Length.....	6 in.	8 in.	10 in.
Cost Each.....	9c	11c	16c
Six For.....	49c	62c	90c
P15034—Flat Bastard Files			
Length.....	6 in.	8 in.	10 in.
Cost Each.....	11c	16c	21c
Six For.....	62c	90c	\$1.20
P15035—Half-Round Bastard Files			
Length.....	6 in.	8 in.	10 in.
Cost Each.....	11c	20c	26c
Six For.....	62c	\$1.45	\$1.62
P15036—Round Bastard Files			
Length.....	4 in.	6 in.	8 in.
Cost Each.....	7c	11c	14c
Six For.....	39c	62c	80c
P15037—Regular Taper Files			
Length.....	6 in.	6 in.	8 in.
Cost Each.....	9c	11c	16c
Six For.....	49c	62c	90c
P15038—Slim Taper Files			
Length.....	4 in.	5 in.	6 in.
Cost Each.....	7c	8c	9c
Six For.....	40c	45c	53c
P15039—Extra Slim Taper Files			
Length.....	4 in.	5 in.	6 in.
Cost Each.....	8c	8c	9c
Six For.....	45c	45c	53c

## Wood File Handles

Polished hardwood, fitted with a brass ferrule. Will take all files of medium size. Shipping weight 1 lb.

P15043—Your Cost Each..... **5¢**

## Whirlwind Hand Saw



These saws are warranted to be of high grade spring steel; accurately tempered. A tool of real merit. When buying a Whirlwind Quality Saw you can feel sure that you are getting finest materials and workmanship. Neatly etched, set and filed ready for use. Hardwood varnished handle. Shipping weight 4 lbs.

P15072—Your Cost..... **95¢**  
Size 26 in. 8 Point

## Master Cabinet Set



Warranted Spring Steel, accurately tempered blade. Consists of 12" Mitre Saw, 16" Panel Saw and 12" metal cutting compass saw. With interchangeable handle of hardwood. Shipping weight 5 lbs.

P15069—Your Cost Each..... **95¢**

## Motor Arbors

These Arbors fit directly on to the shaft of any small motor in place of the pulley. Made of the finest grade metal. Each Arbor is equipped with flange and locking nut to hold grinding wheels, circular saws, buffing wheels, etc. Has a chuck, with three hardened jaws. Shipping weight 2 lbs.

Stock No.	Unit No.	Motor Bore	Chuck	Your Cost
P15095	495	$\frac{1}{4}$ "	$\frac{1}{4}$ "	45c
P15096	490	$\frac{3}{8}$ "	$\frac{3}{8}$ "	60c
P15097	490-A	$\frac{3}{8}$ "	$\frac{3}{8}$ "	60c
P15098	490-B	$\frac{3}{8}$ "	$\frac{3}{8}$ "	60c

## Bench Plane



Adjustable, smooth bottom, with double steel Irons. Handles and Knobs of polished selected Hardwood. Shipping weight 6 lbs.

P15099—Your Cost..... **\$1.65**

## Williams Superplier

Appeals to mechanics because of its ability to operate in cramped quarters with minimum effort. The thin narrow jaws get in and hold with a bulldog grip. The knurled handles provide a firm hand grip, even when greasy. Drop forged from special chrome-alloy steel and carefully heat-treated. Blued gun-metal finish. Length 9 $\frac{1}{2}$ ". Shipping weight 2 lbs.



P15067—List \$2.25  
Your Cost..... **\$1.45**

## Fine Quality Scratch Awls

These Awls have a hardened steel, needle pointed blade, passing through the entire length of the selected hardwood handle. Has nicked ferrule. Blade is 3 $\frac{3}{8}$ " long and 6 $\frac{1}{2}$ " overall. Shipping weight 1 lb.

P15068—Your Cost Each..... **15¢**

## Metal File Handle



Japanned. Will fit all sizes of files, drills, gimlets, etc. Will take any type of tool with a shank less than  $\frac{3}{4}$ ". Fitted with steel set screw to hold tools rigid in handle. Shipping weight 1 lb.

P15042—Your Cost Each..... **9¢**

## Coping Saw Frame

### Adjustable Handle



The blade can be easily adjusted to face any desired direction by the pins at both ends of the blade. Blades tightened by turning handle and locked at any angle. One blade furnished with each frame. Shipping weight 3 lbs.

P15091—Your Cost..... **27¢**

Steel Coping Saw Blades, Two Pin Ends, fits above; also standard frames. Shipping weight 2 lbs.

P15092—Your Cost Per Dozen..... **15¢**

## Close-Cut Hack Saw



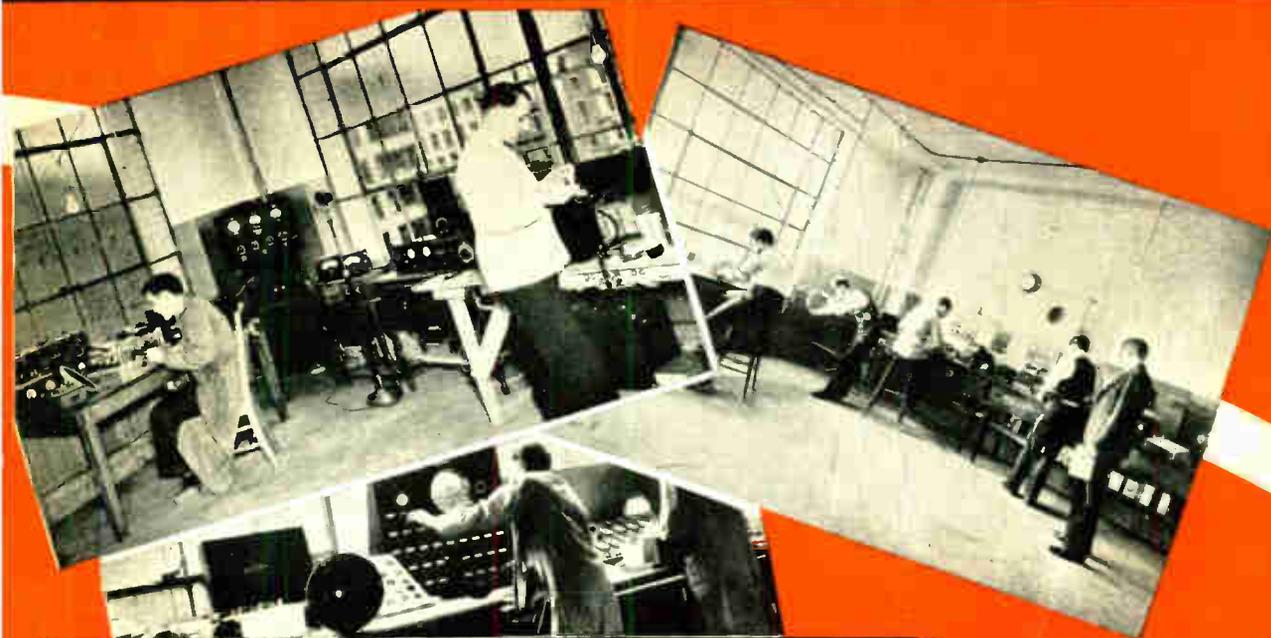
Fits these ordinary hack saws cannot be used. Valuable for radio and auto mechanics, electricians, machinists, etc. Frame contains a special design wave set, 10" blade. Broken Hack Saw Blades may also be used. Shipping weight 2 lbs.

P15093—Your Cost..... **59¢**

Extra Blades for above.

P15094—Your Cost for Three..... **30¢**

# Back of OUR GUARANTEE our BUREAU of STANDARDS TESTING LABORATORY...



## Guarantee

We guarantee each and every article in this catalog to be exactly as described and illustrated.

We guarantee every item in accordance with the standard warranty of the Radio Manufacturers Association to operate in the manner intended by the manufacturer; that it represents full value for the price you pay; that it will reach you in perfect condition.

We will exchange or repair any merchandise returned to us that contains any mechanical or electrical imperfection in accordance with the R. M. A. guarantee.

We pledge ourselves to strict adherence to the guarantee of the Radio Manufacturers Association.

WHOLESALE RADIO SERVICE COMPANY, INC.

**More than  
a Guarantee—A  
Plledge of Service!**

For the protection of our customers, we maintain a private "Bureau of Standards," which is equipped with the finest test apparatus and manned by a staff of experienced, practical-minded radio engineers. Every modern laboratory device known to the radio art is available.

### COMPLETE CHECK UP

Before any article is listed in the Catalog of the Wholesale Radio Service Co., Inc., it must go through this "Bureau of Standards" and be checked completely from every mechanical and electrical standpoint. Many sets and accessories are also taken to different locations in and around New York and subjected to further field tests. Automobile receivers, for instance, are actually put in cars and driven a few hundred miles. They are then returned to the laboratory and examined again for possible breakdowns or weak points.

The sensitivity, selectivity and tone quality of all re-

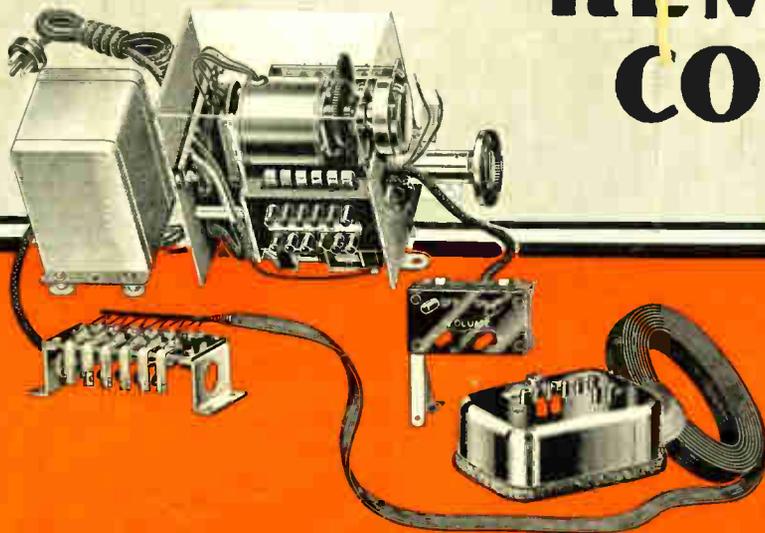
ceivers are subjected to particularly searching scrutiny, as these factors determine the general worth of a set. Our engineers do not rely on their ears and eyes alone, but make quantitative measurements with precision meters. Detailed records are kept of all these tests for future reference.

### PRICE NO CONSIDERATION

The price of an item is of no interest to our Bureau's expert test men; only its overall quality and its ability to meet the claims made for it concern them. They are just as likely to reject a ten cent condenser as a \$200.00 oscillator! It is because of their unbiased judgment and freedom from outside influence that we are able to make such broad and honest guarantees and to offer a 30-day free trial offer.

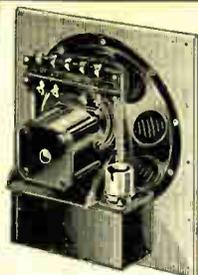
The various views of the Bureau on this page will give you some idea of its extent and facilities. Please understand that this laboratory is part of our own organization and is located right in our own building.

# RCA Victor *Automatic* REMOTE CONTROL



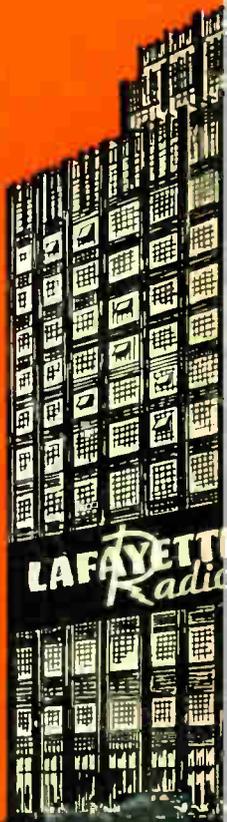
\$12<sup>50</sup>

**H**ERE'S a bargain that comes once in a lifetime. Attach this full automatic remote control assembly to your present radio chassis. Turns the radio "on" and "off". Selects accurately six different stations and adjusts the volume to the desired level. Engineered and built by Westinghouse. For full details on this unique control, refer to Page 41.



## RCA SPEAKERS

The magnetic speaker at the right is equipped with a channel selection switch and volume control, the dynamic speaker at left has tapped primary output for multiple installations. For full details on these two speakers, refer to page 54.



# WHOLESALE RADIO SERVICE CO. INC.

100 SIXTH AVE. CORNER GRAND ST. ONE BLOCK ABOVE CANAL NEW YORK, N.Y.