

The Largest Radio Mail Order House In The World

# Lafayette

## RADIO and SOUND EQUIPMENT



*Trutest*  
**PARTS**

COMPLETE  
SPRING *and*  
SUMMER  
CATALOG

No **57**  
**1935**

# WHOLESALE RADIO SERVICE CO. INC.

*Main Office and Warehouse*  
**100 SIXTH AVENUE • NEW YORK, N.Y.**

BRONX, N.Y. 542 E. Fordham Road

ATLANTA, GA. 430 W. Peachtree St. N.W.

NEWARK, N.J. 219 Central Ave.



# Send FOR THIS FREE BOOKLET!

WE have so much new and interesting "ham" equipment — receivers, transmitters, transceivers, racks, accessories, etc. — that we couldn't get it all into our regular catalog. Therefore we decided to give it a big display in a special "ham" catalog devoted to amateur apparatus and nothing else.

This is the largest catalog ever published that is exclusively amateur-radio in content. If you are a licensed amateur or expect to be one soon you will certainly want a copy for your shack. It's free — just ask for it on one of your QSL cards or on a plain postcard if your ticket hasn't come through yet.

This is no ordinary sales catalog, but contains a lot of useful dope that you will refer to constantly. Diagrams of many receivers, transmitters and kits, coil winding data, charts, advice on getting a license and other valuable bits of information are included. It was compiled by amateurs for amateurs and is written in amateur language.

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**NEW YORK, N. Y.,**  
Phone WALKER 5-8883-4-5-6-7-8-9

A section of our tube counter. Here, over the counter, as by mail everything is at lowest Wholesale prices.

# VISIT Our modern Showrooms

**C**OURTEOUS, intelligent service by technically trained salesmen awaits you at our modern, completely stocked showrooms in New York, Atlanta and Newark. If you live in or near these cities we invite you to visit our establishments, to avail yourself of the services of our technical consultants and to see and hear the thousands of dollars worth of radio and sound equipment that we have set up for your benefit.

You can play with a wide variety of short-wave and all-wave receivers and listen to dozens of different microphones, amplifiers, loud speakers, phonograph pickups and other instruments in actual operation.

Our showrooms are laid out to afford you the maximum in comfort, convenience and speedy service. If you are accustomed to ordinary radio stores you will find our salesrooms a revelation in modern merchandising practices. You are waited on promptly by a man who knows radio and will make honest recommenda-

tions if you are in doubt over anything. Your wants are filled from enormous stocks, at the lowest wholesale prices.

At all our salesrooms you are always welcome to the services of our tube testing counter. Here we have the latest and best equipment for determining the exact condition of tubes of all types and makes. Bring in all those doubtful tubes that you have been accumulating and our engineers will cheerfully check them for you, at no cost and no obligation. We carry all the leading brands of tubes and can fill your requirements without delay.

Whether you are a service man, amateur, experimenter, sound technician or engineer, you will find that our men talk your language and understand your needs. Visit our nearest branch once, and you will go back many times to avail yourself of a new standard of SERVICE.

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Phone or mail your orders  
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If it's not convenient to buy in  
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For 14 years we have guarded the Truth valiantly. We have stated our policies openly and frankly. We have pledged **LOWEST WHOLESALE PRICES**. We have promised 24 hour service. We have insisted upon **QUALITY MERCHANDISE** above everything else.

Because we have faithfully performed the promises made to you, we have grown to be the **Biggest, the Most Outstanding Exclusive Radio Mail Order House** in the entire world! *Time Discovers the Truth*; that is why thousands upon thousands of customers have become our most loyal and staunch supporters.

Meanwhile, the Envious, the Jealous, the Inexperienced attempted to counterfeit our formula of success. They copied our slogans; they imitated the style of our catalog; they reproduced our illustrations (on which point we have law suits pending); they even did business under names which sounded like ours . . . all in a futile, vain attempt to mislead and deceive you.

But the formula for True Success is not to be found in slogans, names, drawings, illustrations! It is the TRUTH of *promises performed* prevailing behind these outward manifestations; it is the fundamentals; the realities that count! Naturally we are just as anxious to do business as anyone, but never will it be said that we gained business only to lose our self-respect. We will always tell the *Truth*—for we definitely believe that Honesty has been the Big reason for our Success.

When Wholesale Radio Service Co., Inc., says "We are the Largest Organization of our kind in the world", we mean that we do more business, carry the largest stock, maintain lowest Wholesale prices, and employ more people to better serve YOU, than ANY OTHER RADIO MAIL ORDER ORGANIZATION In The Entire World.

When we say "We will not be undersold", we actually give you quality, standard, guaranteed merchandise . . . not substitute, inferior goods from questionable sources. When we say,



"We have the world's largest stock", we actually have it; when we say, "We list more nationally known lines", we ask you to check our catalog against any other to prove that this is so. When we say, "We have a Bureau of Standards", we mean a special Testing Department with costly equipment, the value of which is far more than the *entire stock* of many concerns of uncertain reputation.

When we say, "Consult with us; bring us your problems" — we refer to our engineering personnel who have years of actual practical experience in both field and laboratory which enables them to give you the *right* answer to your problem. We do not have to give evasive answers or refer you to others. When we say, "We sell only QUALITY MERCHANDISE", we have only to refer to the high esteem in which we are held by the outstanding companies who have appointed us Exclusive or Authorized Distributors.

Yet, despite the fact that we carry the largest stock of radio parts in the world, despite the fact that merchandise of the finest quality is handled, despite the fact that there is constantly at your disposal the service of a highly trained Technical Consultation Department, it actually costs you *less* to purchase from Wholesale Radio Service because of our unbelievable and unequalled lowest Wholesale prices.

Because our success is built on *more* than a formula, *more* than a slogan, *more* than mere words **IT CAN NEVER BE COPIED!** Here at Wholesale Radio Service Company, the Dignity of *Truth* is upheld because our statements and our promises are supported by *Performance*. We hit hard, clean blows at the unscrupulous, the imitators, the borrowers of slogans, the purloiners of illustrations . . . in order that the Radio Industry may be proud of Wholesale Radio Service Company, its *House of Radio Reliability* . . . that you may be protected against the pitfalls hidden behind the borrowed phrases, the fanciful claims, the promises unperformed, and that you may profit by our genuine policies of Honest Dealing and *Truth* in Advertising which we have upheld for 14 years!

FOR ONLY

\$

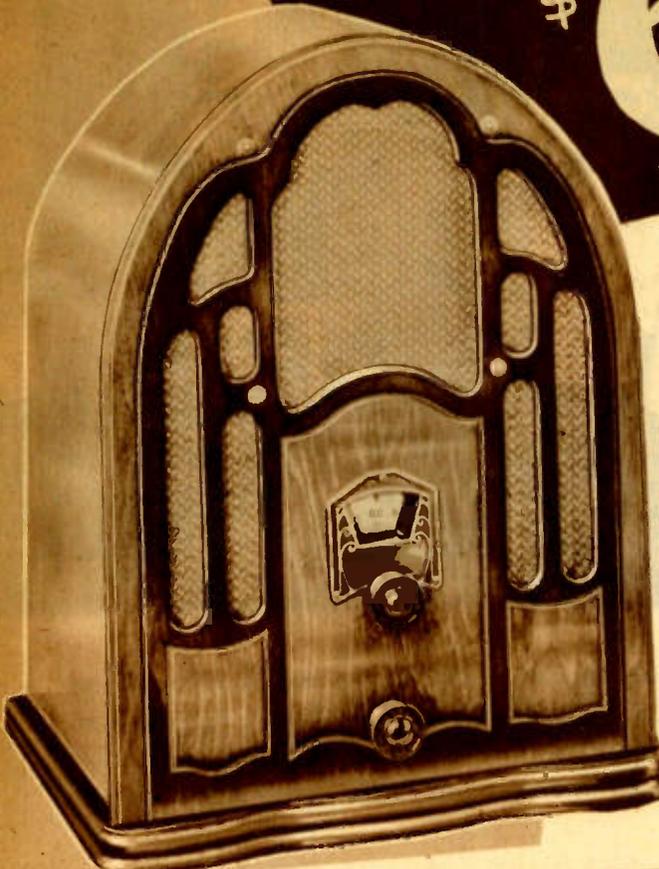
6<sup>95</sup>

This 4 tube

LESS TUBES

RECEIVER

A real BARGAIN!



It seems impossible - but it's true nevertheless - an AC operated four-tube T.R.F. receiver in a mantel cabinet for only \$6.95! Need we call to your attention the fact that it is a bargain? The parts alone are worth more! How we can sell an excellent little receiver like this one for so low a price is easy to understand when you realize that Lafayette sells thousands of receivers all over the world each year.

ILLUMINATED DIAL

The cabinet is of Gothic design and measures 10 inches wide, 8 inches deep and 13 1/4 inches high. The dial is of the direct drive type and is fully illuminated. Despite the fact that only four tubes are used the tone quality is surprisingly good due to the use of a true electro-dynamic speaker. Selectivity is also good because of the unique T.R.F. circuit employed.

Model C-18-Four Tube Mantel Receiver, less tubes. For 110 volts, 60 cycle operation. Shpg. wt., 17 lbs. Code Dalma.

Your Cost \$6.95

Kit of four matched Tubes for above, \$1.95.

5 tube **Trutest TRAVELER!**  
Take it anywhere...!  
works on either A.C. or D.C.

\$ 8<sup>95</sup>  
WITH TUBES!

TRUTEST again presents a new model at a truly phenomenal price! The new "Traveler" model is the latest in a series of quality AC-DC receivers that have won great favor for their excellent performance.

USES MODERN CIRCUIT

This compact little receiver employs an advanced T.R.F. circuit using five of the latest type tubes. These are: 1-6D6, 1-6C6, 1-43, 1-25Z5, and 1 ballast 50X3 tube. It covers the entire American broadcast range from 200 to 550 meters.

ILLUMINATED DIALS

Dials on both the tuning and volume controls are of pearline and are fully illuminated. The speaker is of the electro-dynamic type and provides excellent tone quality.

The cabinet is particularly attractive in appearance and will blend attractively with the finest furnishings.

Model C-30-Trutest 5-Tube "Traveler" complete with tubes. For AC or DC. 10 1/4" x 8 1/4" x 6 1/2". Shpg. wt., 13 lbs. Code Dinar. List price \$8.95 \$17.90. Your Cost

Model for 220 volts, \$1.00 additional.



- ★ **Illuminated Airplane Dial**
- ★ **Two Bands: 75-200 and 200-550 Meters**
- ★ **Police Calls**

THE Lafayette 5 Tube Troubador is without question one of the finest AC-DC receivers ever developed. It is as unlike the ordinary AC-DC receiver as is the modern streamline train unlike its predecessor of ten years ago. All of the experience that was gained in the design and construction of former highly successful Lafayette AC-DC receivers was called upon in the designing of this latest Lafayette product. And when you hear it, you too will agree that here, at last, is a receiver that has excellent tone quality . . . that is beautiful in appearance . . . yet is compact enough to be your personal receiver, one that you can carry with you from room to room or from one hotel to another on your travels.

**ILLUMINATED AIRPLANE DIAL**

A distinctive feature, and one that is unusual in receivers of this type, is the large illuminated airplane type dial. No longer need you strain your eyes and your patience when tuning in each station. The Troubador dial is large . . . is equipped with a comfortable knob . . . and is fully illuminated, making it independent of room light conditions.

**ADVANCED TRF CIRCUIT**

The circuit used in this excellent receiver is an advanced tuned radio frequency type and makes use of five high gain tubes. These are: 2-76's, 1-6D6, 1-43 and 1-12Z3. An electro-dynamic speaker, perfectly matched to the output tubes, reproduces all received signals with a marked fidelity of tone. The power output is great enough to provide ample volume for all practical purposes. Due to the high degree of sensitivity, stations from near and far are easily picked up. Selectivity is such that separation of stations is easily accomplished; there is no "overlapping" to mar reception. The "Troubador" operates equally well on either 110 volts DC or 110 volts, 60 cycles AC. Three control knobs (selector, band switch and combined volume control and switch) govern all operations.

**BRINGS IN POLICE CALLS**

The frequency range of the Troubador is from 75 to 550 meters in two bands; one from 72 to 200 meters and the other from 200 to 550 meters. Thus it includes within its range many police, amateur and other interesting short wave broadcasts.

**Model C-12-Lafayette 5 Tube Troubador AC-DC Receiver complete with tubes. For 110 volts AC or DC. Dimensions: 12" wide, 10" high, 7" deep. Shpg. wt., 12 lbs. Code Giron.**

List price \$25.90. Your Cost. . . . . **\$12.95**

Adapter Card for adapting receiver to 220 volt operation, \$1.00.

**Lafayette**  
**5 TUBE**  
**WITH AIRPLANE DIAL!**  
**A.C.-D.C.**



**12<sup>95</sup> WITH TUBES!**

**Make YOUR SET an ALL WAVE SET with a Lafayette CONVERTER!**

**ADDS FOUR SHORT WAVE BANDS TO YOUR PRESENT RECEIVER!**

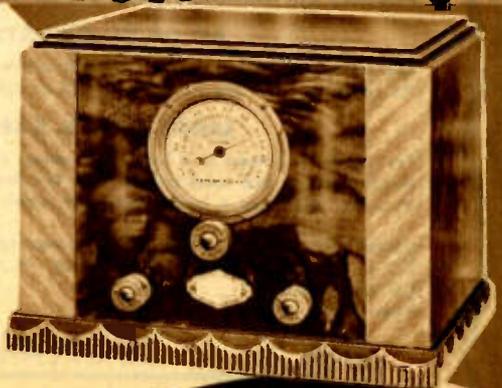
NOW you can bring your present receiver up-to-date and enjoy all of the interesting short wave broadcasts that the owners of modern all-wave receivers enjoy. You can thrill to the reception of foreign broadcasts - London, Berlin, Paris, Rome - they are all at your door when you have a Lafayette Short Wave Converter. It adds four additional bands to your receiver; one from 1.5 to 3.3 MC, a second from 3.0 to 6.8 MC, a third from 6.0 to 12.5 MC, and a fourth from 11.0 to 23 MC; thus covering the entire range from 13 to 200 meters.

It is extremely simple to install and operate - only two wires are used to connect it to your receiver, one to the antenna post, and another to the ground post. It contains its own power supply and is for operation from any 105-125 volt, 50-60 cycle AC line. Either a doublet or single wire antenna can be used. Circuit employs 4 tubes; 1-6D6, 1-6C6, 1-76 and 1-80. Both chassis only and cabinet models are available.

XP15914-Lafayette S.W. Converter Chassis less tubes. Shpg. wt., 15 lbs. Your Cost. . . . . **\$19.95**

XP15953-Lafayette S.W. Converter in Cabinet less tubes. Shpg. wt., 17 lbs. Your Cost. . . . . **\$22.95**

Kit of matched tubes far above. Your Cost. . . . . **\$2.00**



**\$22<sup>95</sup> LESS TUBES**

# Lafayette

# 5 TUBE A.C. D.C. SUPER-HET



- ★ Full Size Mantel Cabinet
- ★ Airplane Dial
- ★ Range 190 to 550 Meters

THE most amazing value in radio today! A full size mantel receiver with... an illuminated airplane dial... an extended wavelength range... a three-gang tuning condenser... a fully sensitized dynamic speaker... a highly efficient superheterodyne circuit... for only \$14.95! Never before have you had the opportunity to buy so much radio for so little money. It is just packed full of new features... the sort of features you would only expect to find in sets costing many times the price of the Leader. Don't take our word for it - our well known 30-day free trial offer gives you the opportunity to prove to yourself every statement we make.

### IMPROVED SUPERHETERODYNE CIRCUIT

The circuit used is the highly efficient superheterodyne that is known for its sensitivity and selectivity. It makes use of the latest improved type tubes - two 77's, one 78, one 43 and one 25Z5. And in addition to this a pre-selector stage is included which is tuned by one section of the three-gang condenser and which greatly increases the image ratio, thus making the Leader extremely selective as well as sensitive.

### RECEIVES POLICE CALLS

THE extended wavelength range of the Leader covers all frequencies between 190 and 550 meters. It will receive in addition to the regular broadcast stations many of the very interesting police broadcasts.

### ILLUMINATED AIRPLANE DIAL

An unusual feature in a set of this price is the large fully illuminated airplane dial that makes station finding easy under any room lighting conditions. The speaker is of the electro-dynamic type and provides an especially fine tone quality that is particularly pleasing to the ear.

### AC OR DC OPERATION

The Leader can be operated on either alternating or direct current of 110 volts. Adapters are available for 220 or 250 volts.

### LARGE MANTEL CABINET

The Leader is housed in a handsome mantel cabinet built of beautifully grained woods and hand rubbed to a fine finish. It is 14½ inches high, 12 inches wide and 6 inches deep - a mighty big set at its price!

Model A-77-Lafayette 5 Tube Leader complete with tubes. For 110 volts, AC or DC. Range 190-550 meters. Shpg. wt., 15 lbs. Code Deros. List price \$29.90.

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



*Special EUROPEAN Model*



In addition to the standard model of the "Leader", a special model for use in European countries has been made available. This model incorporates an additional long wave band (2 in all) covering a frequency range from 850 to 2000 meters. In all other respects, aside from this addi-

Only  
**\$14.95**  
Complete  
with  
TUBES

tional band, the receiver is identical with the Model A-77 described above. The addition of the long wave band is of particular importance to those who travel in Europe, since many of the broadcasting stations on the continent use frequencies in this range.

Model A-77L-European Model Lafayette 5 Tube Leader complete with tubes. For 110 volts, AC or DC. Range 190-550, 850-2000 meters. Shpg. wt., 15 lbs. Code Decur. List price \$35.90. **\$17.95**

Your Cost ..... **\$17.95**  
Adapter Cord for 220 volts for either model, \$1.00.

# Lafayette LONG & SHORT WAVE! \$19.95 WITH 5 TUBE SUPER HET

**BROADCASTING  
POLICE  
FOREIGN**

18 - 50  
75 - 200  
200 - 550  
METERS

**BANDS**



**YOU** can do it with the Lafayette "Globe Girdler"! You can sit in your easy chair and listen to London, Paris, Rome, Madrid, Porto Rica, Brazil, etc. They are all at your fingertips with this efficient five-tube superheterodyne receiver.

Three bands are available at the turn of a switch - one, from 200 to 550 meters, takes in all of the regular American broadcasting stations - the second, covering wavelengths from 75 to 200 meters, takes in police stations, amateurs, aircraft and airport stations - and the third, from 18 to 50 meters, includes all of the European and American short wave stations, amateurs, etc. All of the interesting programs broadcast by these stations are yours with the "Globe Girdler".

### EXCELLENT TONE QUALITY

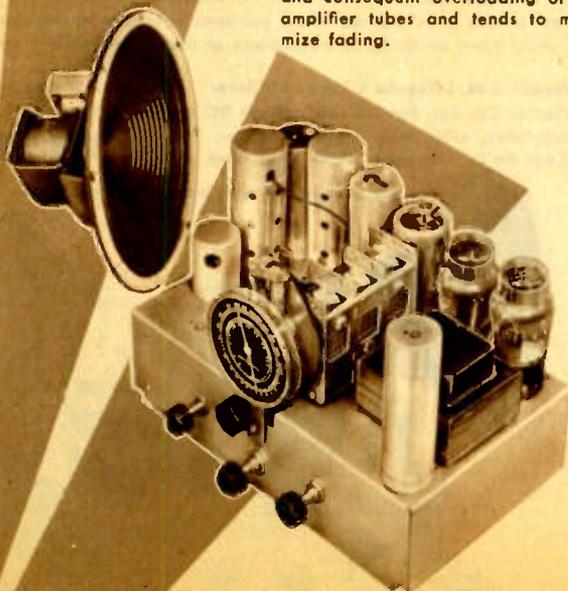
A large 8" electro-dynamic speaker together with a continuously variable tone control contribute to the excellent tone quality of the Globe Girdler. When you listen to its life-like clear reproduction you forget you are listening to a radio and imagine the performer is right there with you! The inclusion of the tone control permits modification of the tone to suit individual preferences.

### LARGE FULL SIZE CHASSIS

The Globe Girdler is not a small receiver - the chassis is large and provides ample room for full size components. There is nothing "midget" about it - either in physical size or performance.

### AUTOMATIC VOLUME CONTROL

A highly efficient automatic volume control that is effective on all bands, both short and standard broadcast, is included. This prevents blasting and consequent overloading of the amplifier tubes and tends to minimize fading.



### USES LATEST TYPE TUBES

THE latest most improved type tubes are used throughout including the new type 6A7 converter tube that serves as both oscillator and mixer, thus taking the place of two tubes and in addition providing a higher conversion gain than two separate tubes would have. A total of five tubes are employed.

A type 78 is used as a high gain intermediate frequency amplifier, a type 75 as second detector, automatic volume control, first audio amplifier, and a type 42 as power output tube. An 80 rectifier is used in the power supply.

### BEAUTIFUL MANTEL CABINET

The receiver is housed in a handsome cabinet built of beautifully grained veneers polished to a fine finish. It will prove an attractive addition to any decorative scheme. Dimensions are 16½" x 8" x 13½".

Model A-81-Lafayette 5 Tube Globe Girdler Receiver complete with tubes. For 110 volt, 60 cycle AC operation. Shpg. wt., 24 lbs. Code Ethos. List price \$39.90.

Your Cost ..... **\$19.95**

Available for 220 volt AC operation at \$1.50 additional.

### Special EUROPEAN Model

A special model of the "Globe Girdler" has been designed for use in European countries. This model has a band covering wavelengths between 850 and 2000 meters substituted for the 75 to 200 meter band used in the standard Globe Girdler. This band (850 to 2000 meters) includes within its scope all of the long wave broadcasting stations operating in Europe and together with the other two bands (18 to 50 and 200 to 550 meters) provides a receiver that is particularly suited for European use. It includes of course all of the features of the standard model such as automatic volume control, airplane dial, etc., and is housed in the same fine cabinet.

Model A-81L-European Model Lafayette 5 Tube Globe Girdler with three bands; 18-50, 200-550 and 850-2000 meters. For operation on 110 volts, 50-60 cycles AC. Code Fetus. List price \$47.00.

Your Cost ..... **\$23.50**

Available for 220 volt AC operation at \$1.50 additional.

# Gets EVERYTHING in the WORLD OF RADIO



**6** Lafayette  
tube **A.C.-D.C.**  
**ALL-WAVE**  
Super-Het!

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

**UNIVERSAL** . . . that is the term that best describes the new Lafayette "Air Rover". It is universal in operation . . . because it operates on either AC or DC. It is universal . . . because it has a wavelength range from 13 to 2000 meters and therefore is suitable for use in any country on the face of the earth!

### FIVE DISTINCT BANDS

It has five separate tuning ranges . . . 13 to 30 meters . . . 30 to 75 meters . . . 75 to 200 meters . . . 200 to 550 meters . . . 850 to 2000 meters. It includes within its tuning range every short - standard - and long wave entertainment broadcasting station in the world! And it also includes within its range numerous aircraft, amateur, commercial, ship-to-shore, and other very interesting transmitting stations. There is never a dull moment with the "Air Rover"!

### CLEAR LIFELIKE TONE

All of the programs that you hear with the "Air Rover" are clear and distinct . . . there is no fuzziness . . . no dullness to the reproduction. All of the high notes are brilliant and sharp . . . and the low notes are deep and sonorous . . . just the way they should be . . . the way they originated at the broadcasting studio. Part of this excellent reproduction is due to the full electro-dynamic speaker . . . and some of the credit belongs to the carefully designed audio amplifier.

### MODERN SUPERHETERODYNE CIRCUIT

The circuit used in the "Air Rover" is the new modern superheterodyne, and makes use of the latest type high gain tubes. The tube complement includes: 1-6A7, 1-75, 2-78's, 1-43 and 1-25Z5. A pre-selector stage is tuned by one section of the three-gang condenser. Among the other more notable features are: an airplane tuning dial with reduction drive ratio that makes short wave tuning simple; a continuously variable tone control that allows immediate selection of either high or low tones; an efficient AVC circuit that eliminates fading and prevents inter-station "blasting"; a phonograph jack, mounted on the rear of the chassis, allows the use of the entire audio system for the reproduction of phonograph recordings; a band switch, operated by a single knob on the front panel, which allows instant selection of any of the five tuning ranges.

★ AC or DC OPERATION

**FIVE BANDS:** 13-30 meters (23,000-10,000 KC); 30-75 meters (10,000-4,000 KC); 75-200 meters (4,000-1,500 KC); 200-550 meters (1,500-550 KC); 850-2,000 meters (352.9-150 KC)

★ CONTINUOUSLY VARIABLE TONE CONTROL  
★ REDUCTION DRIVE AIRPLANE DIAL

### HANDSOME MANTEL CABINET

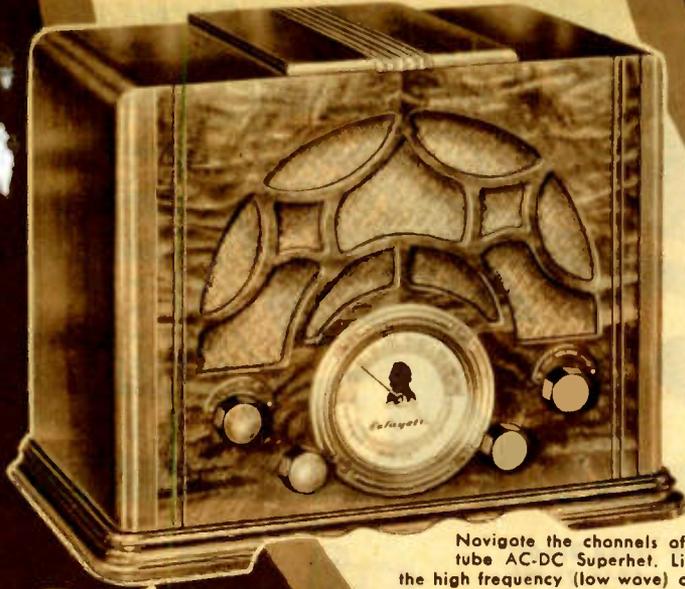
The large Mantel Cabinet has been carefully designed and executed by master cabinet makers. It is rich in appearance and will be a complement to the most tastefully appointed room. All of the rare beauty of its grained woods has been enhanced by the most careful hand polishing. A masterpiece of the cabinetmaker's art!

Model A-84-Lafayette 6 Tube "Air Rover" complete with tubes in Mantel Cabinet. For 110 volts, AC or DC operation. Dimensions: 16 $\frac{3}{8}$ " x 14 $\frac{1}{4}$ " x 7 $\frac{3}{8}$ " deep. Shpg. wt., 22 lbs. Code Balas. List price \$59.90. Your Cost. . . . . **\$29.95**

For 220 volt or 250 volt operation add \$1.00.



# Lafayette



**TUBE  
A.C.-D.C!  
SUPER-HET**

**3**  
BROADCASTING  
POLICE  
FOREIGN  
17½ - 53  
75 - 200  
200 - 560  
METERS  
**BANDS**

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

Navigate the channels of the air with this new Lafayette 7-tube AC-DC Superhet. Listen-in to London, Paris, Rome on the high frequency (low wave) channels . . . to numerous police, amateur, airport, stations on the medium short wave channels . . . and to all those interesting programs being broadcast by our domestic stations on the standard American broadcast channels.

**EMPLOYS A NEW VOLTAGE  
REGULATOR TUBE**

THE tubes used in this highly efficient super-heterodyne include 1-6A7, 1-6D6, 1-7S, 1-43, 1-76, 1-25Z5 and a new voltage regulator type 3-40 tube that maintains a constant voltage on the tubes. It also includes a full range tone control and a positive acting automatic volume control.

**THREE TUNING RANGES**

Three bands are covered by the "Air Navigator" as follows: 17½ to 53 meters, 75 to 200 meters and 200 to 560 meters. Each of these bands are instantly available at the flip of a switch. Each band has its own individual scale accurately calibrated on the large fully illuminated airplane dial. The complete receiver is enclosed in a handsome mantel cabinet measuring 7¾" deep, 13" wide and 10¼" high.

Model C-78-Lafayette 7-Tube "Air Navigator" complete with tubes. For 110 volts AC or DC. Shpg. wt., 20 lbs. Code **\*24.95**  
Dagon. List price \$49.90. Your Cost.

*Special EUROPEAN Model*

LAFAYETTE engineers have designed a special model of the "Air Navigator" for European use. This model has three tuning ranges: one, from 17½ to 53 meters, includes all of the short wave entertainment broadcasting stations; the second, from 200 to 560 meters, includes all of the American broadcasting stations; and the third, from 750 to 2000 meters, includes within its range the many European broadcasting stations that make use of this frequency band. In other respects it is exactly the same as the standard model.

**SPECIAL VOLTAGE REGULATOR TUBE**

An extremely valuable feature, especially for European use, is the voltage regulator tube that maintains a constant steady voltage across the tubes irrespective of line voltage fluctuations. It protects your tubes and prolongs their life no matter how the line voltage varies.

Model C-78L-Lafayette European Model 7-Tube "Air Navigator" complete with tubes. For 110 volts AC or DC. Code Dekar. List price \$49.90. Your Cost. **\*24.95**  
Adapter for 220 or 250 volts. \$1.00

**5** tube *Lafayette*  
**LONG & SHORT  
WAVE** \$18<sup>75</sup>  
**SUPER-HET WITH TUBES**

**16.5 TO 550 METERS**

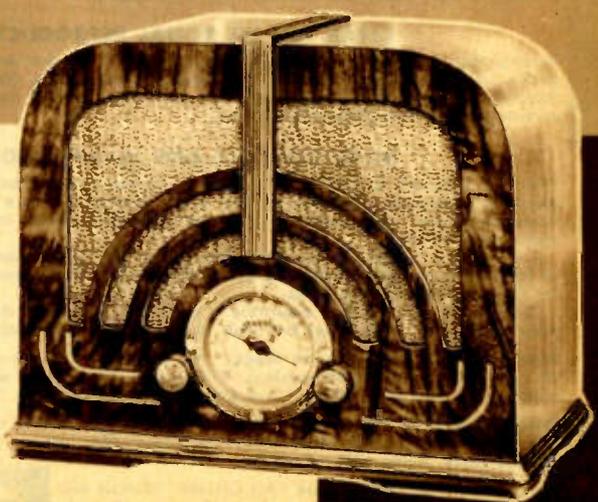
A POWERFUL 5-tube superhet receiver that works equally well on either DC or 110 volts, 60 cycles AC. The design of the "Continental" is such that sensitivity and selectivity are brought to a high degree of perfection, resulting in clear, enjoyable reproduction.

**HIGH GAIN CIRCUIT**

Five tubes are used in an especially efficient high gain superheterodyne circuit. These include: 1-6A7, 1-6D6, 1-7S, 1-43 and 1-25Z5. More than ample volume is provided for all practical purposes, and irrespective of where the volume control is set, reception is always clear and life-like. A powerful A.V.C. action prevents fading and inter-station "blasting".

**EXTENSIVE TUNING RANGE**

The "Continental" covers the range from 16.5 to 550 meters in two separate steps; from 16.5 to 60 meters (includes all popular European broadcast stations and countless amateurs), and from 175 to 550 meters (includes Police calls and American broadcast stations). Desired range selected by means of a switch controlled by a knob on the front panel.



Model C-27 - Lafayette "Continental" 5-Tube Superhet, complete with tubes. For 110 volts AC or DC. Shpg. wt., 13 lbs. Code Dedas. List price \$37.50. **\*18.75**  
Your Cost

Model for 220 volts, \$1.00 additional.

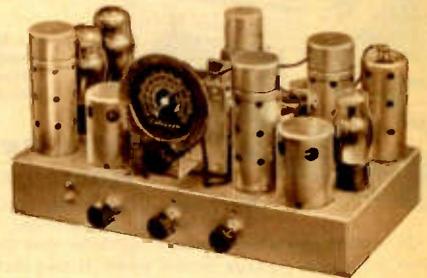
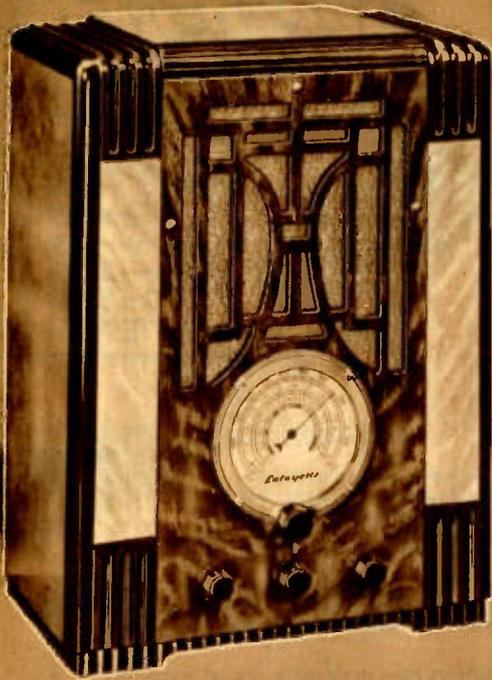
# Lafayette

# 7 Tube LONG and SHORT WAVE!

Super  
Het

\$ 26<sup>95</sup>  
WITH  
TUBES

BROADCASTING  
POLICE  
FOREIGN  
18 - 50  
75 - 200  
200 - 550  
METERS  
**3 BANDS**



- ★ Three Bands:  
18-50, 75-200,  
200-550 meters
- ★ Illuminated Air-  
plane Dial
- ★ 8-Inch Electro-  
Dynamic Speaker
- ★ Continuously  
Variable Tone  
Control

Do you want a really fine seven-tube Superheterodyne receiver . . . one that will receive foreign as well as local broadcasts . . . one that will receive Police Calls . . . one that will receive Amateur and Aircraft stations . . . a set that has outstandingly fine tone quality . . . yet sells at a price so low that it hardly dents your pocketbook? Then here is the receiver for you . . . the new Lafayette "Air Cruiser".

This new Lafayette receiver is bound to be a sensation! It is a powerful seven-tube superheterodyne that has three wavelength ranges . . . 18 to 50 . . . 75 to 200 and 200 to 550 meters. Each of these ranges has its own carefully calibrated scale on the large illuminated airplane dial.

• The new "Air Cruiser" is Lafayette's answer to the demand for a truly fine three-band seven-tube superheterodyne receiver at a reasonable price. Check its features against those of any other set at anywhere near its price—and you will see why we say that "The Air Cruiser is today's Greatest Radio Value!"

### USES THE LATEST TYPE TUBES

Seven of the latest type tubes are used in a highly selective and extremely sensitive superheterodyne circuit including: 1-76, 2-78's, 1-77, 1-75, 1-42 and 1 type 80. The power output afforded is more than sufficient for all home purposes. Sensitivity and selectivity characteristics are such that stations from near and far are brought in with ease, and without any "overlapping".

### CLEAR LIFELIKE TONAL REPRODUCTION

Through the use of a large 8-inch electro-dynamic speaker and a carefully designed audio amplifier the reproduction is exceptionally clear and lifelike. In addition a continuously variable tone control permits modifying the high frequency response of the receiver to suit individual preferences.

### BOTH CONSOLE AND MANTEL MODELS

The "Air Cruiser" is available in both a console and a mantel cabinet. The Mantel model is especially designed for the small apartment where space is a factor. It is compact in size — yet handsome in design and will prove an attractive addition to any decorative scheme.

The Console model is truly a masterpiece of the cabinetmaker's art. It is fashioned of beautifully grained hardwoods matched into an attractive pattern and highly polished by hand to a handsome finish.

The "Air Cruiser" is also available in chassis form only for those who wish to replace their present out-moded set but wish to retain a favorite cabinet.

**Model A-87—Lafayette Mantel Model "Air Cruiser" complete with tubes. For 110 volts, 60 cycle AC operation. Dimensions: 17<sup>1</sup>/<sub>8</sub>"x14<sup>1</sup>/<sub>4</sub>"x7<sup>1</sup>/<sub>2</sub>". Shpg. wt., 35 lbs. \$26.95 Code Astra. List price \$53.90. Your Cost.**

**Model A-88—Lafayette Console Model 7 Tube "Air Cruiser" complete with tubes. For 110 volts, 60 cycle AC. Dimensions: 37"x20<sup>1</sup>/<sub>2</sub>"x12<sup>1</sup>/<sub>4</sub>" deep. Shpg. wt., 60 lbs. Code Aural. Your Cost.**

**Model A-89—Lafayette 7 Tube "Air Cruiser" Chassis and Speaker complete with tubes. For 110 volts, 60 cycle AC operation. Dimensions: 13<sup>1</sup>/<sub>2</sub>"x9"x7". Shpg. wt., 30 lbs. Code Aulic. Your Cost.**

\$ 35<sup>95</sup>  
WITH  
TUBES



# Lafayette 10 Tube LONG & SHORT WAVE! SUPER-NET!

**BROADCASTING  
POLICE  
FOREIGN**

**3**

18 - 50  
75 - 200  
200 - 550  
**METERS**

**BANDS**

\$ **42**<sup>50</sup>

**WITH TUBES**

**HAVE** you ever experienced the thrill of hearing foreign stations? Have you ever "Listened-in" on amateurs from all parts of the globe? Have you ever heard American broadcast stations with such fidelity that you thought you were in the studio? You can truly answer yes to these questions when you own this new Lafayette "Commander" 10-tube superheterodyne. Countless distant stations are figuratively "around the corner" when you turn its dial. And as for power, sensitivity and PRICE we throw our hats into the ring and say "beat this if you can".

### CIRCUIT DESCRIPTION

The ten tubes employed in the superheterodyne circuit are used as follows: one type 58 as R.F. amplifier on Broadcast Band, one type 2A7 as combined oscillator and first detector, one type 58 as intermediate frequency amplifier, one type 2B7 as second detector and AVC tube, one type 56 as phase inverter, four type 45's in a push-pull-parallel output stage and one type 80 rectifier.

### AUDIO POWER OUTPUT OF 10 WATTS

The power output afforded by the push-pull-parallel output circuit using four 45's is a full ten watts. Thus, volume will not only be great enough for any sized home, but will also enable use of the receiver at large parties, club meetings or dances without additional amplification.

### THREE SEPARATE TUNING RANGES

The set covers a band of frequencies from 18 to 550 meters in three steps as follows: from 18 to 50 meters (16,500 to 6000 KC); from 75 to 200 meters (4000 to 1500 KC); and from 200 to 550 meters (1500 to 545 KC). The first band takes in all of the most popular foreign and domestic short wave broadcasting stations, the second includes aircraft, police and amateur stations within its range and the third is the standard American broadcast range.

### CIRCUIT FEATURES

Some of the more outstanding features include: sensitivity is better than 2 microvolts per meter, assuring reception of weak foreign stations; selectivity 64 KC at 10,000 times, allowing complete separation of stations over the entire dial.

### BEAUTIFUL CONSOLE CABINET

For those desiring fine furniture, the Lafayette "Commander" has been made available in the striking console cabinet illustrated above. Matched American hardwoods are blended in a pleasing design that is especially attractive.

Model AM-44-Lafayette 10 Tube Three Band "Commander" chassis, speaker and tubes. Less cabinet. 110 volts, 60 cycle operation. 13 1/2" x 10 1/4" x 7". Shpg. wt., 36 lbs. Code Serus. List price \$67.00.

Your Cost

**\$33.50**

Model AM-45-Same as above in Console Cabinet. 37" x 20 1/2" x 12 1/4". Shpg. wt., 65 lbs. Code Sarae. List price \$85.00.

Your Cost

**\$42.50**

All above available at 220 volts, at cost of \$2.00 extra.



\$ **33**<sup>50</sup>

**CHASSIS  
SPEAKER  
AND TUBES**



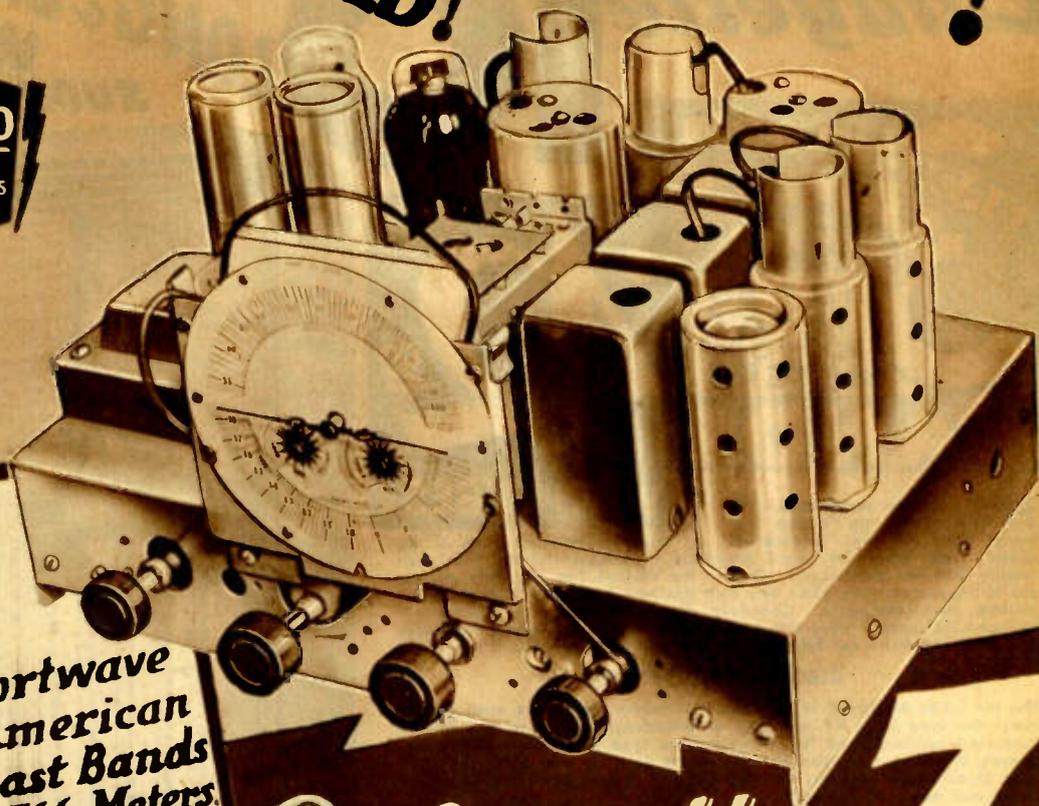
### 10" ELECTRO-DYNAMIC SPEAKER

Note the large 10" electro-dynamic speaker used in the new Lafayette "Commander". It has been especially designed for use with the powerful push-pull-parallel 45 audio amplifier incorporated in this amazing receiver. Together they provide really "Full Range" reproduction that will give you a new conception of radio reproduction.

# TOUR the WORLD!

# CUSTOM-BUILT De Luxe!

**\$31.50**  
CHASSIS, TUBES  
AND SPEAKER



Covers  
**All Shortwave  
and American  
Broadcast Bands**  
From 16.4 to 566 Meters.

# Lafayette 7 tube

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

### HIGH GRADE MATERIAL THROUGHOUT

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

### ALL MODERN IMPROVEMENTS

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

### R.F. STAGE ON ALL BANDS

It is important to note that the R.F. stage functions on both the short, medium short and broadcast bands. This not only reduces image frequency interference but also considerably reduces the noise level and adds to the selectivity of the receiver. Very few seven-tube sets have this highly desirable feature. This is another reason why Lafayette engineers can guarantee European reception on this remarkable receiver-read the Guarantee which appears on the opposite page and you will agree that no offer could be fairer.

### HIGH SENSITIVITY AND SELECTIVITY

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

Selectivity has been adjusted to the optimum value-not too sharp so that the reception is distorted-and not so broad that the stations interfere with one another-but exactly right so that stations in adjacent 10 Kilocycle channels can easily be cleanly separated.

### EXCEPTIONALLY FINE VALUE

Despite the great care that was taken in the design and construction of this receiver, it is low in price. It is not the cheapest seven-tube receiver on the market today-there are cheaper ones-but when it is compared with receivers that approach its high quality in performance and construction then its exceptionally fine value is readily realized.

## NEW TUBES

SEVEN high gain newly developed tubes are used in an improved super-heterodyne circuit as follows; one 6B7 Diode Pentode as second detector and first audio frequency tube; three 6D6 advanced varia-mu tubes in the first radio frequency stage, the first detector (mixer) stage, and in the intermediate frequency stage; one 42 pentode output tube is used in the second or final audio stage; one 76 advanced triode in the oscillator stage. An 80 rectifier is used to supply the necessary plate voltages.

## TRIPLE INDICATOR AIRPLANE DIAL

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

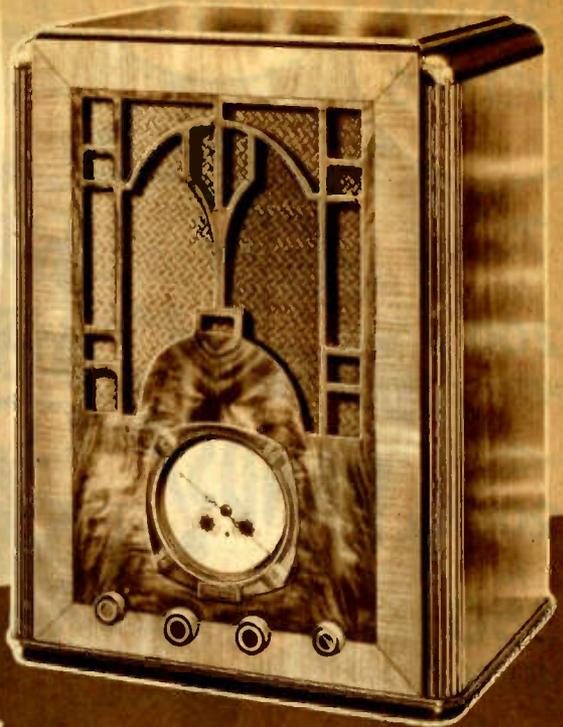
## CONTINUOUS ALL-WAVE COVERAGE

The frequency range of this receiver extends from 18,300 to 5,800 KC (16.4 to 51.7 meters) on the short wave band, from 5,800 to 1,700 KC (51.7 to 176.4 meters) on the medium short wave band, and from 1,750 to 530 KC (171.4 to 566 meters) on the standard broadcast band. It thus includes within its range all stations between 530 and 18,300 KC.

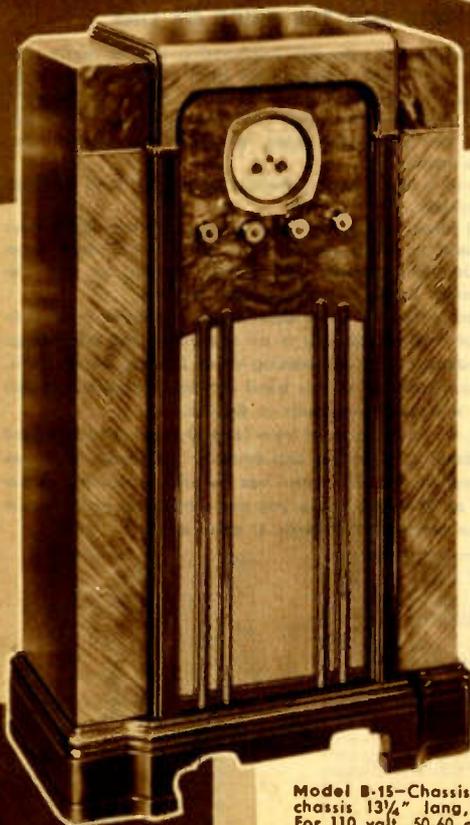
## FULL ELECTRO-DYNAMIC SPEAKER

An improved Electro-Dynamic Speaker, measuring 8 inches in diameter assures maximum fidelity of tone over the entire audio frequency band. It will safely handle the three watt output without rattling or blasting.

**\$34.95**  
WITH TUBES



# ALL-WAVE Super Het



## BEAUTIFUL CONSOLE OR MANTEL CABINETS

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

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

## EUROPEAN RECEPTION GUARANTEED

This receiver has been carefully adjusted for maximum sensitivity and will under reasonably favorable weather conditions provide enjoyable European reception. That is the guarantee that Wholesale Radio Service Co. gives you on this receiver and that Wholesale Radio Service Co., lives up to with a money back agreement, Wholesale Radio Service Co. makes no wild promises in order to sell you a receiver - but it does live up to the promises it makes. Our Lafayette 30 day free trial offer has been a policy of this company since its inception - use it to prove our claims.

Model B-15—Chassis, Tubes and Speaker. Size of chassis 13 1/4" long, 10 1/4" deep and 7 3/4" high. For 110 volt, 50-60 cycles AC operation. Shpg. wt., 36 lbs. Code Festa. List price \$63.00. Your Cost..... **\$31.50**

Model B-16—Lafayette All-Wave Seven Tube Superheterodyne in Mantel Cabinet and complete with tubes. For 110 Volts 50-60 cycle AC operation. Dimensions: 20 1/2" x 15 3/4" x 11 1/8". Shpg. wt., 40 lbs.

Code Fabri. List Price \$69.90. Your Cost..... **\$34.95**

Model B-17—Lafayette Seven Tube All-Wave Superheterodyne in Console Cabinet measuring 38 1/2" high, 22 1/4" wide and 11" deep. For 110-125 volt, 50-60 cycle AC operation. Complete with tubes. Shpg. wt., 60 lbs. Code Ficus. List Price \$85.00 Your Cost..... **\$42.50**

Either Model for 220 Volts..... \$2.50 additional

**\$42.50**  
WITH TUBES

30 to 75  
METERS

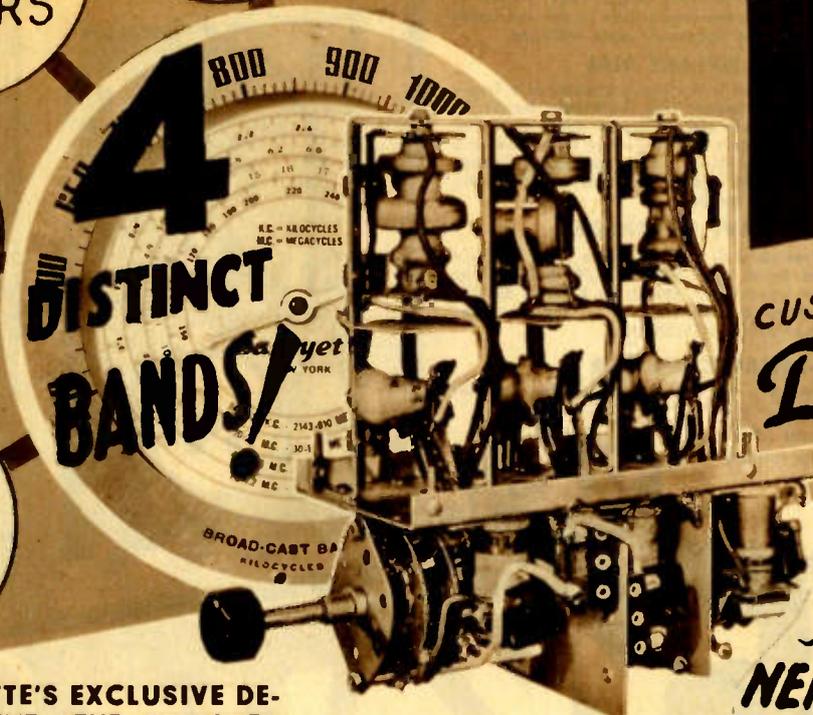
14 to 30  
METERS

# Lafayette

75  
to  
200  
METERS

200  
to  
550  
METERS

**4**  
**DISTINCT**  
**BANDS!**



**10**  
tube  
CUSTOM-BUILT  
**DeLuxe!**

**A New**  
**MARVEL**  
**The ARMORED**  
**NERVE CENTER!**

**LAFAYETTE'S EXCLUSIVE DEVELOPMENT "THE ARMORED NERVE CENTER" RIVALS THE HUMAN BRAIN AS A MASTER CONTROL UNIT - IT IS YOUR GUARANTEE OF PERFECT RADIO RECEPTION**

**4 SETS FOR THE PRICE OF ONE**

**T**HE "Armored Nerve Center" used in the new 10-Tube DeLuxe All-Wave Superheterodyne is the result of months of research and development work by Lafayette engineers. This is no mere trick name, but represents what is probably the most carefully designed and most effective tuning unit on the market. The tuning coils and the switches that cut them in and out of the circuit were designed especially for each other, and no compromises in either electrical efficiency or mechanical reliability were tolerated.

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

### THOROUGH SHIELDING PREVENTS COUPLING

The word "armored" is rightfully used, for the internal shielding of the Armored Nerve Center suggests battleship construction. Lafayette engineers found that ordinary shielding did not completely eliminate coupling effects between coils, particularly the high frequency coils, so they decided to use extraordinary precautions in the shape of heavy, rugged metal baffle plates that absolutely confine the electro-magnetic and electrostatic fields of the various coils to their own individual compartments. The result? Smooth, interference-free reception on all wave bands, without the slightest trace of interaction effects!

The first band is the regular American broadcast band between 200 and 550 meters.

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

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

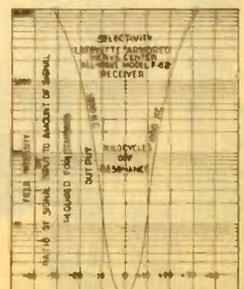
And fourth, we have the band from 14 to 30 meters which is used for the broadcasting of foreign and domestic short wave programs during the daytime. This band also has the other amusing amateur phone band at 20 meters where you can eavesdrop on conversations between amateurs thousands of miles apart.

### SHORT LEADS CONTRIBUTE TO COIL EFFICIENCY

The placement of the coils in relation to the switch sections has been worked out with great precision so as to keep critical connecting leads extremely short. This is of extreme importance at the very short wavelengths, where the total amount of wire on the actual tuning coils is sometimes no greater than the length of the connections to the rest of the circuit. This careful engineering is reflected in the high average of performance of the 10-Tube DeLuxe Superheterodyne on all wave bands. The sensitivity on the broadcast band is 1 microvolt, on the 75-200 meter band 2 microvolts, on the 30-75 meter band 2 microvolts, and on the 14-30 meter band 3 microvolts.

### PERMANENT ADJUSTMENT ASSURED

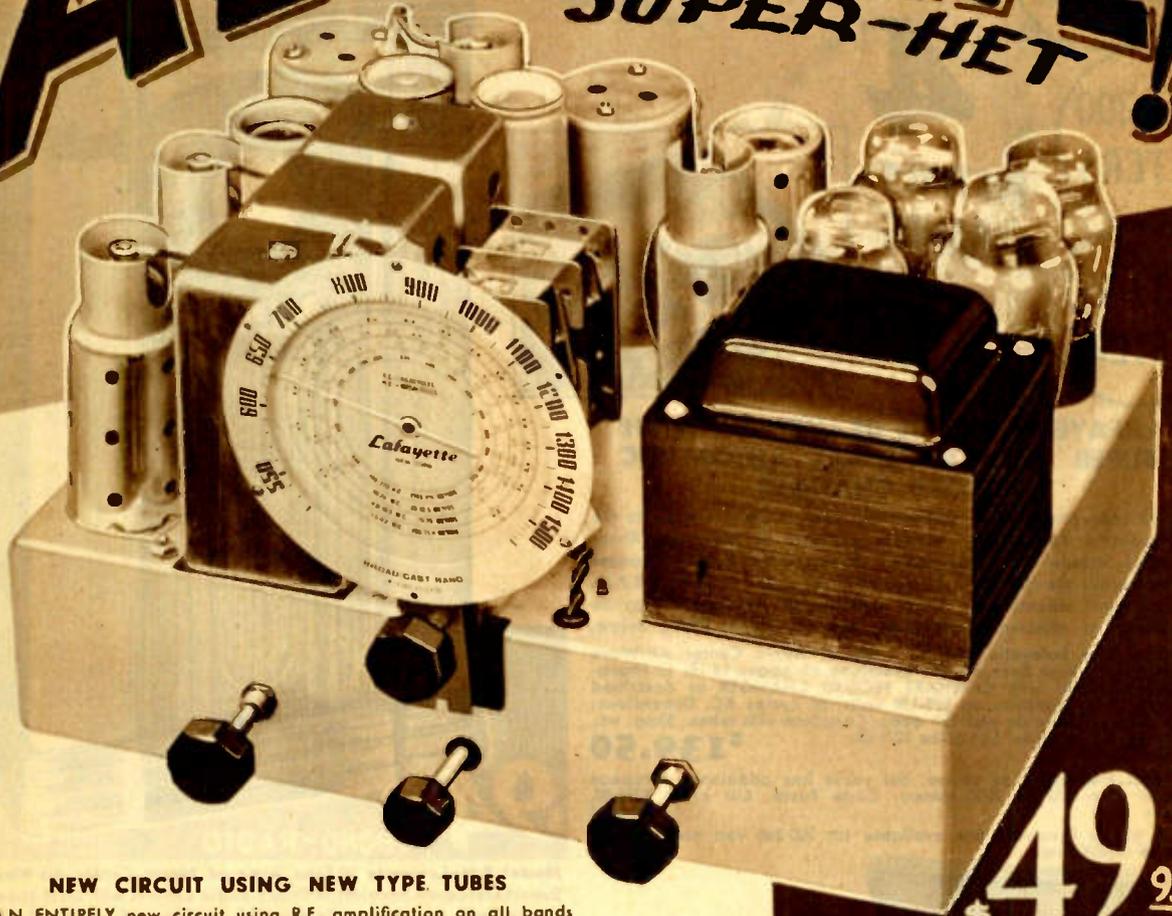
The cut-away view of the Armored Nerve Center shows the arrangement of the parts, and also indicates that trimmer condensers with ceramic insulation are used. These are used because they hold their adjustments and are not affected by temperature and humidity changes. The receiver is aligned by competent engineers at the Lafayette factory.



**Above curves illustrate the remarkable selectivity and sensitivity available on the Lafayette Model F-62**

# ALL-WAVE!

## SUPER-HET



### NEW CIRCUIT USING NEW TYPE TUBES

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

The first tube is one of the new type 6D6 varia-mu tubes and is used in the radio frequency pre-amplifier stage that considerably increases the sensitivity of the receiver and greatly decreases image frequency interference and background noise. This is followed by a type 76 tube as oscillator and a type 6D6 as modulator or first detector which, in turn, is followed by a high gain intermediate frequency amplifier stage using another type 6D6 varia-mu tube. A type 75 tube follows this with the diode used as the second detector thus making it capable of handling great power without overloading or distorting. Another type 76 tube is used for the sole purpose of providing automatic volume control action thus providing a more positive and effective control over varying signal strengths. This completes the R.F. portion of the receiver which is followed by the audio system described below.

### AUDIO POWER OUTPUT OF 12 WATTS!

Of particular interest is the newly developed Class "A" Prime audio amplifier having an output of 12 watts. The second detector is followed by the triode section of the 75 which is, in turn, followed by a type 42 tube that is transformer coupled to a pair of 42's in Class "A" Prime. The rectifier is a type 5Z3 high vacuum heavy duty tube. No mere written description can do full justice to this amazingly powerful amplifier. Musical reproduction, especially of symphony orchestras, will have a new meaning for you when you hear the full rounded sonorous tones that only ample reserve power can make possible.

Selectivity is also of a high order - providing full 10 KC. separation without affecting the tone quality in the slightest degree due to side band cutting.

**\$49<sup>95</sup>**  
**CHASSIS, SPEAKER and TUBES**

### HIGH ORDER OF FIDELITY

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

### IMPROVED AIRPLANE TYPE DIAL

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

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

 *Special EUROPEAN Model* 

For use in foreign countries a special model is available. This model incorporates an additional (5 in all) long wave band from 850 to 2000 meters. In all other respects, aside from this additional band, it is the same as the Model F-62 described above. This special long wave model is known as the Model F-58. For prices on this model see the following page.

# Lafayette De Luxe!

**10** tube  
CUSTOM-  
BUILT!

30 to 75  
METERS

14 to 30  
METERS

75 to 200  
METERS

200 to 550  
METERS



## LAFAYETTE 10-TUBE DE LUXE ALL WAVE SUPER WITH CAPEHART AUTOMATIC RECORD CHANGER

THE Lafayette 10-Tube models have been made available in the beautiful Phono-Radia Console pictured at the right. These models include the famous Capehart Automatic Record Changer which plays ten 10-inch or 12-inch records, either 78 or 33 $\frac{1}{3}$  R.P.M. Last record repeats until switch is turned off. Any record may be repeated or rejected at will. Radia receiver as per listing below.

**Model F-44**—Lafayette 10-Tube Armed Nerve Center All-Wave Superheterodyne Receiver (as described on pages 14-15) in Phono-Radia Cabinet with CAPEHART RECORD CHANGER as described above. For operation on 105-120 volts, 60 cycles AC. Dimensions: 42" high, 27 $\frac{1}{2}$ " wide and 19" deep. Complete with tubes. Shpg. wt., 210 lbs. Code Favus. List price \$279.00.  
**Your Cost** ..... **\$139.50**

**Model F-45**—Same as above, but radio has additional European band from 850 to 2000 meters. Code Fasce. List price \$295.00.  
**Your Cost** ..... **\$147.50**

The above receivers are available for 200-240 volt operation at \$6.00 additional.



**\$94.50**  
**PHONO-RADIO**

**Model F-46**—Lafayette 10-Tube Armed Nerve Center All-Wave Superheterodyne Receiver in Phono-Radia cabinet with Dual Speed Phonograph Motor and Electric Pick-up. Plays 78 and 33 R.P.M. records. For operation on 105-120 volts, 50-60 cycles AC. Complete with tubes. Dimensions: 42" high, 27 $\frac{1}{2}$ " wide and 19" deep. Shpg. wt., 182 lbs. Code Fatum. List price \$189.00.  
**Your Cost** ..... **\$94.50**

**Model F-47**—Same as Model F-46, but radio has additional European band from 850 to 2000 meters. Code Filbus. List price \$199.00. **Your Cost** ..... **\$99.50**

Add \$7.50 if desired with Special Lafayette Hi-Fidelity Speaker.  
Models F-46 and F-47 available at 200-240 volts at an additional \$5.00.

## LAFAYETTE 10-TUBE "LITTLE SYMPHONY" ALL-WAVE SUPER WITH TWO SPEED PHONOGRAPH COMBINATION

THE handsome hardwood mantel combination cabinet illustrated at the left houses the Lafayette 10-Tube Deluxe All-Wave receiver and a powerful dual speed phonograph motor and electric pick-up. Phonograph recordings (either 78 or 33 $\frac{1}{3}$  R.P.M.) and the most wonderful radio entertainment being broadcasted is thus placed at your disposal.

**Model F-49**—Lafayette 10-Tube Deluxe Armed Nerve Center All-Wave Superhet Phono-Radia Combination with dual speed motor and pick-up. For 105-120 volts, 60 cycles AC. Complete with tubes. Dimensions: 26 $\frac{1}{4}$ " high, 16 $\frac{3}{4}$ " wide and 16" deep. Shpg. wt., 80 lbs. Code Fugas. List price \$165.00.  
**Your Cost** ..... **\$82.50**

**Model F-50**—Same as Model F-49, but with additional European band from 850 to 2000 meters. Code Feras. List price \$179.00.  
**Your Cost** ..... **\$89.50**

Models F-49 and F-50 available for 200-240 volts at an additional \$3.00.

**\$82.50**  
**PHONO-RADIO WITH TUBES**

### HIGH FIDELITY SPEAKER

The receivers described on this and the following page are regularly supplied with a 10-inch dynamic speaker. They can be obtained with a special 12-inch Lafayette Hi-Fidelity speaker. This speaker fits the console cabinets only. If desired, add \$7.50 to prices quoted.



# ALL-WAVE, SUPER-HET!

## CONSOLE AND MANTEL MODELS

**B**OTH the Four Band and Five Band models of the Lafayette 10-Tube All-Wave Armored Nerve Center Superheterodyne are available in the cabinets shown on this page.

The Mantel Cabinet illustrated below is an exquisite piece of radio furniture constructed of selected American hardwoods. Straight grained American walnut, rich Claro walnut and fine burl maple are used in a semi-modernistic design that cannot fail to please the most critical person.

The Console Cabinet cannot adequately be described; it must be seen to be appreciated. Two-toned butt walnut with overlays of birdseye maple are blended in a design that is truly matchless. A straight line effect is used throughout, presenting an overall appearance that is artistic, but in no way "flashy".

### LAFAYETTE ARMORED NERVE CENTER ALL-WAVE SUPERHETERODYNE Four Bands — 14 to 550 Meters

#### CHASSIS ONLY

**Model F-62**—CHASSIS only with matched 10-inch dynamic speaker and tubes. For 105-120 volts, 50-60 cycles AC. Dimensions: 9" high, 13½" wide and 10" deep. Shpg. wt., 40 lbs. Code Gefre. List price \$99.90. **Your Cost** ..... **\$49.95**

**Model F-63**—Same as above except for 200-240 volts, 25-60 cycles AC. Shpg. wt., 42 lbs. Code Galic. List price \$105.00. **Your Cost** **\$52.50**

#### MANTEL CABINET

**Model F-60**—Lafayette 10-tube Armored Nerve Center All-Wave Superheterodyne Receiver in the Mantel Cabinet illustrated below. Complete with 10" dynamic speaker and tubes. Dimensions: 21¼" high, 16" wide and 12¼" deep. For 105-120 volts, 50-60 cycles AC operation. Shpg. wt., 55 lbs. Code Gayre. List price \$115.00. **Your Cost** ..... **\$57.50**

**Model F-61**—Same as above, but for 200-240 volts, 25-60 cycles AC. Shpg. wt., 57 lbs. Code Ginza. List price \$119.90. **Your Cost** ..... **\$59.95**

#### CONSOLE MODEL

**Model F-25**—Lafayette 10-tube Armored Nerve Center All-Wave Superheterodyne Receiver in the attractive Console Cabinet illustrated at the upper right hand corner of this page. Dimensions: 38¼" high, 22½" wide and 13½" deep. Complete with tubes. For operation on 105-120 volts, 50-60 cycles AC. Shpg. wt., 85 lbs. Code Fanus. List price \$129.00. **Your Cost** ..... **\$64.50**

**Model F-26**—Same as above, for 200-240 volts, 25-60 cycles AC. Code Foeda. List price \$133.50. **Your Cost** ..... **\$66.75**

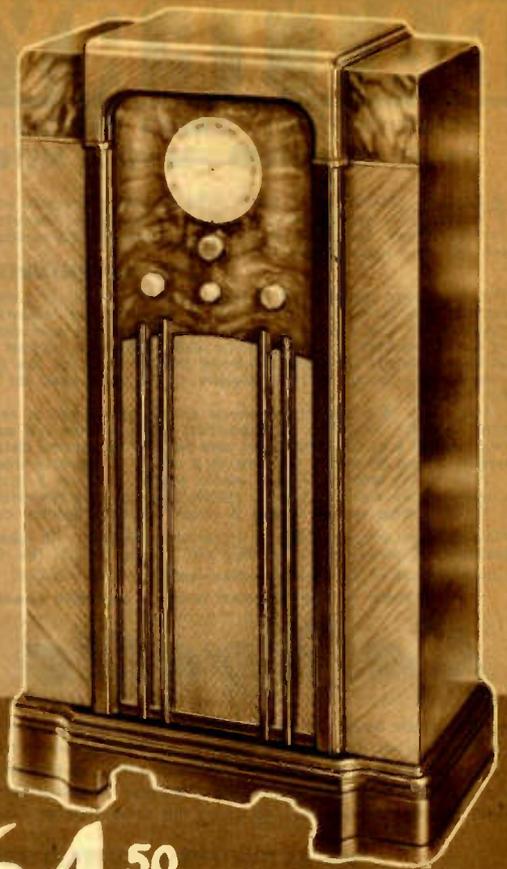
### LAFAYETTE 10-TUBE EUROPEAN MODELS Five Bands — 14 to 2000 Meters

**Model F-58**—Lafayette 10-Tube Five Band Armored Nerve Center All-Wave Superheterodyne CHASSIS ONLY, with matched 10-inch dynamic speaker and tubes. For 110-220-240 volts, 25-60 cycles AC operation. Dimensions: 13½" wide, 10" deep and 9" high. Shpg. wt., 42 lbs. Code Gongga. List price \$115.50. **Your Cost** ..... **\$57.75**

**Model F-59**—Lafayette 10-Tube Armored Nerve Center Five Band Superhet Receiver in Mantel Cabinet illustrated at the right. Complete with 10-inch speaker and all tubes. Dimensions: 21¼" high, 16" wide and 12¼" deep. For 110-220-240 volts, 25-60 cycles AC operation. Shpg. wt., 57 lbs. Code Goyer. List price \$129.50. **Your Cost** ..... **\$64.75**

**Model F-43**—Lafayette 10-Tube Armored Nerve Center Five Band Superhet in Console Cabinet illustrated above. Dimensions: 38¼" high, 22½" wide and 13½" deep. Complete with tubes. For operation on 110-220-240 volts, 25-60 cycles AC. Shpg. wt., 87 lbs. Code Feticco. List price \$143.90. **Your Cost** ..... **\$71.95**

SPECIFY VOLTAGE CONNECTION REQUIRED



\$ **64.50**  
WITH TUBES



\$ **57.50**  
WITH TUBES

# BATTERY SETS for FARMERS!

**FOUR DISTINCT TUNING RANGES: 180 TO 560 METERS,  
71 TO 187 METERS — 30 TO 71 METERS — 15 TO 30 METERS**

FARMERS, LUMBERMEN, RANCHERS and other people who live away from electric lines have been badly neglected in the past by radio set manufacturers. Lafayette engineers, after a careful survey, have developed a new line of economical all-battery operated receivers that are fully the equal of the AC models.

## THE ADVENTURER

This is a truly sensational 10-tube All-Wave receiver covering ALL bands between 15 and 560 meters. This range is divided into four bands as follows: one from 180 to 560 meters which takes in all the American broadcasting stations and many police stations, the second from 71 to 187 meters includes police calls, amateur, airport and aircraft stations, the third from 30 to 71 meters includes the band that is used for the foreign short wave broadcasts in the evening, the fourth, 15 to 30 meters, is the band used for foreign short wave broadcasts during the daytime.

Ten tubes in a superheterodyne circuit assure you of real performance. One type 34 tube is used as a R.F. amplifier on Broadcast Band, a type 1C6 as combined modulator and oscillator, two type 34's as I.F. amplifiers, one type 30 as second detector A.V.C., and four type 30's in the audio system of which two are in a class "B" output stage, final tube is a voltage regulator.

With a 1½ watt push-pull audio system and an 8 inch motor magnetic speaker, the tone quality of the Adventurer will satisfy the most discriminating tastes. An airplane type dial with a 20 to 1 ratio makes tuning a simple matter. Battery current consumption is extremely low.

Model F-55—Lafayette 10 Tube Adventurer Chassis with tubes and speaker, but less batteries. Dimensions: 13¼" x 9¾" x 10". Shpg. wt., 31 lbs. Code Conf. Your Cost **\$35.95**  
Complete set of Burgess Batteries and Eveready Air-Cell. Shpg. wt., 85 lbs. **\$10.40**

If desired with permanent magnet dynamic speaker add \$5.50 to above price.



Model F-55—Lafayette Adventurer in Mantel Cabinet with tubes but less batteries. Dimensions: 18¾" high, 15½" wide and 10" deep. Shpg. wt., 45 lbs. Code Canse. **\$41.50**  
Your Cost .....

## Lafayette 6 tube SUPER-HET!

**\$21.95**  
WITH TUBES

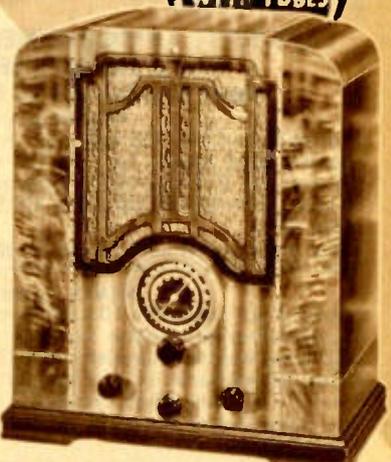
YOU would have to be told that this was a battery operated receiver . . . because you would never guess it by just listening to it. It has power — tone quality — selectivity — sensitivity — all those things you associate with a modern up-to-date electric receiver . . . yet it operates entirely from batteries. No longer need you be penalized because you do not have house current available. Now you can enjoy the same type of reception that city dwellers enjoy.

### SIX ACTIVE TUBES—SUPERHETERODYNE CIRCUIT

Six of the latest most improved type tubes are used in a highly selective and sensitive superheterodyne circuit including: one type 6A7 dual purpose tube that acts as both oscillator and mixer, two type 34 tubes as intermediate frequency amplifiers, one type 30 as A.V.C. tube and another 30 as second detector followed by a type 33 pentode power output tube. The frequency range is from 190 to 550 meters. A large reduction type airplane dial makes tuning a simple matter. And the use of a pre-selector stage tuned by one section of the three-gang condenser provides excellent selectivity and assures ample separation between stations.

Model A-83—Lafayette "Country Gentleman" 6-Tube Battery Receiver complete with tubes, but less batteries. Dimensions: 16½" x 8" x 13½". Shpg. wt., 18 lbs. Code Ephor. **\$21.95**  
List price \$43.90. Your Cost .....

Complete set of Ben Hur batteries including 1-22½ V "C", 3-45 V "B" and 1-Burgess "A" Pack. Shpg. wt., 48 lbs. Your Cost **\$5.00**



## Lafayette 32 VOLTS 6 tube SUPER-HET

**\$36.95**  
WITH TUBES

OWNERS of 32 volt Delco and similar farm power plants can now enjoy the same fine quality of reproduction as their urban friends who have regular 110 volt house current available. This new Lafayette 32 volt receiver is a full size 6-tube superheterodyne using the new 6.3 V series of tubes including 1-6B7, 1-6D6, 1-6F7, 1-12A5 and 2-12Z3's.

### SEPARATE HIGH VOLTAGE B SUPPLY

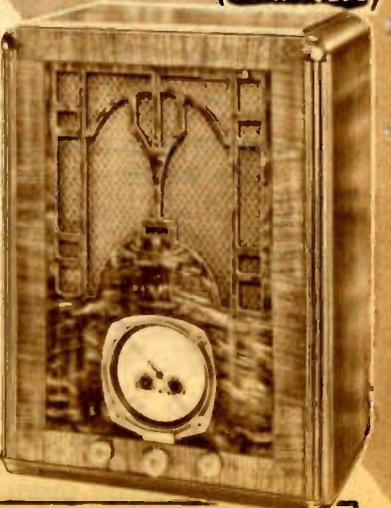
All B and C voltages are secured from a separate vibrator type power pack. This unit is the real reason for the excellent performance of this receiver and is an exclusive Lafayette development. The total current drain of the receiver is only 50 watts — no more than an ordinary lamp!

### SUPERHETERODYNE CIRCUIT

A highly selective and very sensitive superheterodyne circuit is used in this remarkable receiver. A special pre-selector stage is tuned by one section of the three-gang condenser and provides an exceptionally high image ratio thus greatly improving the selectivity of the receiver. Both automatic volume control and a full range tone control are included. The speaker is of the dynamic type and the dial is a large full vision airplane type. Both volume and tone settings are recorded by special indicators mounted directly on the dial face, and governed by the control knobs. A Vernier reduction drive ratio makes critical tuning simple.

Receiver is housed in the attractive Mantel cabinet illustrated at the right. Constructed of selected hardwoods blended in a neat design, it cannot fail to grace any set of furniture.

Model B-44—Lafayette 32 volt Receiver complete with tubes and Mantel Cabinet. 32 volts DC only. Dimensions: 16" wide by 20¾" high by 11" deep. Shpg. wt., 38 lbs. Code Conno. Your Cost **\$36.95**



**FREE S.W. STATION LIST AND TUNING HINTS WITH EACH RECEIVER**

# The THRILL of BUILDING YOUR OWN with RECEIVER KITS... at BARGAIN PRICES!

**BUILD THIS PROFESSIONAL TYPE 9-TUBE SUPER AND ENJOY REAL RESULTS ON ALL HAM BANDS!**

THE new Model XY22069 9-Tube Band Switching "Ham" Superheterodyne enables the amateur to bring the receiving end of his station up-to-date at a reasonable cost. Supplied in kit form, with the chassis accurately formed and drilled, this set can be assembled and wired in a couple of evenings.

### PRE-ASSEMBLED TUNING UNIT

Admittedly it is very difficult for the average amateur, with his limited cellar or attic facilities, to assemble and line up a four-range coil unit with its complicated switch. You are saved this trouble in the Model kit, for the entire coil-switch assembly is furnished as an assembled and wired unit.

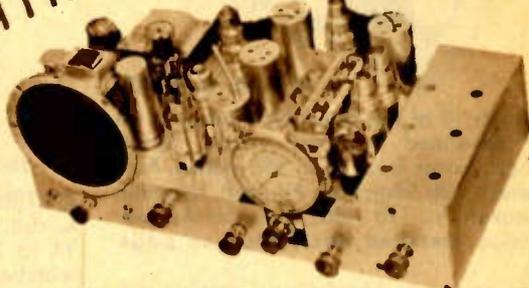
### HIGH GAIN CIRCUIT

The sensitive circuit uses nine of the latest high gain tubes. A 6D6 works as R.F. amplifier on all bands. This is followed by a 6C6 converter, a 4I oscillator, 6D6 first I.F., 6B7 second I.F., diode detector and a.v.c. tube, 76 A.F. amplifier, 42 output tube, 76 beat frequency oscillator and 80 rectifier. A special three-position switch cuts in the a.v.c. for phono reception in the first position; cuts it out and throws in manual control, in the second position; and cuts in manual control and the beat oscillator for C.W. reception in the third position. This makes for operating convenience and gives the operator any desired degree of control.

### DEMOUNTABLE POWER UNIT

The six-inch dynamic speaker, power pack and audio output stage are all on a demountable chassis unit. If desired, it may be unmounted and placed a short distance from the tuner. A crackle finished front panel is supplied. The whole completed receiver measures 20 1/4 inches long, 9 inches high and 10 1/2 inches deep.

A Professional Type "HAM" RECEIVER!



### DOUBLE SPEED BAND SPREADING DIAL

Wide band spreading on any part of the tuning range is afforded by means of a double speed dial. For quick tuning, a ratio of 25:1 is used. For band spreading, another drive mechanism giving a ratio of 125:1 is thrown in.

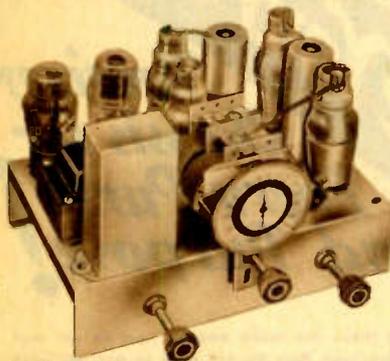
### ALL WAVE COVERAGE

Four separate wave bands are provided in the following steps: 9.7 to 30 meters (31 to 10 mc.); 30 to 75 meters (10 to 4 mc.); 75 to 200 meters (4 to 1.5 mc.) and 200 to 560 meters (1.5 mc. to 540 kc.).

Model XY22069—Lafayette 9-Tube Amateur Superheterodyne in kit form. Complete parts, less tubes, including speaker. For 50-60 cycles, 11-125 volts. Diagrams and instructions furnished. Shpg. wt., 35 lbs. Code Labros. List price \$69.90.

Your Cost ..... **\$36.75**  
 Kit of tubes. Your Cost ..... \$4.50  
 Special black crackle finish metal cabinet for some. Your Cost \$7.50  
 Kit wired in laboratory ..... \$7.50 extra

## 6-TUBE AC LONG AND SHORT WAVE SUPERHET



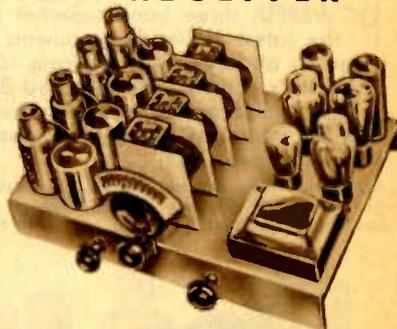
SHORT-WAVE "DX" fans will especially appreciate the new Trutest 6-Tube "Skip Band" receiver kit, for it takes in not only the entire domestic broadcast band from 200 to 550 meters, but the important foreign channel from 17.6 to 50 meters as well. It is so easy to assemble and wire that even a novice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

the first time he turns it on. The diagrams and instructions are very explicit and the parts fit perfectly on chassis.

This is an all AC receiver, using the sturdy 6.3 volt series of tubes. The 6A7 is the first detector-oscillator, working into two I.F. stages employing 6D6's. A type 75 tube performs the multiple functions of second detector, automatic volume control tube and first audio amplifier, and feeds a type 42 output tube. The rectifier is an 80. With two I.F. stages and automatic volume control, the "Skip Band" receiver is a set that you will be proud to demonstrate as a product of your mechanical skill. A 6 inch dynamic speaker, whose field coil is part of the receiver's filter system, is supplied separately. Chassis measures 10 1/4"x6 1/2"x7" high overall.

Model XY22012—Trutest 6-tube "Skip Band" kit of parts, less tubes and speaker. Shpg. wt., 17 lbs. Code Leram. **\$16.50**  
 Your Cost .....  
 Special 6 inch dynamic speaker ..... \$3.45  
 Matched kit of Lafayette tubes ..... \$3.25

## 8-TUBE T.R.F. RECEIVER KIT



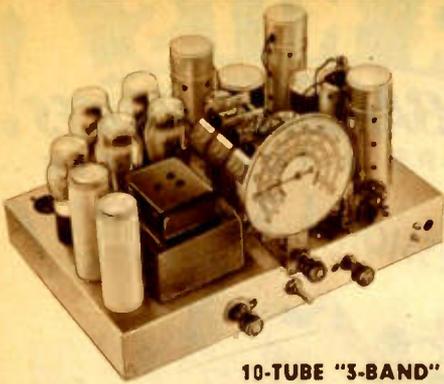
THE Trutest ADVANCED ECONOMY 8 is without doubt one of the best broadcast receiver kits available on the market today. It is a real, man-sized outfit, the formed metal chassis measuring 12" deep, 16 1/2" wide and 7 1/4" high. The neat appearance and logical arrangement of the parts never fail to arouse favorable comment. Each component has been carefully designed to provide an ample safety factor, resulting in a finished unit that will give trouble-free service.

For the service man or custom-set builder the ADVANCED ECONOMY 8 is a sure-fire money maker. It can be assembled in a short period of time, the only tools necessary being pliers, screwdriver and soldering iron. Installed in a console cabinet, along with a dynamic speaker, it attracts attention from people interested in high quality radio apparatus — people who have money to spend.

The reliable, time-tried T.R.F. circuit makes the ADVANCED ECONOMY 8 a real performer, with sensitivity, selectivity and power much in excess of normal requirements. Three stages of R.F. using type 6D6 pentodes work into a type 6C6 detector; a 76 first audio and two 42's in the output stage and type 80 rectifier. The audio output is 7 watts. For general smoothness of operation this combination is unbeatable.

Model XY22037—Trutest Economy 8-Tube Kit, less tubes and speaker. Shpg. wt., 28 lbs. Code Trute. List price \$35.00. **\$14.95**  
 Your Cost .....  
 Model XY22038—Matched 10" Dynamic Speaker. Shpg. wt., 10 lbs. Your Cost ..... \$5.95  
 Kit of 8 matched tubes. Shpg. wt., 7 lbs. Your Cost ..... \$4.00  
 The Kit is shipped complete with all necessary instructions and diagrams for easy, quick assembly.

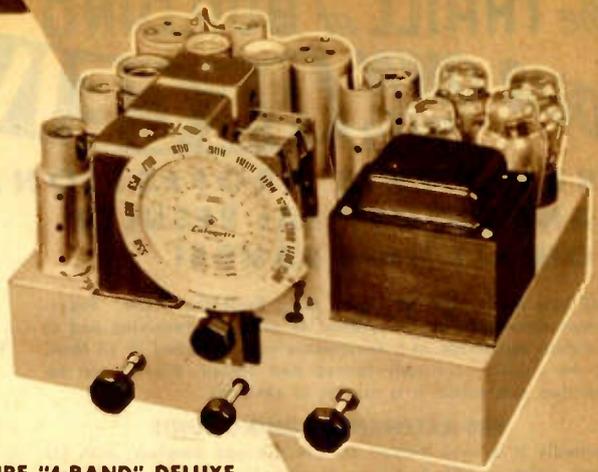
For ADDITIONAL RECEIVER KITS -- See Page 80



**10-TUBE "3-BAND"**

USES 10 of the latest type tubes in an advanced superhet circuit. Three ranges cover from 18 to 550 meters. Furnished with matched 9½-inch dynamic speaker. For 110 volts, 60 cycles AC operation. Detailed description on page 11.

Lafayette 10-Tube 3-Band Chassis complete with all tubes and matched 9½-inch dynamic speaker. Your cost..... **\$33.50**

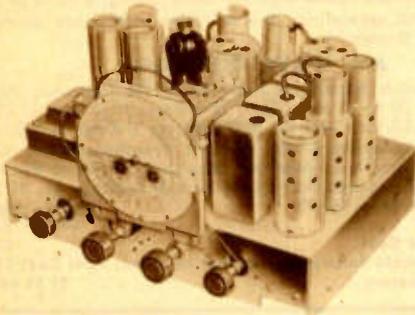


**10-TUBE "4-BAND" DELUXE**

EXTREMELY powerful superhet circuit. covers a tuning range from 14 to 200 meters. Comes with a matched 10-inch dynamic speaker. For use on 110 volts, 60 cycles AC. Detailed description on pages 14-17.

Lafayette 10-Tube 4-Band Chassis complete with all tubes and matched 10-inch speaker. Your Cost ..... **\$49.95**

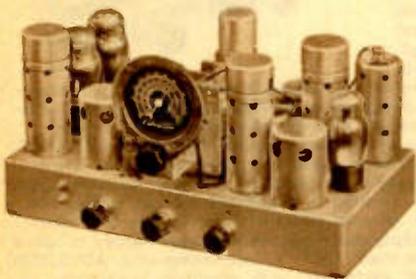
Similar to above but with five bands 15 to 2000 meters. \$57.75



**7-TUBE DELUXE**

POWERFUL three band superhet using the latest radio developments. R.F. stage on all bands. Covers from 16.4 to 566 meters. Comes with matched 8-inch dynamic speaker. For operation on 110 volt, 60 cycles AC. Complete description on pages 12-13.

Lafayette 7-Tube DeLuxe Chassis, complete with all tubes and 8½-inch dynamic speaker. Your Cost..... **\$31.50**



**7-TUBE "AIR CRUISER"**

NEW three band superhet covering range from 18 to 550 meters. Airplane dial has individually calibrated bands. Unusually sensitive and selective. Comes with 8-inch Electro-Dynamic speaker. For operation on 110 volts, 60 cycles AC. Full description on page 10.

Lafayette 7-Tube "Air Cruiser" Chassis, with all tubes and 8-inch dynamic speaker. Your Cost..... **\$24.95**

*Bring Your Old Set*  
**UP-TO-DATE**  
*Save Your Cabinet*  
**Receiver**  
**Chassis for**  
**Every Purse!**  
**and Purpose!**

It is unquestionably true that there are many people who do not own "up-to-date" radios solely because they do not wish to part with the beautiful pieces of radio furniture they now own. It is also true that many people cannot secure a radio in a cabinet that meets with their approval or one that blends harmoniously with the furniture they now possess.

With these facts in mind, Lafayette Radios are available in chassis form. Now it is only necessary to select the type of radio he desires, and then have it mounted into his favorite cabinet, old or new.

The models described and illustrated above offer a selection that covers the requirements of a great majority of the purchasers of quality equipment. In all cases, every modern advancement in radio design has been incorporated into the finished design of the receiver. Police calls, European stations, airplane calls, amateurs and, of course, the American broadcast stations are placed at your command through the medium of these superlative sets. Most important, although quality has been in no way sacrificed, they are priced low. For complete satisfaction, we heartily recommend the purchase of a Lafayette Chassis..

## THE AUBURN 12-TUBE MAGNIFICENT FOR THE DISCRIMINATING BUYER

FOR those discriminating buyers who want a powerful, precision built instrument of the utmost capabilities, with quality and not price the first consideration, we recommend the Auburn Model C-75 12-Tube Magnificent, a set that lives up to its name. For convenience in mounting in console cabinets, this set is made in three sections: radio tuner, audio amplifier and 12-inch concert grand dynamic speaker.

### EASILY OPERATED BAND SPREAD SYSTEM

The Model C-75 uses the famous Auburn band s-p-r-e-a-d system that makes foreign-station tuning just as easy as domestic reception. There is no crowding on any wavelength; the band spreader has the effect of enlarging the dial many times. All the short-wave channels from 12.5 to 200 meters, as well as the regular 200-550 meter broadcast band, are completely covered, with plenty of overlap, so that there are no "dead areas". Foreign broadcasters, ships at sea, airplanes in flight, amateurs and police stations will come in by the hundred.

Fractional microvolt sensitivity (.8 to 1.5 microvolts absolute) is your guarantee of loud speaker signals on short-wave and broadcast stations all over the world. Other features include automatic volume control, automatic compensated tone control, rubber mounted chassis, and provision for all types of antennas. Tubes used are: 3-78, 1-6A7, 1-76, 1-85, 1-80 in the tuner; 2-76, 2-42, 1-80 in the amplifier.

**Model C-75—Auburn 12-Tube Magnificent All-Wave Superheterodyne chassis and speaker, with tubes, less cabinet.** Tuner dimensions: 12½" wide x 10" high x 11" deep. Amplifier dimensions: 13" wide x 7" high x 8½" deep. For 50-60 cycles, 110-125 volts. Shpg. wt., 60 lbs. Code Daran. Your Cost... **\$69.95**

**Model C-76—Chassis, speaker and tubes with 5 bands 12-2000 meters.** For 110-250 volts AC, 25-60 cycles. Code Damas. Your Cost... **\$79.95**

## THE AUBURN MODEL C-92 — 8-TUBE SUPER GIVES ENJOYABLE EUROPEAN RECEPTION

THE Auburn Model C-92 8-tube Superheterodyne gives the public what it wants in a modern radio receiver—enjoyable reception of European and other foreign stations. The patented AUBURN band s-p-r-e-a-d dial permits elusive stations to be tuned in as readily as any local broadcaster. Sensitivity of the C-92 is from .8 to 1.5 microvolts which means that the C-92 will miss nothing on the air.

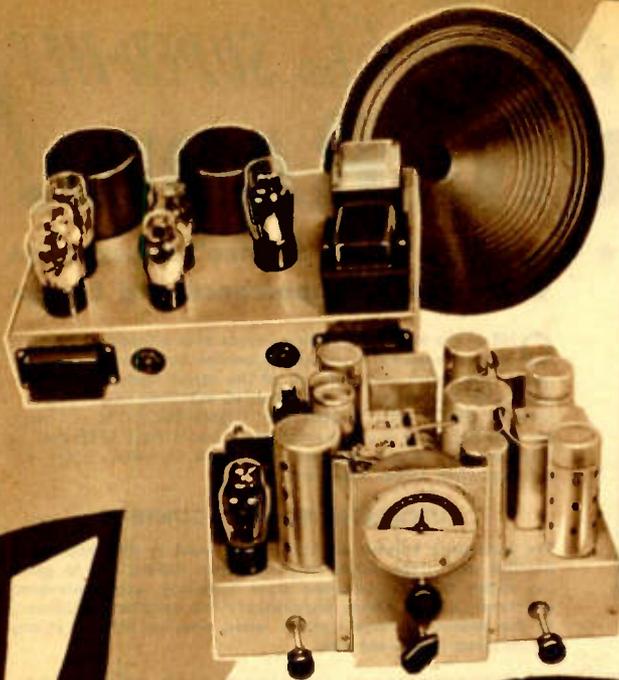
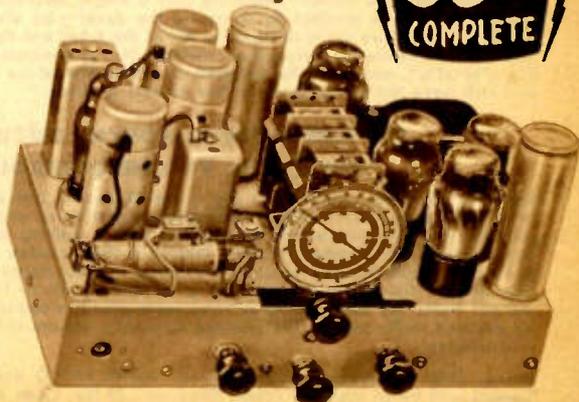
A novel and valuable feature is the TONE COMPENSATOR which lifts the bass notes as the volume is cut down, thus maintaining full natural tone at low volume. Frequency range of the C-92 is from 540 to 25,000 KC (12-555 meters). Superheterodyne circuit uses 3-78's, 1-85, 1-6A7, 1-76, 1-42 and 1-80.

**Model C-92—AUBURN 8-Tube All-Wave Superhet Chassis, with tubes and speaker but less cabinet.** Dimensions: 13¼" wide x 8½" high x 11¼" deep. Shpg. wt., 29 lbs. Code Gades. **\$42.50** List price \$85.00. Your Cost.....

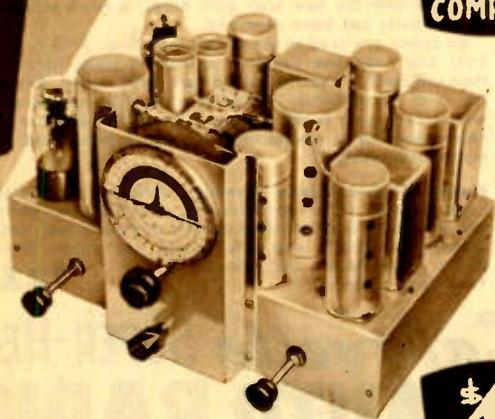
**Model C-93—AUBURN 8-Tube Chassis, speaker and tubes with FIVE BANDS 12-2000 meters.** For 110-250 volts, 25-60 cycles, Code Galen. Your Cost..... **\$49.50**

12.5~30 72-200  
29-75 190-570 METERS

**\$33.95**  
COMPLETE



**\$69.95**  
COMPLETE



**\$42.50**  
COMPLETE

## THE AUBURN "FULL RANGE" QUALITY BRINGS YOU MAGNIFICENT MUSIC!

WITH new, high powered, full-Range broadcasting stations springing up all over the country, every lover of music will want to enjoy their marvelous programs by obtaining a receiver that does justice to the transmissions. The new Auburn 8-tube, four-band full-Range Superheterodyne is the answer! It uses a specially designed I.F. and A.F. amplifying system that readily passes frequencies well over 5000 cycles, which means that you can hear and appreciate the fine overtones that contribute so much to the quality of music.

This new Auburn creation is an all-wave as well as a "full-Range" receiver. The standard model tunes in four bands from 12.5 to 570 meters, and special models are available for the long-wave European bands.

Sensitivity and selectivity are of a high order, due to the use of an advanced circuit comprising a 58 R.F. stage, 2A7 first detector-oscillator, 58 I.F., 2A6 second detector, a.v.c. tube and first audio amplifier, 2A5 as a triode in driver stage, and push-pull A prime 45's, with tremendous output of 15 watts, with 80 rectifier.

**Model C-50—Auburn 8-Tube "full-Range" All-Wave Superheterodyne chassis, with tubes and dynamic speaker.** 12.5-570 meters. For 50-60 cycles, 110-125 volts. Dimensions: 12"x7¼"x8¼" deep. Shpg. wt., 30 lbs. Code Gonda. **\$33.95** Your Cost.....

For 220-volt operation, \$1.95 additional.

\$ 22<sup>95</sup>

# Lafayette 6 tube SUPER-HET AUTO RADIO!



- ★ Single Unit "Quick Service" Construction
- ★ Modern in Appearance and Design

ONE of the most outstanding values ever offered in an Auto Radio Receiver! A six tube Superhet Auto Radio using the latest type tubes and with all of the latest features such as AIRPLANE TYPE DIAL . . . AUTOMATIC VOLUME CONTROL . . . SINGLE UNIT "QUICK SERVICE" CONSTRUCTION . . . Etc., for only \$22.95. It is not a small set - but is FULL SIZE and, in addition, has many features not found in other, more expensive, auto radio receivers.

### AUTOMATIC VOLUME CONTROL

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

### EXCEPTIONALLY SENSITIVE AND SELECTIVE

Six tuned circuits (not including the oscillator tuning) make this one of the most selective auto radio sets ever built. And through the use of high gain coils in the R.F. and I.F. stages together with the new high gain tubes, a remarkable degree of sensitivity has been obtained.

Six tubes are used in the circuit including: 2-78's, 1-77, 1-75, 1-41 and 1-84. The output is actually 3 watts which is more than sufficient to override all car and road noises. Remote control is of the indirectly lighted airplane type and is equipped with a lock type switch to prevent unauthorized use. The receiver housing is attractively finished in black and silver in modernistic design.

Model AM-20-Lafayette "Rambler" Auto Radio complete with Suppressor Kit for six cylinder car, airplane type remote control, two foot remote control cables, and kit of matched tubes. Dimensions: 10½" long, 7½" deep, 6¾" high. Shpg. wt., 25 lbs. Code Bosun. List price \$43.90.

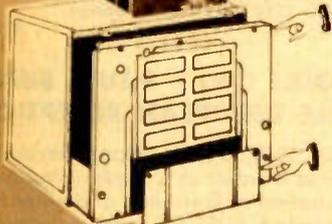
Your Cost - Special..... **\$22.95**

### SINGLE UNIT "QUICK SERVICE" CONSTRUCTION

ENTIRE chassis can be removed for service merely by loosening four wing-nuts!

Vibrator can be inspected or replaced without removing chassis from car! One of the outstanding features of this remarkable

receiver is the single unit construction that permits the removal of the entire chassis for service merely by loosening four wing-nuts! The entire chassis is constructed utilizing the same principles used in the construction of the ordinary type home radio - everything is easily accessible - no trick mountings that cause "headaches" when servicing. The receiver housing remains permanently attached to the car and need not be removed at any time.



# SUPPRESSORLESS! Lafayette SUPER-HET! "TRIPLE FILTERED" AUTO RADIO!

AGAIN Lafayette presents something new and worthwhile - a "triple-filtered" Auto Radio that eliminates the need for suppressors in 98% of the installations made in modern automobiles! Every possible "noise entrance point" has been carefully filtered to guard against the pickup of interfering noises. It is practically noise-proof!

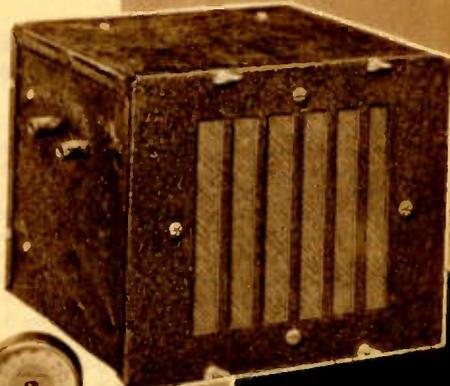
### COMPACT-ACCESSIBLE CONSTRUCTION

It is a simple set to mount - requiring only a single mounting hole - and it is a still simpler set to service! By dropping the cover - on which is mounted the speaker - the entire set is accessible! All of the tubes are right there in front of you and can easily be removed or inserted. It is a compact set measuring only 8¼" x 7½" x 7¼", and it can be mounted on either side of the car - right or left - and still have the set mounted in the correct position.

### SIX TUBE SUPERHETERODYNE CIRCUIT- AUTOMATIC VOLUME CONTROL

Six tubes are used including two 6D6's, one 75, one 41, one 6A7 and one 84. The three gang condenser is rubber cushioned against shock and vibration. And the airplane type remote control is equipped with a locking device that prevents unauthorized use. Another valuable feature is the inclusion of a tone control - this together with the six-inch electro-dynamic speaker accounts for the excellent tone quality. Selectivity is especially good and sensitivity is less than 1 micro-volt per meter! An audio output of three watts provides ample volume to override all car and traffic noises. The positive automatic volume control keeps the volume constant.

Model C-60 - Lafayette "Triple Filtered" AUTO RADIO complete with Remote Control and Kit of Matched Tubes. Shpg. wt., 29 lbs. Code Auric. **\$24.95**  
List price \$49.90. Your Cost.....



\$ 24<sup>95</sup>

# Lafayette CUSTOM-BUILT DeLuxe SUPER HET AUTO RADIO!

\$ 28<sup>95</sup>

- ★ "Full Range" Reproduction for your car!
- ★ Maximum Practical Sensitivity and Selectivity

A DELUXE Custom-Built receiver in the design of which all price considerations were forgotten. It incorporates every worthwhile feature known in auto radio design today. A mere listing of its features, however, gives no inkling of the great care that was taken in the application of these features in this particular receiver—the Lafayette Road King.

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

### AUTOMATIC VOLUME CONTROL

A special long range automatic volume control incorporated in the circuit eliminates the need for constant adjustment of the manual volume control when passing between steel buildings, under bridges, etc., in order to maintain a constant volume level. This feature also minimizes the annoyance caused by "blasting" when tuning from weak to strong stations.

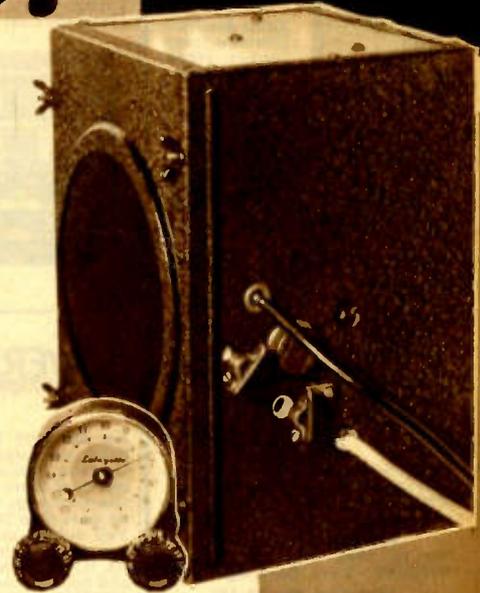
### FULL RANGE TONE CONTROL

A full range tone control, operated by means of a knob on the side of the housing, enables immediate selection of either high or low notes.

### NON-GLARE AEROPLANE REMOTE CONTROL

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

Model L-30—Lafayette "Road King" Auto Radio complete with suppressor kit for six cylinder car, airplane type remote control. Two-ft. remote control cables, and kit of matched tubes. Dimensions: 10"x6 1/2"x7". Shpg. wt., 30 lbs. Code Cabre. List price \$57.70. Your Cost..... **\$28.95**



# New! Better! SUPER HET Lafayette DASH-BOARD MOUNT! AUTO RADIO!

- ★ Mount it anywhere!
- ★ Airplane Dial
- ★ No Rectifier—All Tubes Amplify
- ★ Automatic Volume Control

At last a refreshingly new idea in auto radios. A particularly handsome dashboard or roof mounted receiver that is extremely simple and unusually sturdy in construction. Just mount the receiver wherever you prefer — it is equally adaptable for mounting to the dashboard — to the back of the front seat — or to the ceiling. Installation requires but a few minutes and for service the entire receiver can be removed from the car merely by loosening two screws.

### HIGH SENSITIVITY ASSURES GOOD RECEPTION

With a sensitivity of one microvolt absolute (per 4 meters) the Lafayette 5 tube Superhet is superior to many home receivers in its ability to pick up stations. On any road that an automobile can travel you will always have plenty of radio entertainment. The full range automatic volume control holds the signals steady as you go over hills or down into valleys and prevents blasting as you tune from one station to another. The airplane type dial is particularly easy to read.

### NEW TYPE TUBES—LOW CURRENT DRAIN

Five late type tubes are used including: 2-6D6, 1-6C6, 1-75 and 1-41. Note that all are active tubes — no rectifier. Full 5 inch electro-dynamic speaker.

Model B-62—Lafayette 5 Tube "Dash-Board" Mount Auto Radio complete with tubes and kit of suppressors for 6 cylinder car. Dimensions: 12"x8"x4". Shpg. wt., 21 lbs. Code Covey. List price \$39.00. Your Cost..... **\$19.95**

\$ 19<sup>95</sup>

# AUTO RADIO

## UTAH "B" Eliminator



For  
Majestic  
Model 66

Exact duplicate. Contains transformer, vibrator, filter condensers and type 84 rectifier tube. In heavy

metal container. Complete instructions included. Shpg. wt. 8 lbs.  
XN14232—Unit, with tube  
Your Cost **\$5.25**

## RCA M-34 Vibrator



The genuine factory Part No. 7604. Full wave type. Double shielded, noiseless operation.  
XC2598  
Your Cost **\$3.60**

Vibrator base only with filter condensers, for above. Part No. 6577.  
XN14154—Your Cost **47¢**

Vibrators For M-105  
Part No. 7689.  
XN14158—Your Cost **\$4.70**

Vibrators For M-107  
Part No. 7780.  
XN14156—Your Cost **\$2.98**

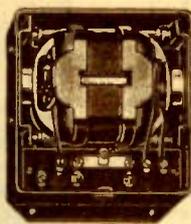
## Special 'Low Resistance' Auto Radio Fuses

Have resistance of approximately 25% to 30% lower than standard radio fuses.

Stock No.	Amps.	Your Cost Each
XL12320	5	<b>3¢</b>
XL12321	10	
XL12322	15	
XL12323	20	

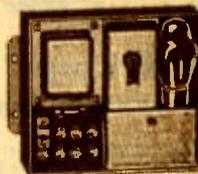
## GEN-E-MOTOR Auto "B" Eliminators

Combined motor and generator operating from a 6-volt storage battery. Can mount in exceptionally small space—3½x5¼x5¼". Each complete with latest type filter. Will carry up to 25% overload. Employs latest type ball-bearing motor. Shpg. wt. 17 lbs.



Stock No.	Out-put Volts	Inter. M.A.	Batt. Taps	Your Cost
XN14209	180	30	90	1.94
XN14210	200	40	None	2.75
XN14228	225	50	None	3.8
XN14229	250	50	None	4.2
For Police Cars				
XN14245	135	30	67½	1.1
For Sound Truck Equipment				
XN14224	275	120	None	9.0
XN14211	300	100	None	8.75
For 32 Volt Lighting Plants				
XN14213	135		67½	13.52
XN14222	180		90	13.52
XN14212	180		22½, 45, 67½, 90, 135	14.70

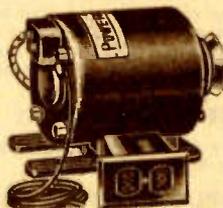
## General Multi-Tap Auto "R" Supply



Delivers well filtered A. C. from a 6 volt storage battery. Taps provided at 90, 135, 180 and 250 volts. Battery drain only 4.0 amperes at full load. Uses type 84 rectifier tube. In cadmium plated metal case 6¼x6¼x2¼". Shpg. wt. 15 lbs.  
XN14252—Power Supply, with rectifier tube.  
Your Cost **\$8.82**

## POWERACK Fan Belt Driven 110 Volt A.C. Generator

For use with P. A. systems, electric lights, neon signs, A. C.-D. C. sets, etc. Operates from any auto fan belt. Utilizes third brush generator; no connection to storage battery. Voltage varies no more than 10 volts at any car speed. Full output at idling speed. Comes complete with power switch, double outlet, B-X cable, mounting bracket, cables and full instructions. Shpg. wt. 50 lbs.  
X517212—175 Watt Output  
Your Cost **\$8.00**



**\$33.50**  
**\$46.50**

X517213—250 Watt Output  
Your Cost **\$8.00**

### Ford V-8 Mounting

Replaces part of the water pump housing and makes simple and efficient installation. Made of die-cast iron. Fits any 8 cylinder Ford. Shpg. wt. 7 lbs.  
X517214—Your Cost **\$8.00**

### Control Box

For either of the above model Poweracks. Contains 0-150 volt A. C. voltmeter, Wattage Regulator, Power Switch and Outlet receptacle. Just plug in and set wattage regulator at 110 volts. Shpg. wt. 5 lbs.  
X517215—Your Cost **\$8.00**

## GEN-E-MOTOR Motors



In cadmium plated case 2½x5¼x4". Replaces vibrator types. Shpg. wt. 8 lbs.

XN14201—Delivers 225 volts at 50 M. A. from 6 volt source. Drain 3.8 amperes.

XN14230—Delivers 250 volts at 50 M. A. from 6 volt source. Drain 4.2 amperes.

Your Cost Each, **\$7.64**

Either Type.....  
XN14233—Delivers 180 volts from a 32 volt source  
Your Cost Each **\$9.70**

Special Auto Radio Bulb  
Round bulb, miniature base. 6-8 volts, .015 amperes.  
XL12273—Your Cost **10¢**  
10 For **85¢**

## HERCULES Metal Car Antenna



Two-piece all metal adjustable antenna. 8" wide. Length variable from 3 to 4 feet. Equipped with 2 springs. Rainproof insulation Shpg. wt. 5 lbs.  
XY22043—Your Cost **\$1.10**

## One Piece Aerial



Made of one piece of heavy metal, and fully plated. Comes complete with springs, rubber grommets and all necessary hardware. Size 8x35". Shpg. wt. 5 lbs.  
XY22047—Your Cost **98¢**

## DX Auto Aerial



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

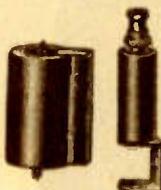
XY22041—Single Unit Aerial **\$1.25**  
Your Cost

XY22042—Two Units for Aerial **\$2.40**  
(Illustrated). Your Cost

## CRL Auto Suppressors

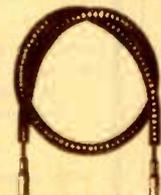
For use on the older type cars. Have bakelite sheaths. All fittings firmly anchored; no parts can loosen or cause noise. Cable type has two screw terminals.

XE5246—Spark Plug Type  
Your Cost Each **16¢**  
XE5247—Cable Type  
Your Cost Each **18¢**



## Quantity Limited! Remote Control Cables

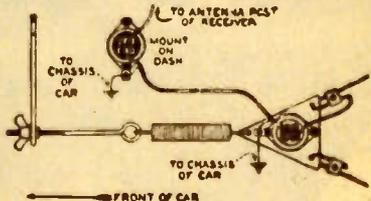
These cables, manufactured by the S. S. White Co., are the finest obtainable. Used by many well known set manufacturers as standard equipment on their auto sets. Ends cannot unravel. Both ends terminate in brass couplings ¼" in diameter. Six sizes available. Shpg. wt. 3 lbs.



Stock No.	Lgth. Ins.	Your Cost	Stock No.	Lgth. Ins.	Your Cost
XN14194	14	\$0.19	XN14197	38	\$0.49
XN14195	20	.25	XN14198	47	.69
XN14196	29	.35	XN14199	72	.85

Special Cable For  
Majestic, Clarion and A. K.  
Auto Sets  
Nine foot cable with 8 foot sheath.  
XQ16078—Your Cost **69¢**

## LYNCH Auto Antenna Systems



Kit A-1  
Contains 25 ft. "Hi-Mho" Antenna Wire, two rear axle insulators, one fly wheel housing insulator, 10 ft. lead-in wire and all connectors. Shpg. wt. 4 lbs.  
XN14191—Your Cost **\$2.05**

Kit A-2  
Contains 1 Receiver and 1 Antenna Impedance Matching Transformers, and 10 ft. of special shielded transmission line. Shpg. wt. 2 lbs.  
XN14192—Your Cost **\$3.00**

Kit A-3  
Complete kit. Contains everything in kits A-1 and A-2. Shpg. wt. 4 lbs.  
XN14193—Your Cost **\$4.70**

## Roof Antennas



Easily inserted by opening the roof lining about a foot and sliding in the antenna. Provides extremely good pick-up. Two sizes available. Shpg. wt. 3 lbs.  
XY22020—12x27"  
Your Cost Each **65¢**  
XY22021—12x35"  
Your Cost Each **70¢**

# ACCESSORIES



## Wire Wound Ignition Suppressors



Offer a high resistance to noise frequencies, yet permit ample flow of current for ignition purposes because of their low D.C. resistance (500 ohms). Will not cut down the speed of any car. Housed in bakelite casings. Two types available: for spark plug and for distributor.

8 oz.  
**XE5296**—Spark Plug Type.  
**XE5297**—Distributor Type.  
 Your Cost  
 Each,  
 Either Type. **29¢**

## BELDEN

### Tinned Copper Shielding



The finest copper shielding available. Fine mesh closely woven; assures perfect shielding. Shpg. wt. per 100 ft., 4 lbs.

**XQ16214**—Inside diam.  $1\frac{1}{4}$ " **2¢**  
 Your Cost Per Ft.  
**XQ16215**—Inside diam.  $\frac{3}{4}$ " **3¢**  
 Your Cost, Per Ft.  
 Per 100 ft. **\$2.45**  
**XQ16216**—Inside diam.  $1\frac{1}{4}$ " **6¢**  
 Your Cost, Per Ft.  
 Per 100 ft. **\$5.25**

## Distributor Silencer



A new and improved type which eliminates high frequency kick-backs and noise pick-up from the ignition coil. Has choke unit mounted inside the metal case, thus eliminating possibility of shorts to car

frame. Shpg. wt. 3 lbs.  
**XP14217**—Your Cost **59¢**

## "Sash Cord"

### Auto Antenna Wire



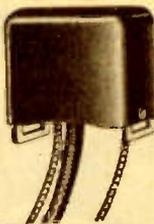
Designed expressly for use in construction of under car auto antenna. Consists of 42 strands of #27 copper wire wound on a base of heavy cotton. Has great tensile strength, is flexible, and provides greater pick-up than other types of auto aerial wire.

**XY20908**—  
 Your Cost, Per Foot **2¢**  
 25 ft. Coil **40¢**

## Trutest Automatic Battery Charge Rate Regulator

The Trutest Regulator advances the charging rate of the generator by approximately 5 amperes when the set or appliance is turned on, but automatically returns generator to the original charging rate when the equipment is not operating. Thus, generator and battery are saved from being overtaxed. Easily installed. Full instructions included. Shpg. wt. 2 lbs.

**XN14258**—Trutest Automatic Charge Rate Regulator.  
 Your Cost **\$2.25**



## New! SHERWOOD Master Filter

### Eliminates Individual Suppressors



This filter is designed to replace all resistors, suppressors or filters as used in connection with auto radio installations. The Sherwood Master Filter is placed in the distributor head only, thus eliminating the necessity for using any type of suppression on the spark plugs. Consists of eight individual coils wound into a master coil, having an A.C. resistance of 420 ohms at 3400 R.P.M. Constructed with solid bakelite housing that will resist heat of 400° and is moisture proof. Will stand up under continuous excessive vibration. Shpg. wt. 8 oz.

**XN14135**—Sherwood Master Filter.  
 Your Cost **\$1.60**

## BELDEN Shielded Auto Ignition Wire



**7 Millimeter**  
 Standard 7 mm. Lacquer braided wire covered by closely woven tinned copper shield. Shpg. wt., 100 ft. spool, 4 lbs.  
**XQ16221**—Per Foot **6¢**  
**XQ16222**—100 ft. spool.  
 Your Cost, **\$4.95**  
 Special

## Armored Cable



For auto, radio, outdoor, P. A. systems and oil burner installations. Armor when grounded acts as shield. Shpg. wt., per 100 ft., 8 lbs.

Your Cost  
**Stock No.** 1 Ft. 100 Ft.  
**XQ20855**—1-Cond.  $1\frac{1}{2}$ c \$1.40  
**XQ20856**—2-Cond.  $2\frac{1}{2}$ c 2.20  
**XQ20857**—3-Cond. 3c 2.50

## Shielded Loom



Standard Loom with a tinned braided shield on the outside. For shielding and protecting wiring in autos, etc. Will pass heavy wire. Shpg. wt. 1 lb., 10 ft.

Stock No.	In.	Your Cost	10 Ft.	50 Ft.
<b>XQ16146</b>	$\frac{1}{4}$ "	73c	\$3.30	
<b>XQ16147</b>	$\frac{3}{8}$ "	83c	3.75	
<b>XQ16148</b>	$\frac{1}{2}$ "	93c	4.25	

## Auto Ignition Wire



7 mm. black lacquered braided wire for automobile ignition and high tension work. Shpg. wt. 4 lbs.

**XY20852**—100 ft. **\$1.95**  
 Your Cost  
 9 mm. wire specially designed for Neon sign use. Shpg. wt. 4 lbs.  
**XY20853**—100 ft. **\$2.25**  
 Your Cost

## Auto Radio Locks



Prevent the theft of auto sets. Fit over one chassis mounting bolt, and prevent its removal until lock is opened by key. Yale locks mounted in cast-steel casing. Black lacquer finish. Two keys provided. Shpg. wt. 2 lbs.

**XN14136**—Your Cost Each **80¢**  
 Similar to the above, but of one-piece bar steel. **\$1.05**  
 Shpg. wt. 2 lbs.  
**XN14137**—Your Cost Each

## Trutest Vibrator Condensers

Exact replacement condensers. Oil impregnated. Rated at 1600V. Small square metal cans are  $1\frac{1}{2} \times \frac{3}{4} \times \frac{1}{2}$ " with the exception of #XD-3246 which is  $\frac{1}{2} \times \frac{1}{2} \times \frac{3}{4}$ ".

Stock No.	Cap. Mfd.	Your Cost
<b>XD3240</b>	.007	
<b>XD3241</b>	.01	
<b>XD3242</b>	.02	
<b>XD3243</b>	.007	
<b>XD3244</b>	.01	
<b>XD3245</b>	.02	
<b>XD3246</b>	.007	

Any Type **25¢**

Condensers indicated with \* have two leads—others one lead.

## ELKON Type



The following condensers are mounted in long metal cans and are equipped with two leads and end clips. .01 and .02 are  $\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{4}$ ". .5 is  $3\frac{1}{2} \times 1\frac{1}{2} \times \frac{3}{4}$ ".

Stock No.	Cap'y	Your Cost
<b>XD3247</b>	.01	\$0.36
<b>XD3248</b>	.02	.42
<b>XD3249</b>	.5	.39

## Generator Silencer



Both the generator commutator and cut-out are sources of noise. This noise can be eliminated by using

our generator silencer.  
**XP14215**—5 mfd. **20¢**  
 Your Cost Each  
**XP14216**—1 mfd. **26¢**  
 Your Cost Each

## Ammeter Condenser

A condenser especially designed to eliminate the noise originating in wiring running from the ammeter—such as the horn wiring, head-light wiring, dashlight wiring, etc. Mounted in metal can equipped with mounting lug that automatically grounds one side of the condenser and with a flexible lead and lug for attaching to the ammeter.



**XN14218**—  
 Your Cost **22¢**

## Dome Light Filter

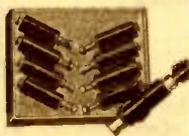
For eliminating noise originating in the wiring running to the dome light. Has self contained choke and condenser.

**XN14208**—  
 Your Cost **36¢**

## Special Compact Suppressor Kits

These "Trutest" kits employ a new and simplified type of suppressor that will make the work of the auto radio installer much easier. These suppressors will fit any make car without the necessity for cutting any wires. Just unscrew spark plug cap, screw suppressor in its place and clip connecting wire to terminal provided on top of unit. Kits contain one spark plug suppressor for each cylinder and one distributor suppressor.

**XE5280**—Four Cylinders **68¢**  
 Your Cost  
**XE5281**—Six Cylinders **88¢**  
 Your Cost  
**XE5282**—Eight Cylinders **\$1.18**  
 Your Cost  
**XE5284**—Special Set of 8 Suppressors for Ford V8. **\$1.25**  
 Your Cost

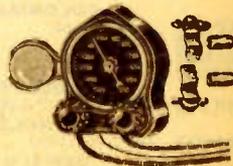


**XE5278**—Single Spark Plug Suppressor. **14¢**  
 Your Cost Each  
**XE5279**—Single Distributor Suppressor. **14¢**  
 Your Cost Each  
**XE5253**—Special Compact Type for Buick Cars. **16¢**  
 Your Cost Each

## Trutest "Airplane Dial"

### Remote Control

Built of pressed steel, rust-proofed and finished in black lacquer. Dial, illuminated by a pilot bulb, has sweep hand indicator of the popular airplane type. Key is part of volume control knob. Entire unit clamps on steering column. Size:  $3\frac{1}{2}$ " high,  $2\frac{3}{4}$ " wide, 1" thick. Can be used as a replacement control in many standard sets. Shpg. wt. 3 lbs.

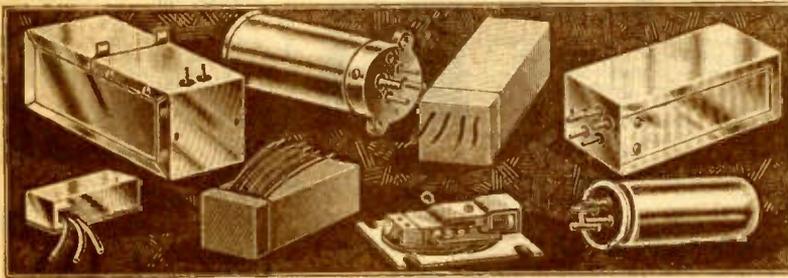


**XN14241**—Remote control with knobs and pilot light; less cables, couplers and clamps. **\$1.95**  
 Your Cost  
**XN14243**—18" Cables—Your Cost, Per Pair **\$0.85**  
**XN14246**—24" Cables—Your Cost, Per Pair **.98**  
**XN14247**—30" Cables—Your Cost, Per Pair **1.25**  
**XN14242**—Connecting Couplers—Your Cost, Per Pair **.10**  
**XN14244**—Cable Clamps—Your Cost, Per Pair **.10**

# MALLORY REPLACEMENT VIBRATORS

## ELKONODE

### for all Standard Auto Radio Sets



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

Stock No.	Name and Model No.	Type No.	Your Cost	Stock No.	Name and Model No.	Type No.	Your Cost	Stock No.	Name and Model No.	Type No.	Your Cost								
<b>AIRLINE</b>																			
XF6105	Auto Radio	206	\$2.94	<b>FADA</b>															
XF6123	62-118	253	2.65	XF6135	101, 102, 104B	292	\$2.65	<b>MOTOROLA (Cont.)</b>											
XF6146	32 Volt	F253	3.09	<b>FORD</b>															
<b>ALL AMERICAN MOHAWK</b>																			
XF6135	A60	292	2.65	XF6112	Majestic 40-18805	220A	2.79	XF6117	55	231	\$3.38								
<b>ALLIED RADIO</b>																			
XF6135	F9541, F9551	292	2.65	XF6122	Philco (All Models)	250	2.65	XF6118	56A	234	3.38								
<b>ARCADIA</b>																			
XF6123	6U	253	2.65	XF6137	Lincoln	296	2.65	XF6119	44	285	3.38								
XF6105	062, 062-A	206	2.94	<b>GENERAL ELECTRIC</b>															
XF6107	072, 072-A	211	3.38	XF6129*	B40, C41, B52	273	3.23	XF6126	44A, S6	270B	3.23								
<b>ARVIN</b>																			
XF6137	15, 25, 35, 45 (1st Series)	296	2.65	XF6123	C60	253	2.65	XF6123	Dual 6, Twin 8	253	2.65								
XF6135	15, 25, 35, 45 (2nd Series)	292	2.65	<b>GENERAL MOTORS (Canada)</b>															
XF6135	10A, 20A, 20B, 30A, 30B, 16	292	2.65	XF6115	135	223	3.38	XF6130	893885-893884	273C	3.23								
<b>ATWATER-KENT</b>																			
XF6114	424, 584	222	3.09	XF6127	150 (Chassis)	271	3.23	<b>PHILCO</b>											
XF6137	666	296	2.65	<b>PILOT</b>															
<b>AUDIOLA</b>																			
XF6141	23-S-7, 33-S-6	312T	2.94	XF6142	J5	F204	2.94	<b>RCA-VICTOR</b>											
XF6115	38-A-6	223	3.38	XF6135	61-R	292	2.65	XF6129*	M34, M105, M116	273	3.23								
XF6136	846, 847 (4-Prong)	294	2.65	XF6105	362, 362A	206	2.94	XF6123	M107	253	2.65								
XF6137	846, 847 (6-Prong)	296	2.65	XF6107	072, 072A	211	3.38	XF6134	RC166	287M	3.23								
<b>BELMONT</b>																			
XF6112	660	220A	2.79	XF6106	06W (1st Series)	210	3.38	XF6136	RC166-2	G287M	3.23								
XF6140	1982 Models	311S	2.79	XF6121	06W (2nd Series)	237	3.38	XF6136	RS63-1	294	2.65								
XF6137	670	296	2.65	XF6135	5Y	286S	3.23	<b>SEARS ROEBUCK</b>											
<b>BOSCH</b>																			
XF6125	524, 634	253Y	2.65	XF6135	V6Z2, Z6Z1	292	2.65	XF6136	7128 (4-Prong)	294	2.65								
XF6127	140 (Types 2 and 3)	271	3.23	<b>HUDSON-TERRAPLANE</b>															
XF6111	150 (Edition 1)	219	3.38	XF6112	Majestic Head	220A	2.79	XF6137	7128 (6-Prong)	296	2.65								
XF6127	150 (Edition 2)	271	3.23	<b>INTERNATIONAL</b>															
XF6127	45, 160	271	3.23	XF6137	K-60	296	2.65	<b>LAFAYETTE</b>											
XF6137	78	296	2.65	XF6106	S17762	210	3.38	XF6136	1171	294	2.65								
XF6123	79	253	2.65	XF6133	B-62	286S	3.23	XF6127	R1112, 1121, 1122	292	2.65								
<b>BUICK-OLDSMOBILE-PONTIAC</b>																			
XF6113	980383-980393	221	2.79	XF6105	062, 062A	206	2.94	<b>STROMBERG CARLSON</b>											
XF6114	980455-980459	222	3.09	XF6123	L-30	253	2.65	XF6120	33	236	3.38								
XF6130	544245-544246	273C	3.23	XF6145	B-64	F253	3.09	<b>L'TATRO (32 Volt Series)</b>											
<b>CADILLAC</b>																			
XF6106	082W Standard	210	3.38	XF6137	LW-10 (4-Prong)	294	2.65	XF6142	Admiral F923, Captain F913, Commander E83, Pilot J5	F204	2.94								
XF6121	062W Master	237	3.38	XF6137	LW-10 (6-Prong)	296	2.65	XF6143	Governor N54, Lt. Governor L54, President 084	F211	3.87								
XF6105	2721 (072)	206	2.94	<b>MAJESTIC</b>															
XF6107	2722 (072A)	211	3.38	XF6112	66, 116, 116A, 118	220A	2.79	XF6144	Governor N74, Lt. Governor L74, President 094, Recorder P64	F251	2.94								
XF6123	6U2	253	2.65	XF6112	40-18805	220A	2.79	XF6131	6A	276	3.23								
<b>CHEVROLET</b>																			
XF6113	864441	221	2.79	<b>MALLORY "B" ELIMINATOR</b>															
XF6114	800153-600566	222	3.09	XF6100	Type 1	201	2.94	XF6110	Types 10, 10C, 10CA, 10F, 10PC, 10ST	210	3.38								
XF6114	800249-600565	222	3.09	XF6101	Type 2	202	2.94	XF6107	Types 11, 11M, 11Z, 11CD, 11F, 11FC	211	3.38								
XF6130	601038 (6 Tubes)	273C	3.23	XF6102	Type 3	203	2.94	XF6108	Types 12, 12C, 12PC	212	3.38								
XF6130	601176 (6 Tubes)	273C	3.23	XF6103	Type 4	204	2.94	XF6109	Types 13, 13S	213	3.38								
XF6130	601177 (4 Tubes)	273C	3.23	XF6104	Type 5	205	2.94	XF6110	Types 14, 14C, 14PN	214	3.38								
<b>CLARION</b>																			
XF6136	100, TC-50 (4-Prong)	294	2.65	XF6105	Type 6	206	2.94	<b>MONTGOMERY WARD</b>											
XF6137	TC-50 (6-Prong)	296	2.65	XF6106	Types 10, 10C, 10CA, 10F, 10PC, 10ST	210	3.38	XF6135	87	292	2.65								
<b>COLONIAL</b>																			
XF6113	106 B-Supply	221	2.79	XF6107	Types 11, 11M, 11Z, 11CD, 11F, 11FC	211	3.38	XF6123	62-118	253	2.65								
XF6112	164	220A	2.79	XF6108	Types 12, 12C, 12PC	212	3.38	XF6105	Auto Radio	206	2.94								
XF6137	164B	296	2.65	XF6109	Types 13, 13S	213	3.38	XF6145	Airline	F253	3.09								
XF6127	150	271	3.23	XF6110	Types 14, 14C, 14PN	214	3.38	XF6133	5Y (Chassis)	286S	3.23								
<b>CROSLEY</b>																			
XF6115	98, 99, 102, 108, 119, 5A1	223	3.38	<b>MOTOROLA</b>															
<b>DETROLA</b>																			
XF6112	6A, 1100, 1100A	220A	2.79	XF6135	34	294	2.65	XF6133	88	302S	2.94								
<b>DEWALD</b>																			
XF6113	52	221	2.79	XF6139	61	303S	2.94	XF6116	77	230	3.38								
XF6135	61, 640	292	2.65	XF6126	77A	270B	3.23	<b>WESTINGHOUSE</b>											
<b>EMERSON</b>																			
XF6137	965, 667	296	2.65	<b>WILCOX GAY</b>															
XF6132	5A	277S	3.23	XF6135	4B6	292	2.65	<b>WURLITZER</b>											
XF6114	878-1, 678-2	222	3.09	XF6135	460, A60	292	2.65	XF6135	460, A60	292	2.65								
<b>ERLA-SENTINEL</b>																			
XF6136	5500	294	2.65	<b>ZENITH</b>															
XF6135	602, 603	292	2.65	XF6137	7	296	2.65	XF6135	460, 462, 650HD, 661HE, 660TD, 661TE	292	2.65								

After considerable effort, the P. R. Mallory Co. has compiled a comprehensive Auto Radio Guide that will prove an invaluable aid to the auto radio serviceman. It contains over 200 schematic circuit diagrams; vibrator information; service hints. It will be mailed FREE to all accredited dealers and servicemen who will write to the company at Indianapolis, Indiana. Supplements will be issued as new models are announced.

\* Following number indicates special cup adapter is necessary.  
 Cup Adapter (when purchased with vibrator).  
 XF6148-  
 Your Cost.....  
 Cup Adapter only.....

29¢  
 13¢

# Tamper proof! Lafayette Scientific RADIO TUBES



**6 Months Guarantee on TUBES!**

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

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

<b>01A</b>	List 70c Your Cost	<b>28c</b>
<b>1A6</b>	List \$1.35 Your Cost	<b>65c</b>
<b>1C6</b>	List \$1.60 Your Cost	<b>80c</b>
<b>IV</b>	List \$1.00 Your Cost	<b>45c</b>
<b>2A3</b>	List \$1.35 Your Cost	<b>67c</b>
<b>2A5</b>	List \$1.10 Your Cost	<b>53c</b>
<b>2A6</b>	List \$1.10 Your Cost	<b>53c</b>
<b>2A7</b>	List \$1.35 Your Cost	<b>65c</b>
<b>2B6</b>	List \$2.50 Your Cost	<b>*1.25</b>
<b>2B7</b>	List \$1.35 Your Cost	<b>65c</b>
<b>5Z3</b>	List \$1.00 Your Cost	<b>45c</b>
<b>6C6</b>	List \$1.10 Your Cost	<b>50c</b>
<b>6D6</b>	List \$1.00 Your Cost	<b>48c</b>
<b>6A4</b>	List \$1.35 Your Cost	<b>67c</b>
<b>6A6</b>	List \$1.35 Your Cost	<b>67c</b>
<b>6A7</b>	List \$1.35 Your Cost	<b>66c</b>
<b>6B5</b>	List \$2.50 Your Cost	<b>*1.25</b>
<b>6B7</b>	List \$1.35 Your Cost	<b>66c</b>
<b>*6F7</b>	List \$1.60 Your Cost	<b>78c</b>
<b>10</b>	List \$2.10 Your Cost	<b>*1.09</b>
<b>12A</b>	List \$1.00 Your Cost	<b>45c</b>
<b>12A5</b>	List \$2.20 Your Cost	<b>93c</b>
<b>*12A7</b>	List \$2.30 Your Cost	<b>99c</b>
<b>12Z3</b>	List \$1.10 Your Cost	<b>50c</b>
<b>19</b>	List \$1.10 Your Cost	<b>53c</b>
<b>20</b>	List \$1.10 Your Cost	<b>53c</b>

<b>22</b>	List \$1.35 Your Cost	<b>70c</b>
<b>24</b>	List 89c Your Cost	<b>45c</b>
<b>25Z5</b>	List \$1.10 Your Cost	<b>52c</b>
<b>26</b>	List 75c Your Cost	<b>30c</b>
<b>27</b>	List 80c Your Cost	<b>32c</b>
<b>29</b>	List \$3.65 Your Cost	<b>*1.65</b>
<b>30</b>	List 90c Your Cost	<b>40c</b>
<b>31</b>	List 90c Your Cost	<b>40c</b>
<b>32</b>	List \$1.35 Your Cost	<b>63c</b>
<b>33</b>	List \$1.10 Your Cost	<b>53c</b>
<b>34</b>	List \$1.35 Your Cost	<b>65c</b>
<b>35</b>	List \$1.00 Your Cost	<b>45c</b>
<b>36</b>	List \$1.00 Your Cost	<b>48c</b>
<b>37</b>	List 95c Your Cost	<b>43c</b>
<b>38</b>	List \$1.00 Your Cost	<b>47c</b>
<b>39</b>	List \$1.00 Your Cost	<b>50c</b>
<b>40</b>	List 90c Your Cost	<b>45c</b>
<b>41</b>	List \$1.00 Your Cost	<b>45c</b>
<b>42</b>	List \$1.10 Your Cost	<b>50c</b>
<b>43</b>	List \$1.10 Your Cost	<b>53c</b>
<b>44</b>	List \$1.00 Your Cost	<b>60c</b>
<b>45</b>	List 85c Your Cost	<b>34c</b>
<b>46</b>	List \$1.10 Your Cost	<b>53c</b>
<b>47</b>	List \$1.00 Your Cost	<b>45c</b>
<b>48</b>	List \$2.60 Your Cost	<b>*1.32</b>
<b>49</b>	List \$1.10 Your Cost	<b>53c</b>
<b>50</b>	List \$2.60 Your Cost	<b>*1.25</b>

<b>51</b>	List \$1.00 Your Cost	<b>45c</b>
<b>53</b>	List \$1.35 Your Cost	<b>65c</b>
<b>55</b>	List \$1.10 Your Cost	<b>54c</b>
<b>56</b>	List 85c Your Cost	<b>38c</b>
<b>57</b>	List \$1.00 Your Cost	<b>45c</b>
<b>58</b>	List \$1.00 Your Cost	<b>45c</b>
<b>59</b>	List \$1.35 Your Cost	<b>67c</b>
<b>71A</b>	List 80c Your Cost	<b>33c</b>
<b>75</b>	List \$1.10 Your Cost	<b>52c</b>
<b>76</b>	List \$1.00 Your Cost	<b>52c</b>
<b>77</b>	List \$1.10 Your Cost	<b>52c</b>
<b>78</b>	List \$1.10 Your Cost	<b>52c</b>
<b>79</b>	List \$1.35 Your Cost	<b>65c</b>
<b>80</b>	List 80c Your Cost	<b>32c</b>
<b>81</b>	List \$2.10 Your Cost	<b>*1.09</b>
<b>82</b>	List \$1.00 Your Cost	<b>45c</b>
<b>83</b>	List \$1.00 Your Cost	<b>48c</b>
<b>83V</b>	List \$1.60 Your Cost	<b>79c</b>
<b>84</b>	List \$1.35 Your Cost	<b>67c</b>
<b>85</b>	List \$1.10 Your Cost	<b>52c</b>
<b>89</b>	List \$1.10 Your Cost	<b>52c</b>
<b>V99</b>	List \$1.10 Your Cost	<b>54c</b>
<b>X99</b>	List \$1.10 Your Cost	<b>54c</b>
<b>182B</b>	List \$1.65 Your Cost	<b>80c</b>
<b>183</b>	List \$1.75 Your Cost	<b>80c</b>
<b>484</b>	Superseded by type 485 listed below	
<b>485</b>	List \$1.55 Your Cost	<b>75c</b>

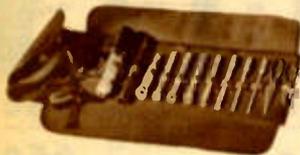
\*These highly specialized tubes in the Kadette Junior



# RAYTHEON TUBES



**SAVE \$2.05 ON A NEW TOOL KIT**



In leatherette roll case with space for each tool. Contains: Universal Chuck Handle; 3-in-1 Bakelite Balancing Wrench; 2 Pairs Kreuter Diagonal Cutting and Long Nose Pliers; 3-Screwdriver Blades; 5-Socket Wrenches. Regular Price ..... \$6.00 Your Cost, with every order for 20 or more Raytheon. **\$3.95** Tubes.....

**FREE**

**TROUBLE SHOOTERS POCKET "GADGET"**



Tells at a glance the source of trouble in a radio receiver. Consists of six cards eye-letted at one

end. When symptom is noted, just refer to description on "gadget" and your worries are over. Regular value is 25c.

Free with every order for 25 or more Raytheon Tubes.

**THEATRE EXCITER LAMPS**



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

Type	Volts	Amps.	Base
854	8.5	4.0	S.C. Bayonet
105	10	5.0	S.C. Bayonet
107	10	7.5	S.C. Bayonet

Your Cost Each, Any Type..... **50c**

**RAYTHEON TUBES** have won an enviable reputation for themselves because of their excellent performance and their exceptionally long life. They feature the famous "four pillar" construction that assures permanent spacing of elements and prevents microphonics.

**GUARANTEE** Raytheon tubes are guaranteed by Wholesale Radio Service Company for a period of six months from the date of purchase. Burnouts and broken glass are the only exceptions.

Type No.	List Price	Your Cost	Type No.	List Price	Your Cost
00A	\$1.35	\$.71½	37	\$.95	\$.48½
01A	.70	.34½	38	1.00	.51½
1A6	1.35	.71½	39	1.00	.51½
1C6	1.60	.85½	40	.90	.45½
1-V	1.00	.51½	41	1.00	.51½
2A3	1.35	.71½	42	1.10	.57
2A5	1.10	.57	43	1.10	.57
2A6	1.10	.57	44	1.00	.51½
2A7	1.35	.71½	45	.85	.43
2B7	1.35	.71½	46	1.10	.57
5Z3	1.00	.51½	47	1.00	.51½
5A4	1.35	.71½	48	2.60	1.42½
6A6	1.35	.71½	49	1.10	.57
6A7	1.35	.71½	50	2.60	1.42½
6B7	1.35	.71½	51	1.00	.51½
6C6	1.10	.57	52	1.70	.91½
6D6	1.00	.51½	53	1.35	.71½
6F7	1.60	.85½	55	1.10	.57
6Z4 (84)	1.35	.71½	56	.85	.43
12A5	2.20	1.20	57	1.00	.51½
12A7	2.30	1.25½	58	1.00	.51½
12Z3	1.10	.57	59	1.35	.71½
25Z5	1.10	.57	71A	.80	.40
10	2.10	1.14	75	1.10	.57
WD11	3.10	1.71	76	1.00	.51½
WX12	3.10	1.71	77	1.10	.57
12A	1.00	.51½	78	1.10	.57
15	2.95	1.62½	79	1.35	.71½
19	1.10	.57	80	.80	.40
20	1.10	.57	81	2.10	1.14
22	1.35	.71½	82	1.00	.51½
24A	1.00	.51½	83	1.00	.51½
26	.75	.37	83V	1.60	.85½
27	.80	.40	85	1.10	.57
30	.90	.45½	89	1.10	.57
31	.90	.45½	V99	1.10	.57
32	1.35	.71½	X99	1.10	.57
33	1.10	.57	BA	7.50	4.05
34	1.35	.71½	BH	4.65	2.51
35	1.00	.51½	BR	2.75	1.48½
36	1.00	.51½			

**RAYTHEON TRANSMITTING TUBES**

All especially designed for amateur use. Their high efficiency permits maximum output with a minimum input. All types have Isolantite bases and are ruggedly constructed to give long service.

Type No.	Your Cost	Type No.	Your Cost
RK10	\$3.50	RK24	\$2.25
RK15	5.00	RK25	5.95
RK16	5.00	RK33	1.85
RK17	5.00	VG27	5.00
RK18	10.95	866-A	5.00
RK19	7.50	872-A	16.50
RK20	15.00	864	1.60
RK21	6.00	841	3.25
RK22	7.50	205-A	17.50
RK23	5.95		

**SAVE \$1.25 ON A SUEDE ZIPPER BAG**



Large size; made of fine and durable suede. Has leather handles. Size 18x10 x8". Regular Value ..... \$2.50 Your Cost, with every order for 10 or more Raytheon. **\$1.25** Tubes.....

**SAVE \$2.05 ON A COVERALL COAT**



Made of fine grade of linen. Washable and light weight. Tan color. Has plenty of pocket space. Is comfortable and roomy. In small (up to 32), medium

(up to 40) and large (over 40). Belt included. Regular Value ..... \$4.25 Your Cost, with every order for 20 or more Raytheon. **\$2.20** Tubes.....

**GENUINE KELLOGG TUBES**



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

Type 401.	List \$4.00
Your Cost.....	<b>\$2.35</b>
Type 405.	List \$5.00
Your Cost.....	<b>\$2.94</b>

# ARCTURUS *tubes*



Type No.	List Price	Your Cost	Type No.	List Price	Your Cost
1A6	\$1.35	\$.73	22	\$1.35	\$.73
1C6	1.60	.87	24A	1.00	.52
2A3	1.35	.73	26	.75	.38
2A5	1.10	.58	27	.80	.41
2A6	1.10	.58	30	.90	.47
2A7	1.35	.73	31	.90	.47
2B7	1.35	.73	32	1.35	.73
5Z3	1.00	.52	33	1.10	.58
6A7	1.35	.73	34	1.35	.73
6B7	1.35	.73	35	1.00	.52
6C6	1.10	.58	36	1.00	.52
6D6	1.00	.52	37	.95	.49
6F7	1.60	.87	38	1.00	.52
6Z4(84)	1.35	.73	39	1.00	.52
12Z3	1.10	.58	41	1.00	.52
12Z5 (12.6 V.)	1.50	.81	42	1.10	.58
12Z5 (6.3 V.)	1.50	.81	43	1.10	.58
25Z5	1.10	.58	44	1.00	.52
01A	.70	.35	45	.85	.44
10	2.10	1.14	46	1.10	.58
12A	1.00	.52	50	2.60	1.45

## GUARANTEE

All Arcturus tubes are guaranteed for a period of six months (burnouts and broken glass excepted).

Type No.	List Price	Your Cost	Type No.	List Price	Your Cost
51	\$1.00	\$.52	81	\$2.10	\$1.14
53	1.35	.73	82	1.00	.52
55	1.10	.58	83	1.00	.52
56	.85	.46	85	1.10	.58
57	1.00	.52	89	1.10	.58
58	1.00	.52	V99	1.10	.58
59	1.35	.73	X99	1.10	.58
71A	.80	.41	4B2B	1.65	.89
75	1.10	.58	4B3	1.65	.89
76	1.00	.52	4B5	1.45	.78
77	1.10	.58	AF	1.80	.97
78	1.10	.58	AG	2.05	1.11
79	1.35	.73	GA	2.75	1.49
80	.80	.41	PZ	1.00	.52
			PZH	1.60	.87

## RCA de Forest TRANSMITTING Tubes



The most comprehensive line of Amateur Transmitting Tubes available. All built to the highest quality standards and fully guaranteed. The RCA Radiotron Company offers an engineering service to the radio amateur. Any advice concerning radio tube applications can be obtained by writing the RCA-DeForest Amateur Radio Division at Camden, N. J.



### AMATEUR TYPES

Type No.	Net Price	Type No.	Net Price
203A	\$17.50	845	\$20.00
211	17.50	850	37.50
800	10.00	852	23.80
801	4.50	860	35.00
841	3.25	864	1.60
842	3.25	865	12.75
843	12.50	868	6.00
844	18.00		

### HIGH POWER TYPES

Type No.	Maximum Volts	Net Price
204A		
831		
849		
851		
861		

Prices on Request

### RECTIFIER TUBES

Type No.	Maximum Volts	Net Price
866	7,500	\$ 4.50
866-A	10,000	5.00
872	7,500	16.50
872-A	10,000	18.50
878	20,000	11.00
885	300	2.00

### CATHODE RAY TUBES

Type No.	Net Price
904-5-inch	\$50.00
905-5-inch	40.00
906-3-inch	18.00

## LAFAYETTE

### MAJESTIC TYPE TUBES

Type	List Price	Your Cost	Type	List Price	Your Cost
24S	\$1.30	\$0.65	2A7-S	\$2.30	\$1.15
25	3.80	1.90	6A7-S	2.30	1.15
27S	.80	.40	6C7	1.90	.95
56S	1.30	.65	6D7	1.75	.88
57S	1.75	.88	6E7	1.75	.88
58A-S	1.75	.88	6F7-S	1.90	.95
58A-S	1.70	.85	6Y5	1.90	.95

## RAYTHEON

### NEON TUNING LAMPS

Used as standard equipment by Fada, Atwater-Kent, Clarion, etc. Double contact units made for replacement in Fada late models and in Atwater-Kent receivers; four contact tubes made expressly for use in Clarion Model 480. Can be used to modernize sets not equipped with tuning indicators. All perfectly sealed. Will give long and satisfactory service. Shpg. wt., 1 lb.

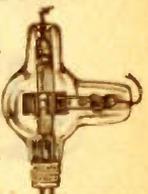
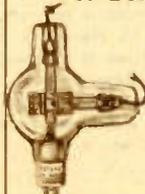
XW12272 - Double Contact.	XW12275 - Four Contact.
Your Cost, Each <b>38c</b>	Your Cost, Each <b>\$1.25</b>

## Lafayette TRANSMITTING Tubes

"A QUALITY TUBE AT A REASONABLE PRICE"

Guaranteed 1000 Hours

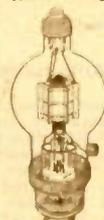
All have pure carbon plates, providing high plate dissipation without overheating. Guaranteed for 1000 hours satisfactory operation, burnouts and broken glass excepted.



Type No.	Your Cost	Type No.	Your Cost
203-A	\$10.95	845	\$10.95
204-A	75.00	852	16.95
210	1.95	860	29.75
211	10.95	865	10.75
242	10.95	866	1.95
510-C	2.95	872	10.95
800	7.50	866-A	2.40
864	1.40	872-A	12.50
264-B	1.75		

### EIMAC TRANSMITTING TUBES

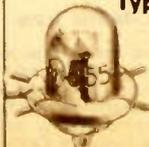
Have hard Nonex. glass envelopes and are free from gas. All elements widely separated. Have Tantalum plate and grid. Guaranteed for two years against breakdowns, burnouts and broken glass excepted.



Type 50T - Gen. Purpose Triode. 50 Watt Plate Dissipation.	Your Cost	\$15.50
Type 150T - Gen. Purpose Triode. 150 Watt Plate Dissipation.	Your Cost	\$24.50
Type 150P - High Freq. Pentode. 150 Watt Plate Dissipation.	Your Cost	\$34.50
Type 1Z75 - H.W. Rectifier. 2.5 Volts at 12.5 Amps. 7500 V. Peak.	Your Cost	\$7.50
Type 1Z150 - H.W. Rectifier. 2.5 Volts at 12.5 Amps. 15,000 V. Peak.	Your Cost	\$12.50

### RCA "ACORN" TUBE Type 955

Triode for use as Amplifier, Detector or Oscillator at frequencies up to 600 M.C. Wire leads.



Net Price, Each... **\$3.75**



### Neon Glow Lamps

Types S14 and G10 have medium base. Type S4 1/2 has a candelabra base.

Stock No.	Type	Watt	Your Cost Each
XW12264	S4 1/2	1/4	<b>36c</b>
XW12265	G10	1/2	
XW12266	G10	1	
XW12267	S14	2	

45c

A TECHNICAL TUBE CHART FREE WITH EVERY ORDER FOR TUBES

# MODERNIZE your HOME *with these*

## AT PRICES THEIR OWN

### Universal Floor Polisher and Floor Wax

A tiresome and tedious job becomes a pleasure when using this light-in-weight floor polisher. The 25 ft. of cord enable all parts of the room to be reached from one outlet. So constructed that floor polisher fits under furniture and creeps into inconvenient corners. Motor is easily shut off and on by switch on handle. The sheepskin mop is washable and easily replaced. Complete with cord, floor mop, 1 lb. can Universal paste wax and 1 pint Universal liquid wax. Shpg. wt., 43 lbs.

XP15249—  
Your Cost... **\$23.50**



### GE "Lite Way" Cleaner

Detect dirt better with this new cleaner. Equipped with a powerful motor-driven brush-type motor. It is also one of the lightest and easiest cleaners to operate, weighing but 13½ lbs. A vibration-proof Mazda lamp costs a light directly ahead of the cleaner. The easily operated adjustment screw permits the nozzle to be set at the proper height for thorough cleaning. Rubber bumpers protect furniture. Bakelite handle has toggle switch.

Guaranteed for one year. Complete with 18½ ft. rubber covered cord. For 115 volts AC, 25 to 60 cycles, or DC. Shpg. wt., 15 lbs.

X81777—  
Your Cost... **\$31.95**



### GE Vacuum Cleaner

Just what the housewife needs — a cleaner that gets all the dirt, and is extremely simple to operate. The powerful motor driven brush brings deep lying dirt to the surface, combs and freshens the rug pile. Has both front and rear wheels to facilitate operation. Air cooled motor requires no oiling. Adjustment screw provides correct nozzle height for all rugs. 7-blade fan provides powerful suction. Rubber bumpers protect furniture. Has pistol-grip handle with convenient switch. Shpg. wt., 30 lbs.

X817782—  
Your Cost... **\$22.45**



### "Miracle" Automatic Toaster

The last word in automatic toasters. Has only six working parts — no clockwork mechanism. Simply place two slices in compartment, turn dial, and "Miracle" does the rest. Makes any degree of toast, light, medium or dark. Finished in chrome plate and rich black enamel. Switch cord included. Shpg. wt., 6 lbs.

XV18176—Your Cost... **\$6.95**



### "Modern" Flip-Flop Toaster

Designed in the modernistic manner and finished in lustrous chromium finish. Black base, top and handles enhance the beautiful pattern. Because of its enclosed design, it toasts evenly and with extreme speed. For convenience the cord is entirely concealed within the base of the toaster. For 110 volts. Shpg. wt., 5 lbs.

XV18040—  
Your Cost... **\$1.49**



### Night Light

For use as trouble light or night light. Fits all outlets; operates on AC or DC, 110 volts. Bakelite base and hood. Comes complete with genuine Mazda bulb. Built-in switch. Shpg. wt., 1 lb.

XM15239—Your Cost, Each... **25¢**



### GE Moderne Automatic Iron

Weights only 3½ lbs. Thermal switch, with "off" position makes it unnecessary to disconnect plug when iron is not used. Outstanding features consist of heat indicator, Calrod heating element, thumb-rest, button-saving button nooks, and heel-stand. Permanently connected 10,000 cycle cord with spring cord protector. 1000 watts. 115-125 volts AC only. Shpg. wt., 5 lbs.

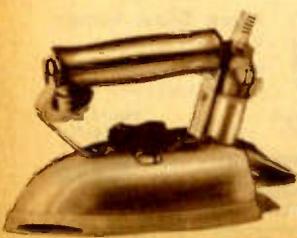
XV18041—  
Your Cost... **\$6.95**



### GE A-C-Matic Iron

Save your energy and speed your ironing with this fast heating iron. A fully automatic iron with a complete range of ironing heats. Provides even ironing temperature rate for all types of material. Has button-saving nooks, heel-stand, thumb rest and long life Calrod element. 6 lb. iron. Finished in Chromeplate. For 115-125 volts AC only. Shpg. wt., 9 lbs.

XV18110—Your Cost... **\$3.79**



### GE "Tidy" Cleaner

For quick cleaning in hard-to-get-at places. It does all the small jobs the larger models can't do. Goes deep into upholstery and mattresses, thoroughly cleans stair carpets, drapes and automobile interiors. The extension rod enables the housewife to reach from floor to ceiling and other inaccessible places. The deodorizer, containing dichloric acid crystals repels insects from clothes, rugs, furniture and drapes and abolishes unpleasant odors in the house. The "Tidy" cleaner is guaranteed for one year. Shpg. wt., 9 lbs.

X817780—Complete with blower and extension rod, less deodorizer set.  
Your Cost... **\$11.75**

### Deodorizer Set

Consists of glass dichloric acid container and two cans of dichloric acid.

X817781—Your Cost... **85¢**

### Ev'ryday Twin Hot Plates

Heating elements of these hot plates are made of the best resistance wire and are designed for long life.

Frames of heavy pressed steel with reinforced corners and sturdy detachable legs. Models are finished in two-toned green, and have built-in switches. For use on 110 volts AC. Complete with cord and plug ready for use. Shpg. wt., 12 lbs.

XV18102—Your Cost... **\$1.79**



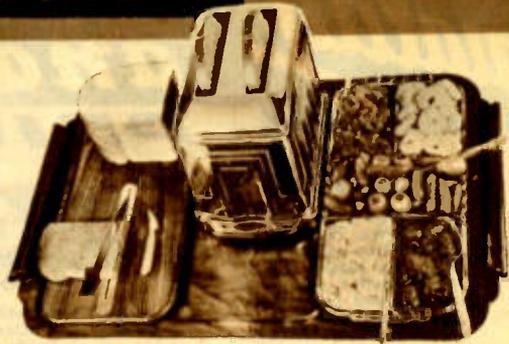
# ELECTRICAL APPLIANCES

## THAT TELL STORY

### 1935 TOASTMASTER AND HOSPITALITY TRAY

Needs no watching—the Flexible Clock times the toasting automatically and pops up the finished toast as soon as it is finished.

The new Hospitality Tray is of wood, treated to resist acids and alkalis. Finished in mahogany, sycamore or walnut. The cutting block, with trimming and sizing knife, is finished the same as the Tray. Includes crystal clear glass dish with five compartments.



XV18117—Two-Slice Toastmaster and Hospitality Tray. Shpg. wt., 12 lbs.  
Your Cost **\$16.80**

Two-Slice Toastmaster only. Shpg. wt., 7 lbs.  
XV18108—**\$12.50**  
Your Cost

One-Slice Toastmaster only. Shpg. wt., 7 lbs.  
XV18107—**\$8.60**  
Your Cost



### G. E. HOTPOINT ELECTRIC MIXER

Mixes, beats, whips, stirs and chops foods. Has powerful 3-speed motor provided with tilt-back neck. Comes complete with two Pyrex bowls, double beater, drink mixer, juice extractor, extractor bowl and oil dropper. Finished in green baked enamel. Easy to assemble. Shpg. wt., 18 lbs.

XV18342—Your Cost..... **\$16.45**



### ELECTROMIX A HOUSEHOLD NECESSITY

A combination Whipper and Mixer in one. Eliminates the tiresome task of beating or mixing by hand. Detachable stainless beater cleans instantly. Mixing unit plugs into any electric outlet. Shpg. wt., 8 lbs.

XV18124—Your Cost..... **\$1.15**



### THE NEW GRILLETTE

Prepares your meal right at the table. Features include: Removable plates (makes for easy cleaning); a removable grease receptacle; new type cool handles. Unit is guaranteed for one

year against burnouts. Adjustable slide with vertical catch permits toasting of "triple decker" sandwiches or thick steaks and chops. Available with either nickel plate or bright chromium finish. Size 10½"x5¾".

Base 11¾"x6½". Shpg. wt., 8 lbs.  
XV18126—Nickel Plated. **\$1.49**  
Your Cost.....

XV18127—Chrome Plated. **\$1.79**  
Your Cost.....



### DETECTO "ACE" BATHROOM SCALE

Created in the modern manner. The "floating" rack brings the dial to a quick stop. Registers up to 300 lbs. Finished in white, with black washable mat covering the platform. Guaranteed for five years. Shpg. wt., 10 lbs.

XV17745—**\$2.95**  
Your Cost....

### NATIONAL COFFEE-VAC COFFEE WITHOUT THAT METALLIC TASTE

The secret of the finest coffee that you can possibly make is the "controlled temperature" of the Coffee-Vac. It never boils... scientifically designed to brew coffee. Consists of six-cup Coffee-Vac with stove and cord set and chromium plated serving tray. Shpg. wt., 7 lbs.

XV18357—**\$4.45**  
Your Cost.....

XV18358—10 Cup same as above.  
Your Cost...\$4.95

XV18289—6 Cup, with stove, less tray.  
Your Cost...\$5.25

XV18290—10 Cup, with stove, less tray.  
Your Cost...\$5.95



### HAMILTON BEACH ELECTRIC MIXER

A portable mixer that every woman will want. Motor tips back so that beaters drain into the bowl. Beaters are easily removed. Finished in ivory and black baked-on enamel. Cast iron base, chrome plated beaters. Complete with opaque glass extractor bowl, two ivory mixing bowls, sanitary juice extractor and single agitator for mixing drinks in glass. Shpg. wt., 24 lbs.

XV18278—**\$15.45**  
Your Cost.....

### SUNBEAM MIXMASTER

The best known of all Kitchen Mixers. A real delight to all women who use it. Light and portable, easily moved from place to place. Has powerful multi-speed motor. Does everything in the line of mixing and beating. Shpg. wt., 26 lbs. XV18276—

**\$15.45**  
Your Cost.....

XV18128—Food Chopper attachment. Complete with power unit, food chopper, 2 vegetable and 1 meat knife. Shpg. wt., 5 lbs.  
Your Cost..... **\$4.75**

### SUNKIST JUICE EXTRACTOR

#### Apartment Size

Just the thing for extracting juice from oranges, lemons and limes. Consists of colored glass container with aluminum strainer, deep glass juice extracting bowl, bottleware reaming bulb. Finished in ivory and chromium plate. The Gilbert Universal Motor has convenient toggle switch and operates on 110 volts AC or DC. Size 7x7½". Shpg. wt., 2 lbs.

XV18168—Your Cost..... **\$4.95**

### THE ROYAL "CULINAIRE"

The most powerful Mixer-Chopper-Beater on the market today. Silent ½ HP. motor is mounted in base—no oil or grease can drip into the bowl. All attachments fit directly on the main drive shaft. Comes complete with special Lynite bowl, 2 large beaters and one bowl cover. Motor for operation on 100 to 120 volts, AC or DC. Motors... use on special voltages supplied at an additional \$1.50. Shpg. wt., 19 lbs.

XV18194—**\$14.95**  
Your Cost.....

XV18196—Grinder and Chopper. Your Cost \$4.75



# Quality

# ELECTRIC FANS and CLOCKS

## PRICED LOW!



### Stancer 8" Fans

A real high quality fan at a low price. Features include a free-action oscillator, four bladed aluminum propeller, cast metal housing and base, powerful induction motor. Consumes only 25 watts. Displaces 350 cu. ft. of air per minute. Sturdy wire guard gives ample blade protection. Finished in green. For 110 volts, 60 cycles AC (only) with switch. Shpg. wt., 7 lbs.

XV18357—  
Your Cost, Each..... **\$3.49**

Similar to the above model, but without an oscillator, less switch. Shpg. wt., 6 lbs.

XV18358—  
Your Cost, Each..... **\$2.25**



### Fan-O-Lator

A window fan-ventilator equipped with a sturdily constructed electric fan mounted in a finely finished, stout metal frame. Screened against insects. It is so arranged that the blade part of the fan is on the outside, creating a suction out of the room. Fan-O-Lator is permanent, portable or adjustable. Can be fastened to the outside window track and screwed in place, or used like an ordinary screen on the inside track. Adjustable from 25 to 35 inches. Comes complete, ready to use on 110 volts AC. Shpg. wt., 10 lbs.

XV18135—  
Your Cost, Each..... **\$2.35**

### Polar-Cub Electric Fans

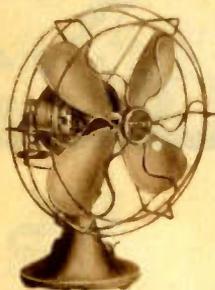
Induction type motor (non-radio interfering) for operation on 110 volts, 60 cycles AC. Four blades, with wire protecting guard. Consumes only 27 watts. Has adjustable tilt tap. Finished in baked green enamel; bright finished blades. Comes with cord and plug. Shpg. wt., 3 lbs.



XV18561—Your Cost..... **\$1.29**

Similar to the above, but 8 inches in diameter. Consumes 38 watts. Complete with cord and plug. Green enameled finish. Shpg. wt., 5 lbs.

XV18562—Your Cost, Special..... **\$1.49**



### Signal 9" Oscillator Fan

Out of the hot sun into a cool room fanned by a Signal Fan. Cool air brings renewed energy to all in the home, office and factory. Its high quality and design will bring years of service and satisfaction. This oscillating type fan is constructed with a Universal AC-DC motor. Four blades with wire guard. Displaces 740 cu. ft. of air per minute. On-off switch mounted in the base. Comes complete with eight-foot approved cord and plug. Finished in green, brass lacquered blades. Shpg. wt., 12 lbs.

XV18363—  
Your Cost..... **\$7.49**



### G. E. 8" Non-Oscillating Fan

Light in weight but sturdily built, this fan provides air circulation that is unusual in a fan of its size. Operates on 110 volts, 60 cycles AC. Four steel blades and wire guard. Built-in switch. Consumes 33 watts. Has tilt adjustment. Dark green finish, brass trimmings. With 8-foot cord and plug. Shpg. wt., 7 lbs.

XV18364—Your Cost **\$3.68**

Same as above, but oscillating type. Shpg. wt., 8 lbs.

XV18365—Your Cost..... **\$7.95**



### G. E. "Silent" Oscillating Fan

Operates on 110-120 volts, 60 cycles AC. Uses same powerful motor as employed with the giant 16-in. types. Delivers 1200 cu. ft. of air per minute. Four "slip-stream" blades of polished aluminum with steel wire guard. Has built-in three-speed switch; low, medium, high. Has tilt adjustment. Finished in black enamel. Complete with 8 ft. cord and plug. Overall size 17 1/2" x 11 1/2" x 10 1/2". Shpg. wt., 20 lbs.

XV18366—  
Your Cost..... **\$22.50**



### G. E. "Silent" Non-Oscillating Fan

Modernistic design that is highly attractive. Silent motor operates on 110-120 volts, 60 cycles AC. Has four polished aluminum stream-lined blades with steel wire guard. Friction hinge adjustment allows tilt at any angle. Has built-in on-off switch in base. Delivers 600 cu. ft. of air per minute. Black enamel finish with silver bronze stripings and chrome trimmings. Comes with 8 ft. cord and plug. Overall size 13" x 10 1/4" x 5 1/2". Shpg. wt., 10 lbs.

XV18367—  
Your Cost..... **\$10.95**



### The G. E. "Chef"

This wall or shelf kitchen clock will harmonize with any kitchen color scheme. An accurate timekeeper, equipped with a self-starting motor, it may be had in green with ivory stripes, ivory with red stripes or black with white stripes. Shpg. wt., 2 lbs.

XV18030—  
Your Cost..... **\$3.75**



### The G. E. Morning Star

An attractive alarm clock for the boudoir or any other room that requires an accurate timepiece. This high quality, low-priced clock assures passive, accurate time with a self starting motor. The moulded plastic material case is 5 in. high. Color, black. Shpg. wt., 2 lb.

XV18031—  
Your Cost..... **\$4.45**



### Telaire Air Meter

Your health and comfort depend on the humidity or amount of moisture in the air. Avoid harmful dryness with the Telaire Air Meter which registers humidity and temperature simultaneously. It is an accurate, sensitive and dependable instrument. Encased in genuine Bakelite, and measures 3 1/2" x 4 1/2" x 2". Shpg. wt., 8 oz.

XV18032—  
Your Cost..... **\$1.39**



### 6" "Airplane" Fan

At this low price you can afford to keep one of these fans in every room in the house or office. Brawn Bakelite motor case and base, 115 deg. tilting adjustment with wing-nut clamp. 6-inch, four-bladed, cadmium-plated propeller with cadmium-plated wire guard. Complete with 6 ft. cord and plug. Height 8 3/4 inches. For 110 volts AC. Shpg. wt., 4 lbs.

XV18359—  
Your Cost..... **\$1.69**

# YOU CAN NOW BUY

# Genuine RCA Radiotrons



at new

# LOW PRICES!

## 6 Months Guarantee!

RCA Radiotron 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.

Type No.	Description	List Price	Your Cost	Type No.	Description	List Price	Your Cost
00A	Triode Detector	\$1.25	\$.73	58	Triple-Grid Super-Cont. Amp.	\$.89	\$.52
01A	Triode Detector or Amplifier	.59	.35	59	Triple-Grid Power Amplifier	1.25	.73
1	Half-Wave Merc. Vapor Rect.	1.25	.73	71A	Power Amplifier Triode	.69	.40
1-V	Half-Wave Vacuum Rectifier	.89	.52	75	Duplex-Diode High-Mu Triode	.99	.58
10	Triode Power Amplifier	2.00	1.18	76	Super-Triode Amp. Detector	.69	.40
11	Detector Amplifier Triode	1.25	.73	77	Triple-Grid Detector Amplifier	.99	.58
12	Detector Amplifier Triode	1.25	.73	78	Triple-Grid Super-Cont. Amp.	.99	.58
112A	Amplifier Detector Triode	.69	.40	79	Class "B" Twin Amplifier	1.25	.73
19	Twin Cl. "B" Tri. Power Amp.	.99	.58	80	Full-Wave Rectifier	.59	.35
20	Triode Power Amplifier	.99	.58	81	Half-Wave Rectifier	2.00	1.18
22	S. G. Detector or Amplifier	1.25	.73	82	Full-Wave Merc. Vapor Rect.	.89	.52
24A	S. G. Detector or Amplifier	.89	.52	83	Full-Wave Merc. Vapor Rect.	.89	.52
26	Triode Amplifier	.59	.35	83V	Full-Wave Vacuum Rectifier	1.50	.88
27	Triode Detector or Amplifier	.69	.40	84	Full-Wave Rectifier	1.25	.73
30	Triode Detector or Amplifier	.69	.40	85	Duplex-Diode Triode	.99	.58
31	Triode Power Amplifier	.69	.40	89	Triple-Grid Power Amplifier	.99	.58
32	S. G. Detector or Amplifier	1.25	.73	V99	Detector Amplifier Triode	.99	.58
33	Power Amplifier Pentode	.99	.58	X99	Detector Amplifier Triode	.99	.58
34	Super-Control R-F Amp. Pent.	1.25	.73	1A6	Pentagrid Converter	1.25	.73
35	Super-Control R-F Amplifier	.89	.52	2A3	Power Amplifier Triode	1.25	.73
36	R-F Amplifier Tetrode	.89	.52	2A5	Power Amplifier Pentode	.99	.58
37	Detector Amplifier Triode	.69	.35	2A6	Duplex-Diode High-Mu Triode	.99	.58
38	Power Amplifier Pentode	.89	.52	2A7	Pentagrid Converter	1.25	.73
39-44	Super-Control R-F Amp. Pent.	.89	.52	6A4	Power Amplifier Pentode	1.25	.73
40	Voltage Amplifier Triode	.69	.40	6A6	Class "B" Power Amplifier	1.25	.73
41	Power Amplifier Pentode	.89	.52	6A7	Pentagrid Converter	1.25	.73
42	Power Amplifier Pentode	.99	.58	2B7	Duplex-Diode Pentode	1.25	.73
43	Power Amplifier Pentode	.99	.58	6B7	Duplex-Diode Pentode	1.25	.73
45	Power Amplifier Triode	.69	.40	1C6	Pentagrid Converter	1.50	.88
46	Dual-Grid Power Amplifier	.99	.58	6C6	Triple-Grid Detector Amplifier	.99	.58
47	Power Amplifier Pentode	.89	.52	6D6	Triple-Grid Super-Cont. Amp.	.89	.52
48	Power Amplifier Tetrode	2.50	1.47	6F7	Triode-Pentode	1.50	.88
49	Dual-Grid Power Amplifier	.99	.58	5Z3	Full-Wave Rectifier	.89	.52
50	Power Amplifier Triode	2.50	1.47	12Z3	Half-Wave Rectifier	.99	.58
53	Class "B" Twin Amplifier	1.25	.73	25Z5	Rectifier-Doubler	.99	.58
55	Duplex-Diode Triode	.99	.58	874	Voltage Regulator-Glow	4.90	2.88
56	Super-Triode Amp. Detector	.69	.40	876	Current Regulator (Ballast)	6.70	3.94
57	Triple-Grid Amp. Detector	.89	.52	886	Current Regulator (Ballast)	6.75	3.97

# SHORT WAVE BROADCASTING STATIONS OF THE WORLD

Approx. Mega-cycles on Dial	Meters	Station	Location	Approx. Mega-cycles on Dial	Meters	Station	Location
2.40	125.10	WIXAZ	Springfield, Mass.	6.07	49.42	UOR2	Vienna, Austria
2.74	109.60	VE9C1	London, Ont., Canada	6.07	49.42	OXY	Skamleback, Denmark
4.11	72.99	HCJB	Quito, Ecuador	6.08	49.34	W9XAA	Chicago, Illinois
4.27	70.20	RV15	Khabarovsk, U. S. S. R.	6.09	49.26	VE9BJ	St. John, N. B.
4.79	62.56	VE9BY	London, Ont., Canada	6.09	49.26	VE9GW	Bowmanville, Ont., Canada
4.79	62.56	W2XV	Long Island City, N. Y.	5.10	49.18	ZTJ	Johannesburg, So. Africa
5.14	58.81	OK1PT	Prague, Czechoslovakia	5.10	49.18	W9XF	Chicago, Illinois
5.17	58.03	PMY	Bandoeng, Java	6.10	49.18	W3XAL	Bound Brook, N. J.
5.50	54.52	W2XBH	New York, N. Y.	6.11	49.18	VUC	Calcutta, India
5.69	52.70	FIUI	Tananarive, Madagascar	6.11	49.10	VE9CG	Calgary, Alta., Canada
5.71	52.54	VE9CL	Winnipeg, Man., Canada	6.11	49.10	YV1BC	Caracas, Venezuela
5.86	51.22	XDA	Mexico, D. F., Mexico	6.12	49.02	W2XE	New York, N. Y.
5.88	51.02	HJ2ABA	Tunja, Colombia	6.12	49.02	FLE	Paris, France
5.93	50.60	HJ4ABE	Medellin, Colombia	6.12	49.02	ZTJ	Johannesburg, So. Africa
5.94	50.51	HJ1ABB	Barranquilla, Colombia	6.12	49.02	VE9HX	Halifax, Nova Scotia
5.97	50.25	HVJ	Vatican City, Italy	6.13	48.95	YV11BMO	Maracaibo, Venezuela
6.00	50.00	YO1	Bucharest, Roumania	6.14	48.86	W8XK	Pittsburgh, Penna.
6.00	50.00	RW59	Moscow, U. S. S. R.	6.15	48.78	VE9CL	Winnipeg, Man., Canada
6.00	50.00	EAJ25	Barcelona, Spain	6.15	48.78	HKA	Barranquilla, Colombia
6.00	50.00	HKD	Barranquilla, Colombia	6.20	48.35	HKC	Bogota, Colombia
6.00	50.00	HR	Tegucigalpa, Honduras	6.22	48.23	I2RO	Rome, Italy
6.00	50.00	VE9DR	Drummondville, Que., Can.	6.24	48.05	HKD	Barranquilla, Colombia
6.02	49.83	W9XF	Chicago, Illinois	6.25	48.00	CN8MC	Casablanca, Morocco
6.02	49.83	DJC	Zeesen, Germany	6.25	48.00	HJ3ABF	Bogota, Colombia
6.03	49.75	XEW	Mexico, D. F., Mexico	6.32	47.50	T1TR	San Jose, Costa Rica
6.03	49.75	VE9CA	Calgary, Alta., Canada	6.38	47.00	HJ5ABD	Cali, Colombia
6.04	49.67	W4XB	Miami Beach, Fla.	6.38	47.00	HC1DR	Quito, Ecuador
6.04	49.67	W1XAL	Boston, Mass.	6.39	46.96	W3XAL	Bound Brook, N. J.
6.05	49.59	GSA	Daventry, England	6.43	46.67	VE9BY	London, Ont., Canada
6.05	49.59	VE9HX	Halifax, Nova Scotia	6.61	45.38	RW72	Moscow, U. S. S. R.
6.06	49.50	ZL2ZX	Wellington, New Zealand	6.62	45.31	PRADO	Rio Bamba, Ecuador
6.06	49.50	CMCI	Havana, Cuba	6.67	45.00	F8KR	Constantine, Algeria
6.06	49.50	W8XAL	Cincinnati, Ohio	6.67	45.00	TGW	Guatemala City, Guatemala
6.06	49.50	VQ7LO	Nairobi, Kenya, Africa	6.98	43.00	EAR110	Madrid, Spain
6.06	49.50	W3XAU	Philadelphia, Penna.	7.21	41.60	HJ4ABB	Manizales, Colombia
6.07	49.42	VE9CS	Vancouver, B. C.	7.21	41.60	EAR58	Tenerife, Canary Islands
7.44	40.30	HBQ	Radio Nations, Geneva, Switzerland	11.78	25.47	VE9DR	Drummondville, Que., Can.
7.56	39.70	HKF	Bogota, Colombia	11.79	25.45	W1XAL	Boston, Mass.
7.61	39.42	HJ3ABF	Bogota, Colombia	11.81	25.40	I2RO	Rome, Italy
7.80	38.47	HBP	Radio Nations, Geneva, Switzerland	11.81	25.40	VE9GW	Bowmanville, Ont., Canada
7.88	38.07	J1AA	Tokio, Japan	11.83	25.36	W2XE	New York, N. Y.
8.00	37.50	HC2JSB	Guayaquil, Ecuador	11.83	25.36	W9XAA	Chicago, Illinois
8.11	36.99	HCJB	Quito, Ecuador	11.86	25.28	GSE	Daventry, England
8.65	34.68	VE9BY	London, Ont., Canada	11.87	25.27	W8XK	Pittsburgh, Penna.
8.93	33.50	TGX	Guatemala City, Guatemala	11.90	25.20	FYA	Paris, France
9.30	32.26	CNR	Rabat, Morocco	11.90	25.20	CT3AQ	Funchal, Madeira
9.49	31.61	SR1	Poznan, Poland	12.82	23.39	CNR	Rabat, Morocco
9.51	31.55	VK3ME	Melbourne, Australia	12.85	23.35	W2XO	Schenectady, N. Y.
9.51	31.55	GSB	Daventry, England	13.95	21.51	YO1	Bucharest, Roumania
9.52	31.51	OXY	Skamleback, Denmark	14.63	20.51	XDA	Mexico, D. F., Mexico
9.53	31.48	W2XAF	Schenectady, N. Y.	15.01	19.99	CM6XJ	Havana, Cuba
9.56	31.38	DJA	Zeesen, Germany	15.01	19.99	T14NRH	Heredia, Costa Rica
9.57	31.35	W1XAZ	Springfield, Mass.	15.08	19.90	HVJ	Vatican City, Italy
9.57	31.36	W8XK	Pittsburgh, Penna.	15.14	19.84	GSF	Daventry, England
9.58	31.30	GSC	Daventry, England	15.14	19.84	DJB	Zeesen, Germany
9.59	31.28	W3XAU	Philadelphia, Penna.	15.20	19.82	DJB	Pittsburgh, Penna.
9.59	31.28	VK2ME	Sydney, Australia	15.21	19.73	W8XK	Pittsburgh, Penna.
9.59	31.28	HBL	Radio Nations, Geneva, Switzerland	15.24	19.68	FYA	Paris, France
9.60	31.25	CT1AA	Lisbon, Portugal	15.25	19.66	W2XAL	New York, N. Y.
9.68	31.00	T14NRH	Heredia, Costa Rica	15.27	19.64	W2XE	New York, N. Y.
9.87	30.40	EAQ	Madrid, Spain	15.33	19.56	W2XAD	Schenectady, N. Y.
10.35	28.99	LSX	Buenos Aires, Argentina	15.49	19.36	J1AA	Tokio, Japan
11.18	26.83	CT3AQ	Funchal, Madeira	17.76	16.89	DJE	Zeesen, Germany
11.70	25.63	FYA	Paris, France	17.77	16.88	GSG	Daventry, England
11.72	25.60	VE9JR	Winnipeg, Man., Canada	17.77	16.88	PHI	Eindhoven, Holland
11.73	25.58	PHI	Eindhoven, Holland	17.78	16.87	W3XAL	Bound Brook, N. J.
11.75	25.53	GSD	Daventry, England	17.78	16.87	W9XF	Chicago, Illinois
11.76	25.51	DJD	Zeesen, Germany	17.78	16.87	W8XK	Pittsburgh, Penna.
11.76	25.51	XDA	Mexico, D. F., Mexico	17.78	16.87	W8XK	Pittsburgh, Penna.
				17.78	16.87	W9XAA	Chicago, Illinois
				18.83	15.93	PLE	Bandoeng, Java
				20.73	14.47	LSY	Buenos Aires, Argentina
				21.46	13.98	W1XAL	Boston, Mass.
				21.47	13.97	GSH	Daventry, England
				21.50	13.95	W9XF	Chicago, Illinois
				21.54	13.93	W8XK	Pittsburgh, Penna.

# WHOLESALE RADIO SERVICE CO. INC.

Main Office and Warehouse  
100 SIXTH AVENUE • NEW YORK, N.Y.

BRONX, N.Y. 542 E. Fordham Road
ATLANTA, GA. 430 W. Peachtree St. N.W.
NEWARK, N.J. 219 Central Ave.

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# Special Values in DRY ELECTROLYTICS

## Tubular Cartridge Units



Compact condensers in tubular cardboard containers only 2 1/4" long. Have stiff wire leads. Ideal for use in midjet receivers where space is a factor.

Stock No.	Cap'y Mfd.	Peak Volts	Diam. Inches	Your Cost
XD3139	1/2	500	1 1/8	\$0.17
XD3100	1	500	1 1/8	.19
XD3101	2	500	1 1/8	.24
XD3140	4	500	1 1/8	.29
XD3141	1	250	1 1/8	.20
XD3142	2	250	1 1/8	.20
XD3143	4	250	1 1/8	.25
XD3144	5	175	1 1/8	.22
XD3145	6	50	1 1/8	.16
XD3146	10	50	1 1/8	.18
XD3257	25	50	1 1/8	.30
XD3259	5	25	1 1/8	.16
XD3102	10	25	1 1/8	.18
XD3103	25	25	1 1/8	.28
XD3294	5-5	25	1 1/8	.26
XD3296	10-10	25	1	.28



## Compact Units in Cartons

Only 2 1/4" long. Popular for use in A. C. - D. C. midjets where space is important.

Stock No.	Cap. Mfd.	Peak Volts	Size W	H	Your Cost
XD3299	1/2	500	3/4	3/4	\$0.20
XD3109	2	500	3/4	3/4	.23
XD3110	4	500	1 1/4	3/4	.25
XD3111	8	500	1 1/4	1 1/4	.29
XD3112	4-4	200	1 1/4	3/4	.39
XD3113	8-8	200	1 1/4	3/4	.49
XD3114	5-5	50	3/4	3/4	.27

† With lugs. \* With 6" leads.



## Rectangular Aluminum Can Units 500 V. Peak

Each section insulated. Two insulated leads each section. Drawn aluminum containers. 450 V. working volts.

Stock No.	Cap'y Mfd.	H	W	T	Your Cost
XD3123	4-4	4 1/2	1 1/2	1 1/2	\$ .58
XD3124	4-8	4 1/2	1 1/2	1 1/2	.68
XD3120	8-8	4 1/2	1 1/2	1 1/2	.72
XD3122	4-4-4	4 1/2	1 1/2	1 1/2	.85
XD3121	8-8-8	4 1/2	1 1/2	1 1/2	1.08

## Compact Condensers in Round Inverted Metal Cans

### 1" in Diameter

Designed for use in sets where space is limited. These units are contained in round drawn aluminum shells only 1" in diameter and provided with a 1/8" threaded stud. For inverted mounting. Have insulated leads for connections; separate positive and negative leads. 450 volts D. C. working voltage. Their low power factor and low leakage insure maximum filtering action. All sealed so as to be moisture proof. Furnished with mounting nut. Shpg. wt. 1 lb.



Stock No.	Cap'y Mfd.	Peak Volts	Your Cost
XD3376	2	550	\$0.30
XD3377	4	550	.34
XD3378	6	550	.39
XD3379	8	550	.40

These dry electrolytic condensers are all high grade units, and are used by many standard radio set manufacturers. At the exceedingly low prices at which they are being offered, it will pay the serviceman to order a complete stock to fill his daily service requirements.

## Round Inverted Metal Can—500 Volts Peak



These single and dual section electrolytics contained in cylindrical aluminum cans. Fit 1/4" hole, and are furnished with hex nut and lockwasher. All conservatively rated, working voltage 450 volts D. C. Designed for use in all types of power amplifiers and other radio equipment.

Stock No.	Cap'y Mfd.	Size L	Dia.	Your Cost
XD3104	4	2 3/8	1 1/8	\$0.28
XD3105	6	4 3/8	1 1/8	.30
XD3106	8	4 3/8	1 1/8	.32
XD3107	4-4	4 3/8	1 1/8	.48
XD3108	8-8	4 3/8	1 1/8	.62

## Cardboard Type With Mounting Flanges



These units are contained in tough fibre cardboard housings and provided with mounting tabs at either end. When clamp mounting is desired, these tabs may be cut out without breaking the cardboard housing.

Stock No.	Cap'y Mfd.	Peak Volts	Size L	W	D	Your Cost
XD3115	4	500	4 1/2	1 1/2	1 1/2	\$0.23
XD3116	8	500	4 1/2	1 1/2	1 1/2	.26
XD3117	4-4	500	4 1/2	1 1/2	1 1/2	.70
XD3118	8-8	500	4 1/2	1 1/2	1 1/2	.49
XD3119	8-8-8	500	4 1/2	1 1/2	1 1/2	.77
XD3125	50	25	4 1/2	1 1/2	1 1/2	.39

## Round Upright Metal Can Units—500 V Peak

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



Stock No.	Cap'y Mfd.	Size L	Dia.	Your Cost
XD3127	8	4 3/8	1 1/8	\$0.32
XD3128	4-4	4 3/8	1 1/8	.48
XD3129	8-8	4 3/8	1 1/8	.58
XD3126	5-15	4 3/8	1 1/8	.75
XD3130	4-4-4	4 3/8	1 1/8	.85
XD3131	8-8-8	4 3/8	1 1/8	.92
XD3132	8-8-8	4 3/8	3"	1.38
XD3133	9-9-18	4 3/8	3 1/2"	1.20
XD3134	8-8-18	4 3/8	3 1/2"	1.90

## MERSHON Wet Electrolytics



Only a limited quantity of these genuine Mershon wet electrolytics are being offered at these exceptionally low prices. All are brand new—recent factory output. All are of the clamp mounting type except two as noted below. Clamp mounting units supplied with clamp; stud mounting units supplied with lock-washer and nut.

Stock No.	Cap'y Mfd.	Wkg. Vts.	Your Cost
XD2690	6	425	\$0.15
XD2691	6	450	.15
XD2686*	6	450	.15
XD2694	8	450	.17
XD2688*	8	450	.17

\* Stud Mounting Condensers.

## Limited Quantity 4 Mfd. 600 Volt Filter Condenser

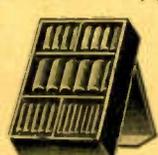


High voltage condenser conservatively rated at 4 mfd., 600 volts D. C. working voltage. In metal can 5x2 1/4x1". Long leads. Shpg. wt. 3 lbs. XB554—Your Cost \$35.00

## Tubular Condenser Kit

The most attractive condenser bargain ever offered to the serviceman. Each kit contains 25 tubular condensers, manufactured by a famous condenser manufacturer, and all are STANDARD SIZES—no "flake" capacities or voltages. Range from 200 to 600 volts D. C. working voltage, from .0005 to .1 mfd. Shpg. wt. 3 lbs. XD3258—Your Cost, Kit of 25.....

**86¢**



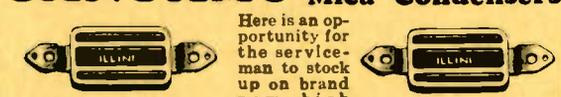
## .1 Mfd. Cased By-Pass Condenser

Metal cased lug mounting type .1 mfd. by-pass rated at 200 volts. Shpg. wt. 1 lb.



XB461—Special..... 7¢

## "ILLINI" SANGAMO Mica Condensers



Here is an opportunity for the serviceman to stock up on brand new, high quality mica condensers at prices far below the present market quotations. These Sangamo condensers are constructed with the finest ruby mica, and are housed in moulded bakelite cases. All units have capacities marked on them.

Stock No.	Cap'y Mfd.	Your Cost Each	Stock No.	Cap'y Mfd.	Your Cost Each
XD4176	.001	5¢	XD4173	.0005	4¢
XD4171	.003	3¢	XD4180	.00005	3¢
XD4170	.000125	3¢	XD4174	.0009	3¢
XD4172	.00045	3¢	XD4175	.00002	3¢

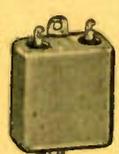
**SPECIAL KIT—12 UNITS**  
Contains the following:  
4—.001 1—.00045 1—.00002  
1—.003 1—.0005 1—.00005  
2—.000125 1—.0009  
XD4166—Kit of 12  
Your Cost, Special..... **35¢**

**SPECIAL KIT—25 UNITS**  
Contains the following:  
6—.001 2—.00045 2—.00002  
4—.003 2—.0005 8—.00005  
4—.000125 2—.0009  
XD4167—Kit of 25  
Your Cost, Special..... **69¢**

**SPECIAL KIT—50 UNITS**  
Contains the following:  
8—.001 5—.00045 5—.00002  
5—.003 8—.0005 6—.00005  
8—.000125 5—.0009  
XD4168—Kit of 50  
Your Cost, Special..... **\$1.25**

**SPECIAL KIT—100 UNITS**  
Contains the following:  
24—.001 8—.00045 10—.00002  
12—.003 10—.0005 12—.00005  
16—.000125 8—.0009  
XD4169—Kit of 100  
Your Cost, Special..... **\$2.40**

## AEROVOX Triple .1 Condenser



Made especially for General Motors, G. M. Part No. 1200473. (Model A chassis.) Connections brought out to solder lugs. Can common negative. 300 volts D. C. working.

XD3992—List 85¢  
Your Cost Each..... **25¢**

Stock No.	Cap'y Mfd.	List Price	Your Cost
XD3813	.002	\$0.85	\$0.12
XD4183	.00025	.20	.06

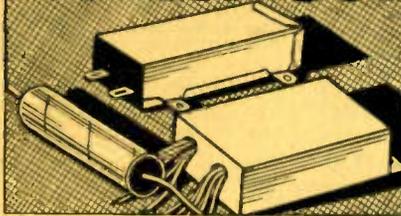
## AMPLEX Grid-Denser



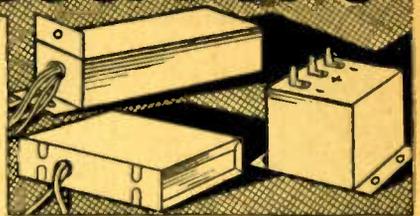
A very compact .005 mfd. trimmer condenser mounted in a moulded case and equipped with binding posts. Very handy for temporary or permanent use in receivers, etc. Shpg. wt. 1 lb. XH9738—Your Cost, Special..... **9¢**

# AG-DC ELECTROLYTICS

for all standard receivers



Wholesale Radio Service Company offers the most comprehensive line of exact duplicate electrolytics for popular A. C.-D. C. sets. Every one of the units listed below conforms in every way to the specifications of the original manufacturer. At the exceptionally low prices at which they are being offered, it will pay the serviceman to use them rather than makeshift replacements. Quantities limited.



Stock No.	Mfrs. No.	Capy. Mfd.	Wkg. Volts	Your Cost
<b>ATWATER KENT</b>				
XD3013	25955	8-8-8	150	\$0.95
XD2951		8-8	300	.84
<b>AUDIOLA</b>				
XD2800		10	25	.22
<b>BELMONT (FRESHMAN)</b>				
XD3018	C-525-C	5-25	100	.76
XD3019	C-525-B	5-25-5	100	.95
<b>BOSCH</b>				
XD2801	SA-104614	8	225	.33
XD2803	SA-106536	6-10	450	.72
XD3014	SA-106665	8-4-20	450-350-25	.75
XD3015	SA-107029	4-2	300-250	.40
XD3016	SA-105237	8-4-20	450-350-25	.75
XD3017	SA-105700	4-12-8-4	150-25	.90
<b>COLONIAL</b>				
XD3020	R-8357	8-20	150-20	.73
XD3021	R-8449	8-8-35	150-20	1.14
XD3022	R-11800	8-8-10	150-25	.92
<b>CROSLEY</b>				
XD2804	W-27488	6-8	300-25	.42
XD2805	W-27488	6-8	400-25	.47
XB502	W-30124	8-16-16	125-125-100	.98
XB503	W-29012	12-2.5	40-80 A.C.	.65
XB504	W-29150	7-6-8	450-400-25	.95
XB505	W-30059	8-8-8	450-450-250	1.10
XD3023	W-26896A	12-6	300-25	.48
XD3024	W-29264A	16-16-8	125-125-20	.75
XD3025	W-29806A	16-16-8	125-100-125	.75
XD3026	W-30568	8-8-8	250-250-25	.75
XD3027	W-30419	8-8	250-20	.48
XD3028	W-27488A	6-8	400-25	.48
XD3029	W-30419A	8-8	300-20	.48
XD3030	W-29150C	8-6-12	450-450-25	.75
XD3035	W-38311A	12-8	250-35	.48
XD3036	W-31940	8-25-25	125-125-100	.75
XD3037	W-27488	6-8	300-25	.45
XD3038	W-28406	12	10 A.C.	.21
<b>DETROLA</b>				
XD3039		4-17-8	135	.85
XD3040		8-8-8-4	100	.75
<b>EMERSON</b>				
XD2956	KC-68	4-8-16	175	.89
<b>FADA</b>				
XD3043	1362-MS	8-16	200	.86
XD3044	1450-MS	16-8-8	250-250-150	1.38
<b>GALVIN (MOTOROLA)</b>				
XD2806	2520	25	20	.25
XD2807	8825	8-8-25	300-300-25	.83
<b>GENERAL HOUSEHOLD UTILITIES</b>				
XD2808	24144	4	150	.33
XD2809	24351	8-8	150-50	.40
XD2810	24459	4	500	.65
XD2811	24458	8-8	350-450	.55
XD2812	25195	4-4	200-50	.36
XD2813	24789	4	25	.21
XD2814	27715	4-8	350-100	.52
XD3041	27151	4-25-10-4	100-25	.75
XD3042	26201	4-12-4	150	.60

Stock No.	Mfrs. No.	Capy. Mfd.	Wkg. Volts	Your Cost
<b>GRIGSBY-GRUNOW</b>				
XD2817	7402	10	6	0.22
XD2818	7784	20	30	.39
XD2819	8118	20	30	.30
XD2820	7724	8	300	.39
XD2821	7824	8-16	300-450	.79
XD2822	8385	8-8	450	.81
XD2823	8755	8-4	450	.55
XD2824	9337	8	200	.31
XD2825	9661	8-16-10	140-15	1.15
XD2826	10067	10	25	.20
XD2827	9979	8-8	350	.72
XD2828	10193	8	450	.39
XD2829	10208	10-10	25	.28
XD2830	10488	10	25	.20
XD2831	10369	8-8	400	.72
XD2832	10630	8-8-10	400-400-25	.98
XD2833	10946	10	30	.32
XD2834	11017	16	450	.60
XD2835	11200	4-2	450	.47
XD2836	11452	4-8	450	.55
XD2850	11640	4-6-10	300-350-25	.95
XD2851	11794	20	30	.39
XD2852	12026	20-10	25	.38
XD2853	12038	16	450	.63
<b>HALSON</b>				
XD2960		16-8-4	150	1.08
XD2961		16-16-4	150	1.20
XD2962		16-4-4	150	.99
<b>MIDWEST</b>				
XD2854	R-216	12	25	.21
<b>PHILCO</b>				
XD3045	30-2003	10	50	.38
XD3046	30-2029	1-1-2	300-350-300	.75
XD3047	30-2062	8-2-10	475-475-50	1.25
XD2925	30-2046	8-10	475-50	.75
XD2926	30-2078	1-2-1-1	450-300-350-350	1.10
XD2927	30-2080	1-1-2	450-450-300	.75
XD2928	30-2072	8-4-10	350-350-25	1.10
<b>PILOT</b>				
XD2855	22481	5	25	.21
XD2856		5-5	50	.28
XD2857	22484	8	150	.29
XD2858	70871	8-5-6-4-12	150-25-25-150-150	1.50
XD2966		2	100	.27
XD2967	22483	2	350	.39
<b>RCA-VICTOR</b>				
XD2859	64570-1	4	450	.30
XD2860	64570-7	25	200	.55
XD2861	64460-3	4	200	.28
XD2862	66126-2	4-4	300	.49
XD2863	66143-3	4-4	450-150	.45
XD2864	66122-2	4-4	250	.38
XD2865	66140-4	1-3-6	225-100	.33
XD2866	66140-2	5-5	35	.27
XD2867	66143-2	10-4	300-150	.55
XD2868	66140-8	8	160	.33
XD2869	66174-1	4-4-4	140-220-140	.62
XD2885	66174-1	4-4-4	140-220-140-15-4-4	1.35
XD2886	66140-6	8	150	.35

Stock No.	Mfrs. No.	Capy. Mfd.	Wkg. Volts	Your Cost
<b>RCA-VICTOR (Cont'd)</b>				
XD2887	66185-1	5-5-8-8	40-40-230-380	\$0.95
XD2888	66139-1	4	25	.21
XD2889	66189-2	8-4-4-4	325-140-280-20	.81
XD2890	66171-1	8-8-4	225-150-150-10-8-8	1.59
XD2891	66170-2	10-10	350-100	.55
XD2892	66196-1	8	450	.37
XD2893	66185-2	5-5-8-8	40-420	.85
XD2894	66197-11	4	150	.28
XD2895	68619-4	4-8	450	.58
XD2896	68505-3	8-8	450	.59
XD2897	68526-1	4	250	.38
XD2898	68139-2	4	25	.21
XD2899	68531-2	10-8-4	50-200-450	1.10
XD2900	68527-2	10-10-4	25-25-200	.70
XD2901	66143-3	4-4	450-150	.45
XD2902	68160-2	8-4-10	175-175-25	.55
XD2930	66155	4-4-10-4	300-300-150-25	.85
XD2931	66181	10-10-4	25-25-150	.52
XD2932	66195	8-15	25	.32
XD2933	66140-5	15-5	30	.32
XD2934	66197-2	5-5	50	.32
<b>SHELBOURNE</b>				
XD2902		8-8	300-35	.55
<b>SPARTON</b>				
XD2972	A10001	6-10-4	250-250-200	1.14
XD2973	A9754	4-12	450	1.05
XD2935	A9550	5-5-25	150	1.30
<b>STEWART WARNER</b>				
XD2936	83374	3	100	.20
XD2937	83394	12	100	.35
XD2938	83803	12	25	.20
<b>TATRO</b>				
XD2903		10	40	.35
<b>WELLS GARDNER (MONTGOMERY WARD)</b>				
XD2905	80989	8-16	300	.75
XD2906	80995	8	25	.25
XD2907	81021	12-12	25	.35
XD2908	81016	8-8	300	.60
XD2939	80984B	16-6	475-150-350-4-8	1.35
XD3092	81018A	6-2-2	150-300-300	.65
XD3093	82002B	2-4-4	250-250-25	.45
XD3094	80956A	8-8-20	200-200-25	.60
XD3095	80988A	4-20-30	150-150-100	.60
XD3096	81000	2-8	300-150	.50
XD3097	80944A	4-13-7	150	.60
XD3098	80996	4-12-12	150	.60
XD3099	80944C	4-12-15	150-150-160	.60
<b>WURLITZER</b>				
XD2909	Y-3052-R	10	25	.25
XD2910	Y-3228	5	100	.22
<b>ZENITH</b>				
XD2911		6	300	.29
XD2912	22-189	20	25	.25
XD3010	22-236	8-8-10	300-300-25	.75
XD3006	525-P	5-25-5	100	.98
XD3011	22-230	8-8	450	.90

**Dual 4 Mfd. 450 Volt Electrolytic**

A special offer of these 4-4 mfd. 450 volt condensers. 500 volt peak. In cardboard container with flanges for mounting. Size 4 1/8 x 1 1/4 x 1 1/4"; mtg. centers 4 3/8". Common terminal positive.

**XD3397—Your Cost, Special..... 32¢**

**Special 5 Mfd. 100 Volt Tubular Electrolytic**

An ideal condenser for use in midget sets. Capacity 5 mfd., 100 volts working voltage. In tubular cardboard container 2x 3/4". Has 3 1/2" wire leads.

**XD2910—Your Cost Each..... 19¢**

**Dual 8 Mfd. 450 Volt Electrolytic**

A special offer of these 8-8 mfd., 450 volt condensers. Peak 500 volts. In cardboard container, size 3 3/4 x 1 1/8 x 1 1/8". Has common negative lead.

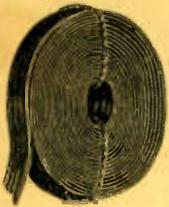
**XC1022—Your Cost Each, Special..... 39¢**

Mail Your Orders to NEW YORK or ATLANTA



**No Equal in Quality at these LOW PRICES!**

**16 Conductor Remote Control Cable**



Consists of 16 conductors woven into a flat strip only 1" wide. Each conductor composed of 10 strands of No. 28 wire in a rubber sheath. Ideal for remote control extension cable. Brown rayon covering. Shpg. wt. 8 lbs.  
**XQ16133—35 Foot Coil**  
**Your Cost . . . . . 95¢**

**Combination Outlet Box Receptacle and "On-Off" Switch**



Consists of a 10 ampere, 125 volt "on-off" switch and a bakelite plug receptacle mounted in a fine porcelain base that fits any standard outlet box. Heavy duty brass contacts. Ideal for use with irons, fans and other electrical appliances. Shpg. wt. 1 lb.  
**XM13223—**  
**Your Cost Each . . . . . 39¢**  
**10 For . . . . . \$3.50**

**CARTER Jacks**



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

**Combination Radio Wall Outlet**



Provides outlets for aerial and ground in addition to an A. C. outlet with an individual switch for the A. C. Attractive bronze wall plate will fit standard "gem" box. Complete with tip plugs. Shpg. wt. 1 lb.  
**XM13221—**  
**Your Cost . . . . . 53¢**

**GENERAL MOTORS Voltage Divider**

For Model A, chassis 120, 180, 140, 150, 160. 5200 ohms tapped at 460-2000-1700-240-800 ohms. Part No. **XX20393—** 1201395.  
**Your Cost Each . . . . . 39¢**



**175 Kc. Midget I. F. Transformer**

Midget double tuned I. F. transformer. Compact type used in latest receivers. Dimensions 1 1/4" diameter, 2 3/4" high. Trimmer condensers have genuine Isolantite bases, and are tuned from top of assembly. Due to precision winding, these units provide exceptionally high gain. **Quantity limited.**  
**XH10036—**  
**Your Cost . . . . . 45¢**



**POLYMET By-Pass Condensers**



**.25 Mfd. 300 V.**  
 In metal case with solder lug terminals. Mounting feet at top and bottom. For general use in all types of radio receivers. **Quantities limited; order now.**  
**XB740—Your Cost Each 15¢**



**.1 Mfd. 200 V.**  
 In metal case with leads. Mounting feet on either side. Only a limited quantity.  
**XB741—Your Cost . . . . . 10¢**  
 Similar to above, but .25 mfd., 200 volts D. C.  
**XB742—Your Cost Each 10¢**

**Electrolytic Condensers at BARGAIN PRICES**



**Cardboard Electrolytics**  
 Standard units of highest quality. Cardboard containers with leads for connections. All conform with RMA ratings. **Only a limited quantity; order some now.**

Stock No.	Cap'y Mfd.	Wkg. Volts	Your Cost Each
XD3592	12	150	\$0.27
XD3593	24	150	.33
XD3594	16	250	.29
XD3595	4	300	.19

**Dual 8 Mfd. 450 Volts Upright Can Electrolytic**



Tubular type units housed in drawn aluminum shells 5" high, 1 1/4" in diameter. Made by one of the largest and most reputable manufacturers. Conservatively rated at 600 volts peak. Can negative. High grade first quality units. Efficient for all types of replacement work.  
**XD3596—**  
**Your Cost Each 69¢**

**★ Bargain ★**

**G. E. Rotary Switch**



On and off switch. Rated 3 amperes, 125 volts. Approved 3/4" shaft for standard knob.  
**XM12827—**  
**Your Cost Each, Special . . . . . 9¢**

**RCA-VICTOR Field Coil Model R-4**



Genuine RCA-Victor part used in above model receiver. Part No. 8445. D. C. resistance 1900 ohms. Can be used in many other midget receivers. Size 1 1/4" high, 2" wide, 1 1/4" hole. Leads for connections. **Only a limited quantity. Order yours now before it is too late.**  
 Shpg. wt. 2 lbs.  
**XW19753—Your Cost . . . . . 59¢**

**SPECIAL! 2.5 Volt Filament Transformer**



A ruggedly built transformer, semi-open type with strap mounting. Delivers 2.5 volts at 3.5 amperes (for 2 type 24, 27, 35, etc., or 3 type 56, 57, 58, etc.). Primary for 110 volts, 60 cycles A. C. Shpg. wt. 2 lbs.  
**XC1636—**  
**Your Cost Each . . . . . 39¢**

**FADA Audio Transformer and Choke**

Straight audio transformer used in early model Fada receivers. Ratio 3:1. Primary 3500 ohms, secondary 8000 ohms. Open type with long insulated leads. Size 3x1 1/4"x2 1/4". Shpg. wt. 2 lbs.  
**XC1838—Your Cost Ea. 39¢**  
 Fada Choke: Similar in appearance to the above. Rated at 6 henries, maximum D. C. 75 M. A. Resistance 580 ohms. Shpg. wt. 2 lbs.  
**XC1839—**  
**Your Cost . . . . . 35¢**



**Quantity Limited! Radiola Double Choke Models 60, 62**



RCA Part No. 8345. Consists of two heavy duty filter chokes rated at 30 henries each, maximum D. C. 100 milliamperes. D. C. resistance 900 and 1800 ohms. In heavy metal container with crimp lugs for mounting. Color coded leads for connections. Size 5 1/4"x3 3/4"x2 1/4". Shpg. wt. 6 lbs.  
**XC2182—**  
**Your Cost, Special . . . . . 89¢**

**KOLSTER Pentode Output Transformers**

A popular type strap mounting unit ideal for general replacement purposes. To match the impedance of a single pentode such as 47, 2A5, etc. to a 5-15 ohm voice coil. 3x2x1 1/4"; mounting centers 3 1/2". Shpg. wt. 2 lbs.  
**XC1837—Your Cost Ea. 39¢**



**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 1/4"x1 1/4"x2 1/4". Shpg. wt. 2 lbs.  
**XC2237—Your Cost . . . . . 29¢**



**Tone Controls for RCA-VICTOR**

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



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

Genuine RCA Part No. 2996 for the above model receivers. Resistance 500,000 ohms. Bradley control. Can be used in any receiver.  
 Shpg. wt. 1 lb.  
**XG8344—**  
**Your Cost . . . . . 19¢**



**Special 15,000 Ohm Control**

Made by Frost. Tapered for ant. and "C" bias. Dust-proof metal housing. 3/4" shaft. Get a few at this low price. **Quantity limited.**  
**XG8347—**  
**Your Cost, Special . . . . . 15¢**



**CRL Volume Controls**

These "special" CRL volume controls can be used in many of the present day receivers. Only a limited quantity available.  
**XG8348—25,000 Ohm Pot. 19¢**  
**Your Cost Each . . . . . 19¢**  
 Dual Volume Control—5000 ohms wire wound and 15,000 carbon strip.  
**XH9696—**  
**Your Cost . . . . . 19¢**



**ELKON U20 Rectifiers**

Used in the early model Fada and Farrand, etc., speakers. Input 20 volts A. C.; output 12 volts D. C. at 1 ampere. Shpg. wt. 4 lbs.  
**XA433—**  
**Your Cost . . . . . 95¢**



**Metal Binding Posts**

These binding posts are constructed of brass, nickel plated. Only the two types shown below are available. Excellent for use on panels for quick connections. **Quantities are limited.**

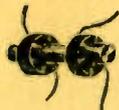


**XM13020—Type A.** Bolt and nut mounting. Knurled screw top. Heavy duty type. **Your Cost Each . . . . . 5¢**  
**XM13021—Type B.** Removable wood screw mounting. Can be mounted with a 10-32 bolt. **Your Cost Each . . . . . 5¢**  
**10 For . . . . . 45¢**  
 Flat top knurled machine screws to fit type B.  
**XM13018—Your Cost Each. 1¢**

# We Want SALES--These Prices Prove It!

## Final Closeout

**Majestic 175 Kc.  
I. F. Coil**



Can be used in Majestic or any other receiver employing 175 Kc. I.F. transformers. Each section wound and perfectly insulated. On genuine isolantite form. Inductance of each section approximately 40-mh. Every serviceman should keep a few in stock at all time.  
**XM10048—  
Your Cost Each..... 15¢**

## STROMBERG-CARLSON 2 Mfd. Condensers



The original Stromberg Part No. P15075. Used in early model receivers. Working voltage 400 volts D. C. In metal container  $4\frac{1}{2} \times 2\frac{1}{2} \times \frac{3}{8}$ ". Solder lug terminals. Can be used in general repair work as filter or by-pass condenser.

Shpg. wt. 1 lb.  
**XB730—  
Your Cost Each..... 25¢**

## Genuine ATWATER KENT Condensers

The genuine condensers used in Atwater Kent receivers.



Stock No.	A.K. No.	Part No.
XB1428	15262	H1, B1, H9, H20
XB1425	15263	H2, B2
XB1431	16461	H6
XB1432	16828	B5
XB1433	15158	
XB1436	21430	H39
XB1437	16318	B4
XB1438	16233	H4, H10
XB1439	15780	H17
XB1440	21180	H38
XB1441	15640	H16

**Your Cost Each, Any Type..... 10¢**

## ★ Special Carbon Resistor Kit ★



**100 Resistors**

Another Wholesale Radio Service Company scoop. Just what the serviceman needs. This kit contains an assortment of 100 carbon resistors, 25 assorted  $\frac{1}{4}$  and  $\frac{1}{2}$  watt sizes and 75 one watt sizes. Values range from 100 ohms to 10 megohms. All color coded according to RMA specifications. In cardboard box with color code chart imprinted in cover. Size  $7 \times 3\frac{1}{4} \times 1\frac{1}{2}$ ".  
**\$2.75**

**XE5277—Shpg. wt.  $2\frac{1}{4}$  lbs.  
Your Cost, Special.....**

## RMA Color Coded Carbon Resistors



These standard RMA color coded resistors are being offered at a price far below the market. When ordering, be sure to specify stock number of type and resistance desired. Available in  $\frac{1}{4}$  and 1 watt sizes only; only the resistance values listed below are available.

Res. Ohms	Res. Ohms	Res. Ohms	Res. Ohms
100	2000	20000	300000
150	2500	25000	400000
200	3000	30000	500000
250	5000	35000	750000
500	6000	50000	1 Meg.
600	7500	75000	$1\frac{1}{2}$ Meg.
750	10000	100000	2 Meg.
900	12000	150000	$2\frac{1}{2}$ Meg.
1000	13000	200000	3 Meg.
1500	15000	250000	5 Meg.

**XE5235— $\frac{1}{4}$  Watt Type  
XE5240—1 Watt Type  
Your Cost, Either Type..... 3¢  
100 For..... \$2.50**

## Fibre Tubing For RF and IF Coils



Finest quality fibre tubing. Have holes for connections. Two sizes.  
**XM10230—A p..... 3¢  
Your Cost Each..... 4¢**

**XM10233—Approx.  $4\frac{1}{2} \times 1\frac{1}{4}$ "..... 4¢  
Your Cost Each.....**

## C-H Radio Outlet

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



**XM12322—  
Your Cost, Special..... 8¢**

## Limited Quantity

**NA-ALD  
5-Prong Socket**



Standard sub-panel type for radio use. Panel hole  $1\frac{1}{4}$ " ; mtg. centers  $1\frac{1}{8}$ ". Limited

quantity.  
**XM11625—  
Your Cost Each..... 7¢**



**Handy  
Scratch  
Remover**

For removing mars and scratches from furniture. Will last indefinitely. In durable container.  
**XP15520—  
Your Cost Ea. 25¢**

## Dial Scale Assortment



Just the thing for the serviceman. Consists of an assortment of fan type scales, drum type scales, etc. in all sizes and colors. You can't go wrong at this ridiculously low price. Get yours now!  
**XM9801—  
10 for..... 19¢**

## Limited Quantity

**GILBERT Toy Motor**

Operates on A. C. or D. C.



A well built toy motor that can be used to activate dancing dolls, window displays, etc. Operates on 15 volts either A. C. or batteries. Can be made to turn in either direction. Frame is connected to one side of the voltage supply, and one of two leads to the other according to the direction (clockwise or counter-clockwise) desired. Shpg. wt. 3 lbs.

Quantity limited.  
**XS17323—  
Your Cost, Special..... 35¢**

# JONES PRODUCTS



The purchase of the entire factory output on the items listed below enables us to offer them at these "throw away" prices. Besides the innumerable uses to which they may be placed, the hardware alone may be salvaged to afford great saving.

**Single Filament Control Jack**  
**XM12857**

Nickel plated brass hardware. Single  $\frac{3}{8}$ " panel hole mounting. Binding post terminals. Well insulated. List, \$1.00

**10¢ each**  
\$1.00 PER DOZ.

**"A" Battery Switch**  
**XM12859**

Push button type. Moulded bakelite mount. Nickel plated brass hardware. Binding post terminal. Single  $\frac{3}{8}$ " panel hole mounting. List \$1.00

**Double Circuit Panel Mount Jack**

Closed circuit type. Nickel plated brass hardware.  $\frac{3}{8}$ " panel hole mounting. Binding posts. List \$1.00  
**XM12858**

**Eight Contact Inductance Switch**

Low loss switch. Nickel plated brass hardware. Mounts in single  $\frac{3}{8}$ " panel hole. List \$1.50  
**XM12860**

## Speaker Grill Cloth

Fine quality brown ornamental cloth for use behind speaker grills. Neat appearance. Few left.  
**XW19609—  
Your Cost Each..... 15¢**



## Special Bargain 2-Watt Carbon Resistors



All RMA color coded. Offered at a price far below the present market. Every serviceman should avail himself of this opportunity by purchasing a complete stock now. Only sizes shown in listing are available. Quantities limited.

Res. Ohms	Res. Ohms	Res. Ohms	Res. Ohms
400	3000	17000	60000
500	4500	20000	75000
750	6500	25000	80000
1000	9000	30000	140000
2000	10000	40000	
2500	15000	50000	

**XE5245—  
Your Cost, Any Size..... 5¢**

Mail Your Orders to NEW YORK or ATLANTA



# We challenge you to EQUAL these Prices!

## RCA Output Transformer

For models 46, 47 and 66. Genuine Part No. 6019. To match a single 71A or 45 to a 5-15 ohm voice coil. Shpg. wt. 3 lbs.



**XC2170—**  
Your Cost Each..... **35¢**

## RCA Remote Control Relay



The genuine RCA part used in the remote control units with models

R-86R, RAE-59, RAE-68, RAE-79, etc. Operates with from 10 to 14 volts A. C. or D. C. on the contacts. Voltage can be applied only momentarily. Will carry up to 1 ampere.  
**XN14624—Your Cost... 49¢**

## SPECIAL 9-Wire Battery Cable

Composed of nine individual color coded conductors with brown cotton overbraid. In 5 foot lengths. Only a limited quantity.



**XR16087—Your Cost... 15¢**

## SPECIAL!

### Tubular By-Pass Condensers



An unprecedented offer of popular types of tubular by-pass condensers at new low prices. All conservatively rated and of standard manufacture. Finest quality foil and condenser paper used in their construction. All wax impregnated and sealed. Have wire leads for connections. All marked as to rated capacity. Quantities limited; order a supply while they are available.

Stock No.	Cap'y Mfd.	Wkg. Volts	Your Cost	Dual Units	Your Cost
XD3656	.01	200	3¢	Stock No. Cap'y Mfd. Wkg. Volts	
XD3657	.02	200	4¢	XD3664	.01-.01 400 \$0.07
XD3658	.05	400	8¢	XD3665	.02-.0001 400
XD3660	.12	400		XD3666	.02-.04 400
XD3661	.15	400		XD3667	.04-.04 400
XD3662	.25	600		XD3668	.05-.05 400 \$0.07
XD3663	.5	400			

## VICTOR Audio Transformer. Models R-32, RE-45, RE-75

An exact duplicate of the original Victor Part No. 10414. Consists of a straight audio transformer with a tap for a 200 ohm phonograph pick-up. Audio transformer primary 3000 ohms, secondary 12,500 ohms D. C. resistance. Housed in metal container with metal crimp plugs for mounting. Can be used in many other receivers. Shpg. wt. 4 lbs.  
**XE5534—**  
Your Cost Each..... **\$1.50**



## R. F. Choke Assortment



Consists of ten standard wood core R. F. chokes with inductances ranging from 2 to 22 millihenries. Every serviceman and set builder can make good use of this assortment. All types with leads: all in perfect condition. Only a limited quantity available. Shpg. wt. 2 lbs.  
**XH10110—**  
Your Cost, Box of 10..... **19¢**

## Bakelite and Fibre Assortment



An envelope of 25 assorted pieces of fibre and bakelite in all shapes and forms. Insulators, socket locators, washers, etc., etc. You can't fail to "get the best" of this bargain. At the price offered, our limited quantity will not last long. Get yours now.  
**XP15266—**  
Your Cost, 25 Pieces..... **9¢**

## STEWART-WARNER Pentode Output Transformer

Genuine Stewart-Warner Part No. G-67564. Used in models R-101A and R-101-B. To match 47 pentode to a 5-15 ohm voice coil of dynamic speaker. Fully shielded in metal case with long insulated leads. Ideal for use as general replacement transformer in all types of radio receivers and amplifiers. Only a limited quantity left. Shpg. wt. 3 lbs.  
**XE5535—**  
Your Cost Each..... **60¢**



## SANGAMO Audio Transformers



Only a few of these high quality audio components are now available. At the unusually low prices at which they are being offered, it is urgent that you fill your requirements now. All, with the exception of the Type F plate impedance, are full cased in metal containers with solder lug side terminals. Core material is high permeability silicon steel, so that exceptionally wide frequency response is realized. Ideal for use in all types of radio and P. A. equipment. Average size 3x2 1/2 x 2 1/2".

### TYPE H171

Push-pull output transformer to match a pair of 71A's, 45's, or 50's to a 5-15-ohm voice coil of a dynamic speaker. Solder lug terminals. Shpg. wt. 3 lbs.  
**XA373—List \$6.50**  
Your Cost..... **45¢**

### TYPE G210

Push-Pull output transformer to match single or push-pull type '10 tubes to a magnetic speaker. Secondary impedance 4000 ohms, plate to plate. Shpg. wt. 3 lbs.  
**XA369—List \$12.00**  
Your Cost..... **45¢**

### TYPE G210

Output transformer designed to match push-pull 10's to a 5-15-ohm voice coil of a dynamic speaker. Will provide excellent tone quality. Shpg. wt. 3 lbs.  
**XA371—List \$10.00**  
Your Cost..... **45¢**

TYPE F  
Plate impedance. Uncased type. Used in the plate circuit of detector. Also used for impedance coupled amplification. Tap provided for auto-transformer coupling. Shpg. wt. 3 lbs.  
**XA366—List \$5.00**  
Your Cost..... **25¢**

## Portable Carrying Case for Speakers



Especially designed for use with portable P. A. systems. This two-speaker case is ruggedly built to withstand rough usage. Composed of hard wood with leatherette covering. Corners reinforced with metal strips; bumpers on top and bottom. Speaker openings protected by leatherette flaps which may be folded back when speakers are in use. Case divides into two equal halves, and is held together by four side mounted hinge clasps. Provisions made inside of case to hold long lengths of cable. Will take speakers up to 14". Heavy leather handle. Size 20" high, 18 1/2" wide and 13 1/2" deep. Shpg. wt. 17 lbs.

**XY22084—**  
Your Cost, Special..... **\$8.95**

## "Professional" Speaker Cabinets

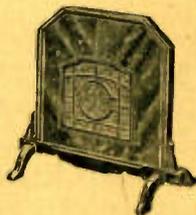


Model illustrated at left is designed to house large dynamic speaker chassis. Will accommodate speakers up to 14" in diameter. Cabinet constructed with fine two-toned walnut veneer, rubbed to a high polish. Speaker opening covered by a dull gold grill cloth. Top front of cabinet houses a drawer which may be used for storing spare equipment, etc. Drawer is outlined in gold and black inlay which presents an extremely pleasant appearance. Baffle has 10 1/2" hole. Provisions in cabinet to mount speaker shelf 11 1/2" deep. Hole for line switch in side of cabinet, and provisions for mounting indicator lamp at bottom. Size of cabinet 32 1/2" high, 19" deep and 20" wide. Quantity limited. Shpg. wt. 50 lbs.

**XY22195—**  
Your Cost, Special..... **\$9.95**

## Theatre Type Speaker Cabinet

Designed for use on theatre stages, this cabinet presents a beautiful appearance. May also be used as a fireplace baffle. Panel is 30 1/2" wide, and is constructed of two-toned straight grained walnut. Height 33 1/2". Speaker housing will take speakers up to 12" in diameter, and extends 7 1/2" behind panel. Baffle hole 10 1/2". Speaker opening covered by dull gold cloth and lattice work frame. Provisions on rear of panel for mounting indicator lamp, jewel included. Quantity limited.  
**XY22196—Shpg. wt. 60 lbs.**  
Your Cost, Special..... **\$7.95**



## FORD-MAJESTIC "B" Power Supply Model 40-18805B

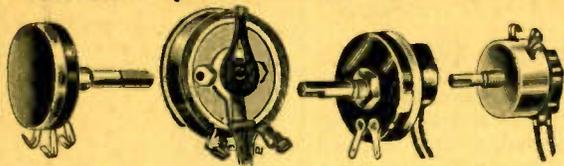
The genuine Majestic part. Built for use in Ford model 40-18805B receivers. Complete pack; contains transformer, vibrator, filter condensers and buffer condensers. Set uses 2-6E7's, 1-6A7S, 1-6C7, 1-6Y5 and 1-42. Entire unit plugs into six prong socket in chassis. Buffer condensers in separate metal container mounted on side of casing. All parts rubber cushion floated; will stand up under severe operating conditions. Quantity limited. Shpg. wt. 8 lbs.  
**XP15691—Your Cost, Special.....**



**\$3.95**

# Priced ~~50-0-0~~ LOW you will stock up

## General Replacement Volume Controls



Type A      Type B      Type C      Type D

For replacement in all types of receivers. Type A controls are standard; Type B controls have porcelain bases; Type C control is rheostat type; with power switch; Type D control is metal cased potentiometer with switch. **QUANTITIES LIMITED**

Stock No.	Type	Res. Ohms	Shaft Length	Your Cost Each
XF6786	A	50,000	3/8"	<b>25¢</b>
XF6787	A	150,000	3/8"	
XF6776	B	2,900	1 1/2"	
XF6779	B	2,750	1 1/2"	
XF6780	B	1,250	1 1/2"	
XH9056	C	10,000	1"	
XH9055	D	45,000	3/4"	

\* Has special slotted shaft.

## FINAL CLOSEOUT! Discontinued Types of

### ELECTRAD

Volume Controls

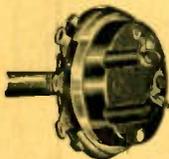
**ANY TYPE . . . 19c**

The listing below comprises a special offer of Electrad Volume Controls at prices far below the market. Units are of the famous RI series, which though discontinued, are known to give smooth and noiseless operation. All in factory cartons. Metal cases with 2" shafts. Taper indicated by letters following resistance as follows: **U**—Uniform Taper; **C**—"C" Bias; **P**—Audio Plate; **T**—Tone Control

Stock No.	Res. Ohms						
XG8267	20U	XG8272	400U	XG8276	2000U	XG8280	25000P
XG8268	30U	XG8273	600U	XG8277	3000U	XG8281	30000P
XG8269	50U	XG8274	800U	XG8278	4000U	XG8282	50000C
XG8270	100U	XG8275	1000U	XG8279	12000C	XG8283	1 Meg. T
XG8271	200U						

**Your Cost Each, Any Type . . . 19¢**

## SPECIAL "Ultra Compact" Volume Controls



with and without switch

A line of standard volume and tone controls which are exceptionally compact. Plain type extends only 1/4" behind panel; switch type only 3/8". Shaft 1/2 x 1/8"; bushing 3/8". Ideal for use where space saving is necessary. All potentiometer type. Letter indicates taper as follows;

- A—Antenna Shunt.
- C—"C" Bias.
- AC—Ant. Shunt and "C" Bias.
- S—Screen Voltage.
- T—Audio Grid or Tone Control.

Stock No.	Type	Res. Ohms	Tapered For
With Switch	Less		
XG8161	XG8172	1,000	A
XG8162	XG8173	2,000	AC
XG8163	XG8174	5,000	A
XG8164	XG8175	10,000	AC
XG8165	XG8176	25,000	AC
XG8166	XG8177	50,000	S
XG8167	XG8178	75,000	C
XG8168	XG8179	100,000	S
XG8169	XG8180	250,000	T
XG8170	XG8181	500,000	T
XG8171	XG8182	1 Meg.	T

Without Switch      With Switch  
**Your Cost . . . 27¢      Your Cost . . . 40¢**

## VICTOR Speaker

For Models R-32, RE-45 and RE-75

Improved type made by Magnavox especially for the above model sets. 3000 ohm field. Special cone of acoustic paper; flexible spider. Construction exceptionally rugged. Finished in black lacquer. Will improve tone and volume. Comes with special Victor plug. Shpg. wt. 12 lb. **\$3.90**



XW19391—**Your Cost, Special . . . \$3.90**

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



Single circuit toggle switch. Rated 10 amps. at 125 volts. For heavy duty work. Used on motors up to 1/2 H.P. **XM12813—Your Cost Each . . . 19¢**

Double Pole—Single Throw Same rating as the above. Makes and breaks two circuits. **XM12814—Your Cost . . . 23¢**

## ★ Genuine CRL Volume Controls ★



Only a fortunate purchase of a quantity of these genuine CRL volume controls allows us to offer them at a price far below the present market. Available only in the sizes shown in the listing below. These numbers will service a great majority of the receivers on the market at present. Will provide smooth, noiseless control. All have standard shafts milled flat on one side, and have 3/8" bushings. We urge you to order now to avoid disappointment.

Stock No.	Res. Ohms	Tapered For
XG8260	10,000	Antenna, "C" Bias
XG8261	25,000	Voltage Divider
XG8262	50,000	Voltage Divider
XG8263	100,000	Voltage Divider
XG8264	500,000	Audio Grid or Tone
XG8265	1,000,000	Audio Grid or Tone

**ANY SIZE 35¢ EACH**

## 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. This wire is used as standard equipment on many A. C.-D. C. receivers. 100 foot spools. Shpg. wt. 8 oz. **XR16167—Your Cost Each . . . 10¢ Per Dozen . . . \$1.00**



## MIDGET Short Jacks



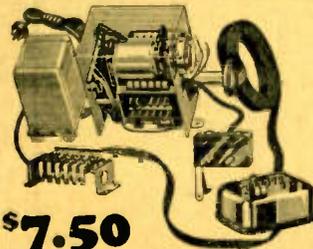
Bakelite insulation. 1/4" mtg. hole. **XF6548—Closed Circuit. XF6549—Open Circuit. Your Cost, Either Type . . . 14¢**

## 30 Henry-50 Ma. Filter Choke



Open frame type choke. Inductance 30 henries. Current carrying capacity 50 milliamperes. D.C. resistance 450 ohms. 6" leads. Size 2 1/2 x 1 3/4 x 2 1/4" high. Ideal for midget receivers. Shpg. wt. 3 lbs. **XA246—Your Cost . . . 34¢**

## Your Last Chance to Buy a Genuine RCA-VICTOR Remote Control



**\$7.50**

### Contact Points

Phosphor bronze contacts for remote assembly. Complete with screws and mounting plate. **XP15264—Your Cost Each . . . 5¢**

### Terminal Board

Twelve screw terminals on fibre plate mounted on metal feet. Complete with 2 feet of 12 wire cable. Has many practical uses other than with the remote control. Shpg. wt. 2 lbs. **XP15265—Your Cost Each . . . 29¢**

### Remote Control Box and Cable Only

Can be used as an additional remote control unit or as a replacement. Comes with 25 feet of special cable. Complete with log strip. Shpg. wt. 5 lbs. **XY19744—Your Cost, Special . . . \$1.95**

### Transformer and Capacitor Pack

For above Remote Control. Contains transformer, capacitor and tapped choke. Transformer primary 110 volts, 60 cycles A. C.; secondary 23 volts A. C. Shpg. wt. 6 lbs. **XE5530—Your Cost . . . 95¢**

Only a few left. This control automatically tunes your receiver to any desired station merely at the touch of a button on the remote control box. It will turn the set on or off, increase or decrease volume and pick out any one of six different stations quickly and easily. Engineered and built by the Westinghouse Co. Unit comes complete with control box and 25 feet of cable. Additional cable, up to 60 feet, may be added. Servicemen can realize a nice profit by selling and installing these RCA Remote Units. Packed in original factory cartons with full instructions. For sets with horizontal variable condensers. Shpg. wt. 20 lbs. **XY19425—Your Cost Each, Special . . . \$7.50**

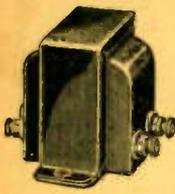


# Bargain

## QUANTITY LIMITED



### JEFFERSON Mike Transformer—2-Button



A transformer for double button microphone. Has a turn ratio of 1:45. Impedance ratio 1:2000. Has flat response curve from 30-7000 cycles.  $3\frac{1}{2} \times 2\frac{1}{2} \times 3\frac{1}{2}$ " Shpg. wt.  $2\frac{1}{2}$  lbs.

XC1929—Your Cost **\$1.19**

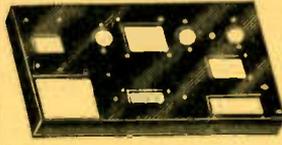
### NA-ALD Test Adapter

A five to five prong adapter with filament, cathode and control grid brought out to clips on top of socket. Useful for making quick voltage and current measurements.



XX11726—Your Cost **8¢**

## FINAL CLOSE-OUT OF THESE METAL CHASSIS



**Type A**—Illustrated. Heavy pressed steel painted green. Size  $16\frac{1}{2} \times 9 \times 1\frac{1}{8}$ ". Shpg. wt. 4 lbs.

XM12885—Your Cost **19¢**

**Type C**—Cadmium plated. Open sides. For 6 tube set. Has 18 cutouts and holes. Size  $10\frac{1}{2} \times 7\frac{1}{2} \times 2"$ . Shpg. wt. 4 lbs.

XM12869—Your Cost **34¢**

**Type F**—Cadmium plated, closed sides. For 9 tube set. 40 cutouts and holes for mounts. Size  $17\frac{1}{2} \times 10 \times 3\frac{1}{2}$ ". Shpg. wt. 6 lbs.

XM12863—Your Cost Each **39¢**

Are adaptable for many of the new circuits, using up to nine tubes. Layout ample for all parts used.

**Type D**—Cadmium plated. Open sides. For midget set. Size  $9 \times 4\frac{1}{2} \times 2"$ . Shpg. wt. 2 lbs.

XM12861—Your Cost Each **25¢**

**Type E**—Cadmium plated, closed sides. 28 cutouts. For 6 tube set. Size  $15 \times 7\frac{1}{2} \times 2\frac{1}{2}$ ". Shpg. wt. 4 lbs.

XM12862—Your Cost Each **29¢**

### ★ Large A. K. Audio Transformer



Genuine A. K. replacement Part No. 13276-14016. Used in Models 41, 43, 44, 45, 46, 47, 52, 53, 56 and 57. First stage audio. Can be used as a replacement in a great number of standard receivers. Sealed in metal can with long leads. Shpg. wt. 3 lbs.

XC2326—Your Cost Each **19¢**

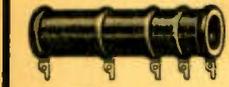
### Dial Pointer

Mounts on panel. Indicates dial settings. Of brass, with mounting screw and washers.



XP15263—Your Cost Each **1¢**  
12 For **9c**

## Bargain Closeout On REPLACEMENT VOLTAGE DIVIDERS

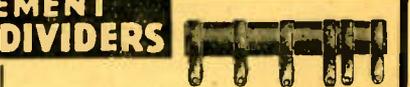


### Manufacturer's Type

Although originally designed for use in standard receivers made by famous manufacturers, these units may be used for general replacement parts. All conservatively rated. Priced for immediate clearance.

Quantities limited. Your Cost Each **19¢**

Stock No.	Total Resis. Watts	Taps
XX20444	8195 75	1690-205-2140-3750-410
XX20445	3940 75	1600-1900-440
XX20446	1290 40	400-350-350-190
XX20513	465 50	375-90
XX20540	7120 75	840-60-220-3000-3000
XX20561	26000 75	17400-8600



Stock No.	Total Resis. Watts	Taps
XX20562	6000 75	4200-380-1420
XX20564	2580 75	500-0-1460-540-0-80
XX20565	2080 85	1460-540-0-80
XX20566	7780 75	1280-4000-300-2200
XX20567	2940 75	1500-1000-130-60
XX20705	4920 50	4920

### Special Bargain Band Switch



Ideal for use in multi-band receivers. Triple pole, double throw. Silver plated contacts, self cleaning rotor. Double shielded to provide high efficiency. This type of multi-band switch is of the shorting type. Mounts in a single  $\frac{3}{8}$ " panel hole. Has a  $\frac{3}{8}$ " shaft with flange knob. Only a few left. At this price it will pay you to stock several. Shpg. wt. 1 lb.

XM12999—Your Cost Each **39¢**

### Output Transformer



RCA Part No. 5899. Used in the 106 A. C. speaker and in the 41 A. C. and D. C. sets. Used to match a single 71A, 45 or 50 tube to a 5-15 ohm voice coil. Also contains two 1 mfd. condensers. Shpg. wt. 3 lbs.

XC2500—Your Cost **39¢**

### Extension Cords

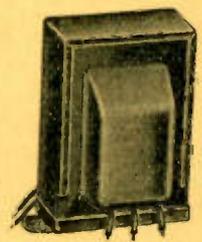


Five foot lengths of flexible cord that will not break. Two types: one with silk overbraid, one with cotton overbraid. Can also be used as speaker extension cords. Have eye lugs at one end and phone tips at the other. Only a limited quantity available. Order now.

XX13941—Cotton Covered **9¢**  
Your Cost Each

XX13942—Silk Covered **12¢**  
Your Cost Each

### PACENT Oversized P. P. Input Transformer



Constructed with extra heavy duty core of high permeability metal. Its use will invariably improve reception. Overall ratio 2.5 to 1. Fully shielded in black lacquered metal case and provided with insulated leads. Size  $3\frac{3}{4} \times 2\frac{1}{2} \times 2\frac{1}{2}$ ". Shpg. wt. 4 lbs.

XC1807—Your Cost Each **89¢**

## a Price Scoop! ELECTRAD Truvolt Resistors

Units listed below represent a closeout on discontinued types of Truvolt resistors. No fibre protecting sleeve. All brand new and guaranteed. Quantities in all cases extremely limited.

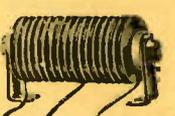
Type B—25 Watts			
2" Long			
Mfg's No.	Resistance in Ohms	Current in Milli-amperes	Your Cost Each
B-3	300	289	<b>19¢</b>
B-8.5	850	169	
B-22.5	2250	108	
B-35	3500	84	
B-45	4500	75	
B-70	7000	60	
B-72	7200	59	
B-75	7500	58	
B-90	9000	53	
Weight 1 unit in carton, 1 oz. Weight 12 units, 13 ozs. Extra Sliders for any type resistors listed.			
Your Cost Each			<b>5¢</b>
Per Dozen <b>50c</b>			

Type C—50 Watts			
4" Long			
Mfg's No.	Resistance in Ohms	Current in Milli-amperes	Your Cost Each
C-1	100	700	<b>33¢</b>
C-3	300	406	
C-15	1500	182	
C-20	2000	158	
C-22.5	2250	151	
C-50	5000	100	<b>36¢</b>
C-70	7000	84	
C-72	7200	83	
C-75	7500	82	
C-80	8000	79	
C-90	9000	74	<b>48¢</b>
C-200	20000	50	
C-250	25000	45	
C-300	30000	41	
C-400	40000	35	
C-500	50000	32	
C-600	60000	29	
C-800	80000	25	
Shpg. wt. 1 unit, 8 ozs.			

Type D—75 Watts			
6" Long			
Mfg's No.	Resistance in Ohms	Current in Milli-amperes	Your Cost Each
D-3	300	500	<b>36¢</b>
D-4	400	432	
D-5	500	387	
D-7.5	750	316	
D-8	800	306	
D-12.5	1250	245	
D-15	1500	224	
D-35	3500	143	
D-40	4000	137	
D-45	4500	129	
D-75	7500	100	<b>42¢</b>
D-80	8000	97	
D-90	9000	89	
D-120	12000	79	<b>53¢</b>
D-300	30000	50	
D-400	40000	43	
D-600	60000	35	
D-800	80000	31	
Shpg. wt. per unit, 8 ozs.			

### RCA Rectifiers

Genuine RCA Part No. 5878 for use with the 106 A. C. speaker. Delivers 95 volts at 55 mils. Quantity limited. Shpg. wt. 4 lbs.



XC19206—Your Cost **\$2.30**

Per Pair **\$4.50**

### S. H. Air Gap Arrester

All bakelite, air gap type. Especially suitable for doublet type antennas, because it does not ground the aerial through a high resistance.



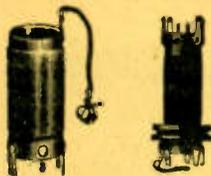
XR16756—Your Cost Each **19¢**

# BARGAINS

QUANTITY LIMITED

LOW PRICES

## CROSLLEY Coils



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

Your choice of any of the following coils. Each 5¢

- Shpg. wt., any coil, 1 lb.
- Models 20, 21 and 22
- XC1855—R. F. Coil No. 6435.
- Models 53, 54, 57, 77 and 91
- XC1862—Antenna Coil No. 20444.
- Models 602, 704, 704A, 704B
- XC1860—R. F. Coil No. 4365.

## Tip Jack

Tip Jack with positive single conductor contact, is used for test panels, instruments, battery leads, and in sets for aerial and ground, battery and speaker connections, etc. Hole 3/4". Easy and convenient to mount.

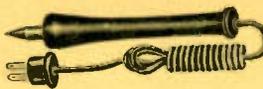


XF6444—Your Cost 9¢

## MAGIC Embossing & Engraving Pencils

Engraving Pencil will burn lettering designs, etc., in wood, leather, rubber, and like materials. Easily used. Heat adjusts itself. Absolutely no danger. Embossing Pencil will emboss lettering, etc., in beautiful colors: gold, silver, blue, green, purple, copper on leather cloth, silk, paper, wood celluloid, bakelite, etc. Very simple to use.

- XP15158—Engraving Pencil for 110 volt. Shpg. wt. 2 lbs. \$1.15 Your Cost
- XP15157—Embossing Pencil with Foil. Shpg. wt. 2 lbs. 83¢ Your Cost



## G.M. Wall Type Set Coupler



For coupling any type receiver to a twisted pair transmission line. May be used with or without the antenna coupler listed above, but better results will be obtained when both are used. More than one antenna coupler may be used on a single aerial if desired so that several sets can be operated at a time. When properly installed, at the same time that all the other electrical wiring is done, this unit becomes a permanent part of the antenna installation.

Shpg. wt. 1 lb. XQ16178—Your Cost 65¢

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



For use with twisted pair transmission lines. Matches antenna to line impedances. Permits use of more than one receiver on a single antenna. To be used with antenna coupler listed at left. Equipped with bracket for mounting to mast. When installed properly, these units will eliminate from 60% to 90% of the objectionable local interference. Mount directly on antenna mast. Come complete with all necessary hardware and full instructions. Only a limited quantity. Shpg. wt. 2 lbs.

XQ16177—Your Cost, Special 95¢

## YAXLEY Relays

Series type to be used in series with feed line of some instrument in order to turn on an auxiliary circuit. Will close with a current as small as 60 M. A. but will carry up to 2 1/2 amperes making it suitable for turning on "B" supplies when used in series with auto receivers. Only a limited quantity left in stock. To avoid disappointment, place your orders now. Shpg. wt. 3 lbs.



XF6418—Series Type Your Cost, Special 69¢

## H. and H. Two-Circuit Rotary Switch



A heavy duty switch that has many uses. Ideal where high amperage is used. First snap makes one circuit, second snap makes second circuit and third snap is the off position. Diameter of base 3 1/4". Rated 20 amps., 250 volts. Shpg. wt. 2 lbs.

XM12820—Your Cost, Special 29¢

# VALUES to interest the SERVICEMAN

## Detector and Oscillator Coil



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

XH10131—Your Cost Each 29¢

## VICTOR R. F. Coil

For Models: R32, RE45, R52, RE75, RE54, RE56  
The original Victor R. F. Coil, Part No. 10448, used in the above model receivers. For 1st, 3rd and 4th R. F. stages. Wound on a bakelite tube 2 3/4" long, 1 1/2" in diameter. Shpg. wt. 1 lb.



XH10054—Your Cost 12¢

## RCA Magnetic Speaker Coils

Part No. 1966. Used in models 30A, 50, 51 and in centralized radio speaker. Also for 100A, 100B and 103.

1 1/4" diam., 1/4" thick, 1/4" hole. XW19212—Your Cost Each 19¢

## VICTOR Speaker Plug

Used on the Victor speaker, for Set Models R-32, RE-45, R-62, RE-75. Heavy plated contact prongs, molded in genuine bakelite. Equipped with a metal guard. Shpg. wt. 8 ozs.



XW19223—Your Cost 8¢

## Preselector Coil



Consists of three windings on one bakelite tube. Has antenna primary and two loosely coupled secondaries. Used on Radiola Models 80, 82, 86 and the corresponding General Electric, Westinghouse and Graybar Models.

Shpg. wt. 2 lbs. XH10130—Your Cost 19¢

## RCA Intermediates

Radiolas 60, 62, 64 and 66

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



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

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

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

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

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

## VICTOR R. F. Coils



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

XH10107—Part No. 10817 Your Cost Each 19¢  
XH10109—Part No. 10830 Your Cost Each 23¢

## VICTOR Female Receptacle



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

XW19222—Your Cost 39¢

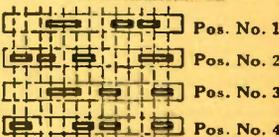
## Trimmer Condenser



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

can be used for practically any purpose that condensers of this type are commonly used for. Has high quality ceramic insulation and finest grade ruby mica dielectric. Shpg. wt. 1 lb. XH8523—Your Cost, Special 14¢

## 13 Contact Switch Rotary Type



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

XM12856—Your Cost 39¢

## VICTOR Antenna Choke

Models R32, RE45, R52, RE75 Replacement Part No. 10444, for the above models. Consists of 150 turns of No. 34 wire, wound on a wooden spool.

XH10122—Your Cost Each 6¢

## RADIOLA Speaker Filter

RCA Part No. 5853 designed to emphasize the high notes in Model 100B and 103 speakers.

XW19454—Your Cost 20¢

# Last Minute SPECIALS

## Your Invention

By E. B. Lyford



An up to date book on patents, trademarks and copyrights that takes all the mystery away from these subjects. No legal technicalities; just plain facts written in everyday language. Explains every step necessary to protect your ideas, how to select a patent attorney, patent law, foreign patents, and other features down to the final stage of merchandising the equipment. Handsomely bound in rich gold lettered cloth. Shpg. wt. 1 lb.

**XY22147—Your Cost . . . . . \$1.00**

## THORDARSON Manual



Just the thing for the serviceman or sound technician. Contains three individual sections dealing with: Sound Amplifiers, Transmitters, Service Problems. Chock full of diagrams, service hints, parts lists, etc. Tells how to build all kinds of test instruments. Transmitting section includes schematic diagrams and parts lists for transmitters from 20 to 1000 Watts both CW and phone. A valuable book for the "ham." Book 8 1/2 x 11". Loose leaf type binding.

**XY22146—Your Cost . . . . . 30¢**

## Pocket "Gadget"

By Ghirardi and Freed. Consists of a series of 6 cards eyeleted at one corner and indexed at the edges. Tell at a glance the sources causing 275 different "troubles" in radio receivers. Will save you hours of time and bother. Includes hum, fading, noise, weak signals, distortion, etc.

**XY22145—Your Cost . . . . . 25¢**

## New UTC Varitone



A revolutionary audio device which permits full control of audio response. Enables tone correction or emphasis of high or low notes or both. Makes phono and radio reception more pleasant and more life-like. Type VT-1 and VT-2 used in conjunction with a 50,000 ohm potentiometer. Technical details, including all possible tone variations (curves) sent on request. Shpg. wt. each 2 lbs.

**Type VT-1:** Designed to work from a single plate or low impedance line or mike to one or two grids. List \$8.50

**XE5531—Your Cost . . . . . \$5.10**

**Type VT-2:** For insertion across a 200 or 500 ohm line or across a 5000 to 20,000 ohm plate. List \$6.00

**XE5532—Your Cost . . . . . \$3.60**

**Type VT-3:** Connects directly from plate to B plus of first audio triode. No external control used. List \$5.00

**XE5533—Your Cost . . . . . \$3.00**

## Short Wave Station Finder

Make short wave tuning easy. They produce an audio frequency note which is entirely independent of the I.F. used in the receiver. Operates using a single tube which derives its power from the receiver. Unit produces a clear 450 cycle note which is almost inaudible until a station is tuned-in, when it becomes very loud. Switch with 18" leads furnished. No changes in receiver wiring necessary. Uses a 27 or 56 when set uses 2.5 volt tubes and a 37 when set uses 6 volt tubes. Full instructions included. Size 3x3x5". Shpg. wt. 3 lbs.



**XN14143—Station Finder, less Tube. Your Cost . . . . . \$4.50**

## 350 Watt Gas Engine Driven Generator

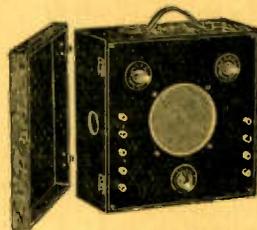


Ideal for use with P. A. systems, "ham" stations, electrical appliances, for lighting systems, etc. Engine is a four cycle motor which develops 3/4 H. P. and which runs 2 1/2 hours on one quart of gas. Air cooled engine has built-in magneto, full lift carburetor, mechanical governor and foot pedal starter.

The pioneer generator delivers 110 to 120 volts 60 cycles A. C. at 350 watts. Also delivers 6 volts D. C. at 3 to 5 amps. for charging storage batteries. Generator coupled to engine by V-pulleys and belt. Entire assembly mounted on steel frame 12x26". Comes complete, ready to operate. Shpg. wt. 98 lbs.

**XY19899—350 Watt Gas Driven Generator. Your Cost . . . . . \$79.95**

## Universal Speaker Tester



Designed for use in conjunction with all types of speaker tests. Three analyzer type control knobs provide the following: voice coil impedances from 1 to 15 ohms in eight steps; output impedances to match any existing types of output tubes to voice coil; field resistances of 650, 1000, 1500, 2000, 2500, 3000, 5000, 10,000 ohms. Jack top posts for all connections. The speaker will handle 5 watts continuously. In leatherette portable carrying case with removable front. Size 12x12x6". Shpg. wt. 10 lbs.

**XW19388—Your Cost . . . . . \$13.25**

## NATIONAL Coil Dope



For use as a cement for holding windings in position. Does not affect low loss features of coil form. Provides a tough protective film. In can. Shpg. wt. 1 lb.

**XP15237—Your Cost Each . . . . . 90¢**

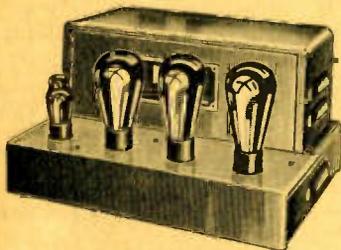
## Special BH Type Rectifier Tube

This type of tube has been used in practically every popular make of eliminator on the market.

**XZ21910—Your Cost . . . . . 92¢**



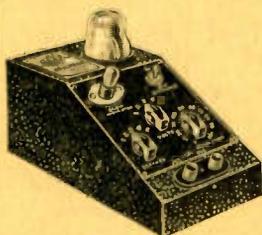
## THORDARSON "250" Amplifier



Only a few left. For use in small P. A. systems, with tuners, etc. Uses 1-27, 1-50 and 2-81's in a circuit affording 4.2 watts of power output. Provision is made in the amplifier to provide field excitation for any 2500 ohm D. C. speaker. All connections brought out to terminal board mounted over power transformer. Voltage taps at 160, 135, 112, 90, 67 and 45 volts for all "B" voltages. Housed in pressed steel chassis. All parts oversized. Includes safety switch. Furnished with 4 and 5 prong adapters for easy connection to detector circuit of tuner. Full instructions included. Shpg. wt. 26 lbs.

**Amplifier, less tubes. XP15750—Your Cost . . . . . \$6.95**

## TOBE Condenser Analyzer

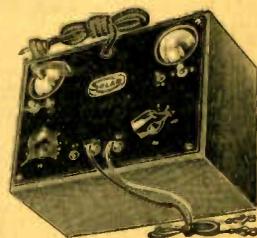


Tests paper, mica, oil dielectric and all electrolytic condensers. Checks by means of D. C. resistance method under an applied voltage. Resultant minute leakage current indicated by means of special Neon Glow Tube Indicator. Three controls adjust circuit for the allowable electrical characteristics of the condenser under test. Checks opens, shorts, leakages and intermittent condensers. Built-in power supply, for operation on 110 volts, 60 cycles A. C., Voltages up to 700 volts available at terminals. An '01A is used for a rectifier. In metal case 3 3/4 x 4 1/2 x 7 1/2". Finished in durable black lacquer. All binding posts, switches, etc. clearly marked on panel. Shpg. wt. 8 lbs.

**XJ10465—Tobe Condenser Analyzer, with Neon Tube but less '01A. Your Cost . . . . . \$11.40**

## SOLAR Condenser Analyzer

A combined capacity and leakage tester that is highly efficient in checking all types of paper, electrolytic, oil or mica dielectric capacitors. Consists of two instruments in one housing. The capacity test is made on a Wien Bridge with two ranges. Capacities from .005 to 60 mfd. may be checked; proper range selected by means of switch on front panel. The circuit for this test uses a unique type of detector arrangement consisting of a '68 tube and a sensitive Neon lamp. Leakage tests consists of a D. C. power supply, a special Neon lamp and a type 80 rectifier. A switch is provided with voltage settings covering practically all condenser requirements. Complete instructions furnished. For use on 110 volts, 60 cycles A. C. Shpg. wt. 10 lbs.



**XJ10462—Solar Capacity Analyzer with Neon Lamps, less tubes. Your Cost . . . . . \$16.46**

**Kit of Tubes for above. 1-58, 1-80 Your Cost . . . . . 87¢**

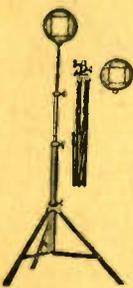
# Last Minute SPECIALS

## Console Radio Cabinet With Doors



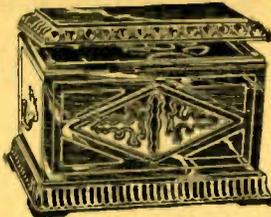
The ideal piece of radio furniture to house the radio you now own or intend to purchase. A strikingly beautiful cabinet that will prove a welcome addition to any set of furniture. Constructed of two toned walnut with dull rubbed finish. Carved moldings on front relieve the straight line effect. Two French type doors open on hinges. Will take large radio receivers and speakers. Limited quantity makes it imperative that you order now. Cabinet stands 39 1/2" high, 23" wide and 14 1/2" deep. Comes with front panel, undrilled. Shpg. wt. 75 lbs. XY22197  
Your Cost, Special **\$4.95**

## Collapsible Floor Stand For Microphones



Light, compact, adjustable floor stand that can easily be carried from place to place. Triple tube assembly made of brass, chromium plated. Extension range 36 to 78". Furnished with 6-inch microphone ring to take full sized microphone. Springs included with stand. Shpg. wt. 6 lbs. List \$12.50

XYN13551—Your Cost **\$7.35**



Your Cost .....

## Treasure Chest Cabinet

Built of fine quality walnut veneer with rubbed finish. Carved front, top and sides. Panel drilled for all receiver controls (dial, volume control and selector). Has opening for grille cloth. Size 13 3/4"x8 3/4"x10 3/4". Lid closed. Inside dimensions 12x7 1/4"x7 1/4". Shpg. wt. 16 lbs. **\$1.49** XY19968—

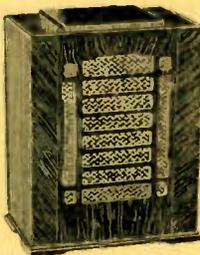
## ★ Genuine MAJESTIC Tubes at Tremendous Savings ★ QUANTITIES LIMITED



These genuine Majestic tubes are being offered at a price far below the standard. All are brand new, in factory cartons, and are guaranteed for a period of 90 days (burnouts and broken glass excepted). Order enough to fill your requirements before our limited supply is gone.

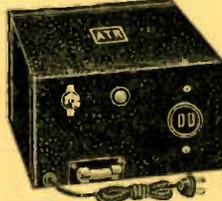
Type	Type	Type	Type	Any Type
4S	6D7S	35S	58S	<b>59¢</b> Each
2A6S	6E7	55S	85S	
6B7	6Z5	57AS		

## Speaker Cabinet For Speakers up to 12"



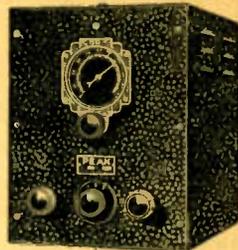
A beautiful cabinet of grained hardwoods blended in a modernistic finished design. Front of two-toned maple veneer and walnut veneer; sides of straight grained walnut veneer. Top has overlay of black ebony finished wood. Opening for speaker covered by a dull gold cloth. Provided with felt pads. Will take chassis up to 12". Baffle has 10" diameter hole. Size 17x13x8 1/4". Shpg. wt. 20 lbs. XY19967—**\$3.75**  
Your Cost .....

## ATR Inverter 110 Volts D. C. to A. C. 200 Watts



A simple, inexpensive device for producing 110 volts, 60 cycles A. C. from a 110 volt D. C. source. Conservatively rated at 200 watts. No rotating parts, no oiling or greasing necessary. Only moving element is the plug-in type vibrator. Unit fused for protection. Has control knob to vary output. Completely enclosed in metal housing. Furnished with 6 foot cord and plug for input. Has receptacle for output connections. Size 8x7 1/4"x3 3/4". Shpg. wt. 15 lbs. List \$18.50 XY17216—**\$10.88**  
Your Cost .....

## Peak Preselector



An efficient "signal booster". Uses two 58 tubes in a high gain circuit which increases the signal input to any short wave receiver. Improvements afforded by this unit include: increase in signal gain; increase in sensitivity and selectivity; absolute rejection of image or repeat spots; reduction of noise to signal ratio. Covers the range from 14 to 200 meters. Airplane type dial with reduction drive. Built-in coils. Only two wires to connect; incorporates its own filament supply. In metal case 7 1/4"x9 1/4"x10". Shpg. wt. 15 lbs. XN13760—Peak Preselector, less tubes. **\$19.80**  
Your Cost .....

## General Utility Steel Cabinets



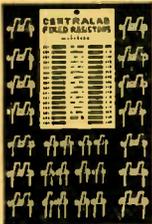
Prepared especially for use with transmitting units, input stages, mixers, etc. Constructed of steel, finished in black crystallized lacquer. Have spot welded corners. Top fits snugly and is held in place by self-tapping screws which are furnished with each unit. Create a professional looking finished job. Available in four standard sizes to fit almost every requirement.

Stock No.	Dimen.	Shpg. Wt.	Your Cost
XY22174	5 1/2"x6"x5 1/2"	3 lbs.	50.59
XY22175	5x9"x6"	5 lbs.	.99
XY22176	8x10"x10"	7 lbs.	1.39
XY22177	11x12"x8"	9 lbs.	1.69

### NOTE

A special Amateur Equipment Catalog will be mailed FREE to all requesting it.

## Centralab RESISTORS



CRL resistors cannot fail under any load that does not melt the wire leads from the ends. They are more rugged than the ordinary types, and give permanently satisfactory results. Have 1 1/2" wire leads.

### Handy Resistor Rack

A useful accessory that shows at a glance your resistor inventory. You cannot be "out of stock" when you have this quick inventory device. Comes complete with forty of the most popular resistor sizes, twenty 1 watt resistors and twenty 1/4 watt resistors. Shpg. wt. 3 lbs. XD3308—Complete Rack with 40 Assorted

resistors.		resistors.		resistors.		resistors.	
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
200	2500	10000	30000	150000	2 Meg.		
500	3000	15000	50000	250000	5 Meg.		
1000	5000	20000	75000	600000			
2000	8000	25000	100000	1 Meg.			

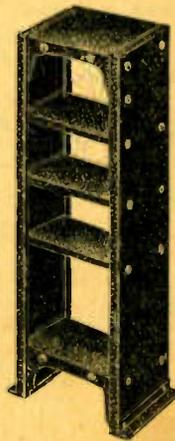
1 Watt **\$3.43** 1/4 Watt

Type 314—Size 1x1/4" **10¢** Type 310—Size 3/8x1/8" **8¢**  
XE5276—Each XE5298—Each

Free R. M. A. Color Code Chart with Every Resistor Purchase

## SPECIAL Sectional P.A. Rack For Public Address Use or for "Ham" Stations

Designed expressly for permanent installations of Public Address Systems or "ham" stations. These racks will improve the appearance of any existing installation by affording a professional overall appearance. Entire assembly constructed of steel with black crystalline lacquer finish. Its flexible mounting requirements make it adaptable to almost any apparatus. Comes furnished with three shelves, besides the bottom shelf. Rack stands 5 feet high, 19 1/4" wide and 12 3/4" deep. Channel type of construction allows hiding of all unsightly inter-unit wiring. All corners re-enforced with steel braces. Shipped in knock-down form, with all necessary nuts, bolts and washers. Can be assembled with ease in a short time. Shpg. wt. 60 lbs. XY22152—Complete P. A. Rack **\$9.50**  
Your Cost, Special .....



Additional steel shelves to fit the above rack. Shpg. wt. 7 lbs. XY22159—**90¢**  
Your Cost Each .....

Mail Your Orders to NEW YORK or ATLANTA



# RCA-Victor Co.

## Authorized Distributors

### RCA-VICTOR I. F.

#### Transformers



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

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

For RE-20, R-50, R-55, RAE-59 and RAE-79

First I. F. No. 7281 **\$1.20**  
XC2583—Your Cost.  
Second I. F. No. 7282 **\$1.44**  
XC2584—Your Cost.  
Third I. F. No. 7283 **\$1.95**  
XC2585—Your Cost.

For Models R-4, R-6, R-7, 7A, 7 D. C., R-9, R-9 D. C., R-10 D. C., RE-16A

First I. F. No. 2991 **\$1.22**  
XC2586—Your Cost.  
Second I. F. No. 2992 **\$1.32**  
XC2587—Your Cost.

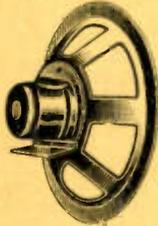
For R-11, RE-18, RE-18A, R-21 and RAE-26

First I. F. No. 7266 **\$1.32**  
XC2588—Your Cost.  
Second I. F. No. 7267 **\$1.20**  
XC2589—Your Cost.

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

### Field Coil Assemblies

These assemblies consist of the field coil, magnet and cone support. In all late model receivers, it is necessary to replace the entire assembly.



For Model R-22. Part No. 7606.  
XC2565—Your Cost..... **\$1.24**

For Models R-28P, R-37, R-38  
Part No. 8988.  
XC2566—Your Cost. **\$1.41**

For Model RE-40P  
RCA No. 9003.  
XC2567—Your Cost. **\$1.41**

For Model 331  
Part No. 9434.  
XC2568—Your Cost. **\$2.80**

### Drive Clutch Assembly



The complete turning condenser drive clutch assembly built in the following RCA-Victor receivers: 118, 211, 128, 224, 322, 135B, 235B, 143, 242, 262, 281 and 381. Comprises drive shaft, bearings, ring, spool, spring and washers completely assembled. Simple to install. Part No. 4422. Shpg. wt. 1 lb. XP15263—List \$1.00

Your Cost Each..... **60¢**



### VICTOR Test Oscillator

#### Type TM V-97B



A compactly constructed, self-contained R. F. oscillator designed for service work in conjunction with all types of radio receivers. Covers an extremely wide frequency range from 90 K. C. to 25,000 K. C. (3300 to 12 meters). This range is covered in eight steps, a range switch being provided to select the bands. The dial scale is calibrated directly in frequency and accurate to within plus or minus 3%. Employs two '80 tubes, and requires one 22½-volt "B" battery and one 4½-volt "C" battery. Attenuator, mounted on front panel, is efficient over the entire range. Variable Vernier dial is adjustable from 6:1 to 20:1 ratio. Enclosed in black wrinkle finish aluminum case provided with handle. Size 8½x9¾x4¾". Shpg. wt. 3½ lbs., less batteries. XJ10596—Test Oscillator, with tubes, less batteries **\$22.50**

**NOTE:** The RCA-Victor Company will shortly announce a newly designed oscillator having provisions for use with the new Oscillograph. A kit of parts necessary to convert the model TMV-97-B for this use also will be available at that time. Prices and information will be furnished on request.

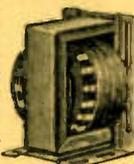
### RCA M-34 Power Transformer



The Genuine RCA Part No. 9430 for the M-34 autaset. Delivers the necessary high voltages for the receiver. Takes only a few minutes to install. Has color coded leads. Shpg. wt. 3 lbs.

XC2013—List \$3.60 **\$2.16**  
Your Cost.....

### New RCA Universal Output Transformer



A single transformer for matching all existing types of output tubes, either single or P. P., to all dynamic speakers. Covers voice coil impedances from 1 ohm to 15 ohms. Primary load impedances 1000 to 20,000 ohms. High fidelity response characteristics make this unit especially attractive; frequency range from 30 to 10,000 c.p.s. Maximum working voltage potential 500 volts. Angle brackets with slots allow mounting in any position. Has tinned solder lug terminals. Baked varnish impregnation. Size 2¾x2¾x2". Shpg. wt. 3 lbs. Part No. 7852. XE5536—Your Cost Each.... **\$1.17**

Similar to the above, but fully shielded in cadmium plated metal case. Bakelite terminal board with lug terminals. Vacuum impregnated to allow use in tropical climate. Size 2¾x2¾x3". Part No. 7853. Shpg. wt. 3 lbs. **\$1.45**  
XE5537—Your Cost.

### M-34 Filter Block



Genuine RCA Part No. 7600. Contains one reactor, one choke coil, one .5 mfd., two 4.0 mfd. and one 375 mmfd. capacitors. In metal container with crimping lugs. Color coded leads. Ready to install. Shpg. wt. 3 lbs.

XB1024—List \$4.06 **\$2.44**  
Your Cost.....

### Orthophonic Sound Box



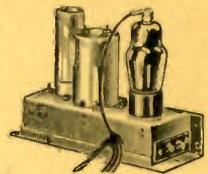
The finest unit of its kind. Will improve the tone and volume of any Victrola now in use. Has a ribbed aluminum diaphragm that provides a more extensive frequency response than the old types. Universal fitting; replaces units on all Victrolas with the exception of the model 2-35 which requires a special adapter. Genuine RCA Part No. 6927, dull bronze finish. Shpg. wt. 1 lb. XA350—Your Cost..... **\$2.70**

### Capacitor Pack



Models R-8, R-10, R-12 and RE-19  
Genuine Part No. 7342 for the above model receivers. Shpg. wt. 3 lbs. XB534—Your Cost. **\$4.05**

### Phonograph Oscillator



This unit, the model RK-24 is a small broadcast band oscillator. Although designed primarily for use with the RCA Midget Record Player model R-93, it may be used with any standard receiver. It helps make additional profits for the serviceman through the sale of additional equipment and, at the same time, solves one of the most difficult problems in phonograph modernization work. All necessary leads are brought out from the oscillator—no chassis wiring changes are necessary. One tube is used; a 2A7 with sets using 2.5 volt tubes; a 6A7 with sets using 6.3 volt tubes. All parts mounted on a cadmium plated metal chassis. Shpg. wt. 6 lbs.

XK10599—RK-24 Phonograph Oscillator, less tube **\$4.65**  
Your Cost.....

### RCA-VICTOR Dial Drive Assembly



RCA Part No. 2999. Used in models R-7A, R-9, R-43, R-10, R-11, R-8, RE-18, RE-26, RE-16A, R-4 and R-6. Comes complete with friction rubber, screws and lockwashers.

XH9744—Your Cost Each..... **24¢**

### Knurled Nut Wrench



A quality tool designed for tightening or removing knurled nuts such as those used on toggle switches. Prevents marring of cabinet. Will fit nuts from ⅜" to ½". Overall length 8½". Part No. 10982. Shpg. wt. 1 lb.

XP15267—Your Cost Each.... **\$1.20**

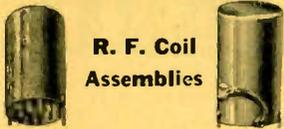
### RCA-VICTOR Cabinet Refinishing Kit



Contains all the necessary equipment for repairing scratched, dented, or otherwise marred furniture. All items packed in a durable leatherette case measuring 9½x4½x2¼". Contains the following: 1 can Refco Oil for cleaning; 1 can of Valvoline for rubbing; 1 assortment of sandpaper; 1 assortment of stick shellac; 2 packages of Aniline Stain powders; 1 touch-up brush; 1 spatula; 1 rubbing block; 1 instruction sheet. Shpg. wt. 5 lbs. XP15238—Your Cost..... **\$2.90**

**NOTE:** As authorized distributors for the RCA-Victor Company, we can supply any genuine RCA Factory Replacement Part at a discount of 40% from the list price. Write us your requirements, and allow us to serve you speedily, efficiently and at the lowest prices. A further listing of Genuine RCA-Victor parts will be found on pages 46 and 47 in Catalog No. 56.

# GENUINE Brunswick REPLACEMENT Parts



## R. F. Coil Assemblies

All furnished complete with shield cans, grid leads and grid caps. Shpg. wt. 1 lb.

Stock No.	Part No.	Models	Your Cost
BR127	X-622	14, 21, 31	\$0.90
BR125	X-739	S14, S-21 and S-31	.90
BR151	3016	15, 22, 32 and 42	.95
BR134	6043	11, 12, 16 and 33	.95
BR131	6053	17, 24, 25	.95

## Antenna Coils

BR135	3017	15, 22, 32 and 42	.90
BR129	6042	11, 12, 16 and 33	1.10
BR156	6052	17, 24, 25	1.10

## Dial Scale For S-14, S-21 and S-31;

### Bremer Tully S-81, S-82

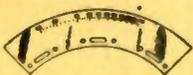
The original replacement dial scale Part No. X-613 for the above model sets. Easy to install.



BR2013—Your Cost ..... **85¢**

## Dial Scale for

11, 12, 16, 33, 17, 24, 25



Celluloid scale, black numerals. Part No. 6046. To replace defective scale, break rivets out of drum casting and fasten new scale with machine screws.

BR410—Your Cost Each **22¢**

## Low Impedance

### Pick-up Coil

Part No. P-152. Used in model S-31. Impedance 20 ohms. Can be used as a general replacement. Coil wax impregnated and moisture proof; leads have rubber insulating sleeves.

BR405—Your Cost Each ..... **22¢**

## Solenoid Coil for Model 42

Genuine part No. 4867. Controls the operation of the automatic record changer by actuating the starting lever. Shpg. wt. 1 lb.

BR166—Your Cost Each ..... **\$1.50**

## Governor Ball and Spring Assemblies

Used in types F, K, and No. 3 motors. Early model combinations. Can be used as a general replacement.

BR2124—Your Cost Each ..... **9¢**

## Power Transformers



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

Original Part No. X-755. Shpg. wt. 2 lbs.

BR113—Your Cost **\$3.75**

Models 15, 22, 32 and 42

Genuine Replacement Part No. 3015. Shpg. wt. 10 lbs.

BR119—Your Cost ..... **\$2.75**

Similar to the above, but for 25 cycle. Part No. 3030. Shpg. wt. 16 lbs.

BR120—Your Cost **\$4.25**

Models 11, 12, 16 and 33

Original replacement Part No. 6070. Shpg. wt. 6 lbs.

BR122—Your Cost ..... **\$3.45**

Models 17, 24 and 25

Genuine Part No. 6068. Shpg. wt. 8 lbs.

BR121—Your Cost **\$3.65**

## Audio Transformers Input Transformers



Models P-3, P-10, P-11, P-13

Genuine Part No. P-188. Shpg. wt. 2 lbs.

BR180—Your Cost **\$1.35**

Models S-14, S-21 and S-31;

Bremer Tully S-81 and S-82

Genuine Part No. X-656. Shpg. wt. 3 lbs.

BR183—Your Cost **\$2.25**

For Brunswick Panatropes 31

Genuine Part No. X-682. Shpg. wt. 3 lbs.

BR187—Your Cost **\$1.75**

## Output Transformers

Models S-14, S-21 and S-31;

Bremer Tully S-81 and S-82

Genuine Part No. X-658. Shpg. wt. 3 lbs.

BR202—Your Cost **\$1.75**

Models 15, 22, 32 and 42

Genuine Part No. 3054. Shpg. wt. 3 lbs.

BR203—Your Cost **\$1.95**

Models 11, 12, 16 and 33

Genuine Part No. 6083. Coil only. Shpg. wt. 1 lb.

BR185—Your Cost ..... **75¢**

## Phono-Input Transformer Model S-31

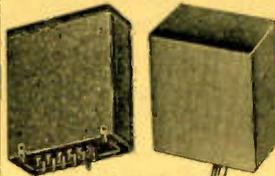
### Panatropes

Part No. X-769 for the above Panatropes model. Used to match the impedance of a 200 ohm pick-up to grid of a type 27 tube. Fully shielded, with terminal board. Shpg. wt. 4 lbs.

BR188—Your Cost Each ..... **\$1.75**



## Condenser Blocks



Models S-14, S-21, S-31; Bremer Tully S-81, S-82

Genuine Part No. X-756. Shpg. wt. 3 lbs.

BR262—Your Cost **\$1.25**

Models 15, 22, 32 and 42

Genuine Part No. 3029. Shpg. wt. 4 lbs.

BR265—Your Cost **\$2.25**

Models 11, 12, 16 and 33

Genuine Part No. 6023. Shpg. wt. 2 lbs.

BR274—Your Cost **\$1.95**

Models 17, 24 and 25

Genuine Part No. 6022. Shpg. wt. 2 lbs.

BR276—Your Cost **\$1.95**

## Electrolytics

Models 11, 12, 16 and 33

Part No. 928. 7 Mfd. **95¢**

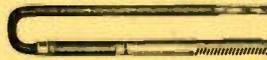
BR290—Your Cost **95¢**

Models 17, 24 and 25

Part No. 929. 6 Mfd. **95¢**

BR292—Your Cost **95¢**

## Volume Controls



For Models 15, 22, 32 and 42

Part No. 3028. **\$1.95**

BR401—Your Cost **\$1.95**

For Models 14, 21 and 31;

Bremer Tully Models 81, 82

Part No. X626. With switch. **95¢**

BR295—Your Cost **95¢**

For Models 11, 12, 16 and 33

Genuine Part No. 6647. **75¢**

BR308—Your Cost **75¢**

For Models 17, 24 and 25

Part No. 6649. Genuine Bradley control with switch. **\$1.60**

BR739—Your Cost **\$1.60**

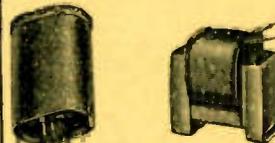
For Models P-3, P-10, P-11,

PR-28C, PR-38C and PR-48C

Genuine Part No. P-190. **55¢**

BR415—Your Cost **55¢**

## Filter Chokes



For Models 15, 22, 32 and 42

Part No. 3013. Shpg. wt. 3 lbs. **85¢**

BR173—Your Cost Each **85¢**

For Models 14, 21 and 31

Part No. X-647. Shpg. wt. 4 lbs. **\$1.45**

BR-164 Your Cost Each **\$1.45**

Similar to above, but for 25 cycle receivers. Part No. X-705. Shpg. wt. 4 lbs.

BR165—Your Cost **\$1.45**

For Models S-14, S-21, S-31

Part No. X-757. Shpg. wt. 4 lbs. **\$1.45**

BR169—Your Cost Each **\$1.45**

## Oscillator Coil Assemblies



Contain all padding, plate and grid by-pass condensers. In shields. Shpg. wt. 1 lb.

For Models 11, 12, 16 and 33

Part No. 6044. **\$1.95**

BR154—Your Cost **\$1.95**

For Models 17, 24 and 25

Part No. 6054. **\$1.95**

BR153—Your Cost **\$1.95**

For Models 11, 12, 16 and 33

Part No. 6031. **\$1.35**

BR133—Your Cost **\$1.35**

Similar to above, but for sets using AVC. Part No. 6035. **\$1.35**

BR226—Your Cost **\$1.35**

Second I. F. Transformer

Part No. 6032. **\$1.65**

BR132—Your Cost **\$1.65**

For Models 17, 24 and 25

First I. F. Transformer

Part No. 6033. **\$1.35**

BR155—Your Cost **\$1.35**

Second I. F. Transformer

Part No. 6032. **\$1.65**

BR132—Your Cost **\$1.65**

Antenna Loading Coils

Models S-14, S-21, S-31

Part No. X-741. Also used in Bremer-Tully models S-81 and S-82. Ideal general replacement. **25¢**

BR161—Your Cost Each **25¢**

Isolantite Bushing

Part No. 6409. Used in all models employing turret condensers. Low loss; ideal for use in high frequency receivers, etc. **25¢**

BR1069—Your Cost Each **25¢**

Four Gang Condenser

Models 15, 22, 32, 42

Part No. 3004. Complete with trimmers. Shpg. wt. 7 lbs. **\$2.75**

BR252—Your Cost Each **\$2.75**

NOTE

Space limitations prevent a complete listing of all Brunswick phono and radio replacement parts. Practically any part can be supplied on order; prices on request. A further listing of Brunswick and Bremer-Tully parts will be found on pages 44 and 45 in Catalog 56.

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Mail Your Orders to NEW YORK or ATLANTA



Sole Distributors for

# Clarion Radio REPLACEMENT PARTS

As sole distributors for all Clarion products we are prepared to supply practically any replacement part required. We carry complete stock of all the most used parts, including coils, transformers, condensers, etc. All Clarion parts are maintained in the New York Warehouse only, but may be ordered through Atlanta or Newark if more convenient.

A special department has been created for the handling of Clarion replacement parts and should any new products be developed from time to time by Clarion engineers these will also be available to authorized dealers at exceptionally attractive prices and discounts. If you are a Clarion dealer it will pay you to get in touch with us so that we can keep you informed of all new developments as they are completed by Clarion engineers.

## Power Transformers



### 60 Cycle-110 Volts

Stock No.	Clarion No.	Model No.	Your Cost
CL132	G1578	300	\$3.50
CL264	G1152	56	3.50
CL267	G1644	340	2.20
CL482	G1768	470	1.50
CL103	G2013	51	3.95
CL200	G1151	61, 70	3.25
CL232	G1381	160	2.50
CL102	G1255	80	2.00
CL262	G1437	200	1.75
CL269	G1528	240	1.95

### 25 Cycle-110 Volts

Stock No.	Clarion No.	Model No.	Your Cost
CL199	G1151A	61, 70	\$3.95
CL198	G1162A	56	4.25
CL101	G1240A	90, 94	3.50
CL479	G1323A	40	3.50
CL233	G1490A	260	3.50
CL135	G1644A	340	3.50
CL478	G1255A	80	2.95
CL134	G1381A	160	3.75
CL229	G1518A	280	3.75
CL168	G1578A	300	3.75
CL100	G1662A	360	3.10
CL166	G2113	51	5.85

### 60 Cycle-220 Volts

Stock No.	Clarion No.	Model No.	Your Cost
CL480	G1578B	300	\$3.75
CL169	G1240B	90, 94	3.45
CL266	G1323B	40	3.75
CL196	G1616B	320	1.65
CL167	G1662B	360	3.95
CL136	G1490B	260	2.50
CL228	G1151B	61, 70	3.50

## Dynamic Speakers

### Less Output Transformers

Stock No.	Clarion No.	Model No.	Your Cost
CL125	G1500	220	\$2.75
CL126	G1501	260	2.50
CL128	G1502	240	2.50
CL160	G1503	280	2.25
CL161	G1506	300	2.25
CL162	G1506	340	2.95
CL460	G1706	472	1.50

## Wave Change Switch For Model 480

Clarion Part No. 4919. Triple pole, double throw.  
CL525—Your Cost Each **50¢**

## Variable Condensers

Stock No.	Clarion No.	Model No.	Your Cost
CL178†	G1080	51	\$2.95
CL177*	P4432	320	1.95
CL182*	P4468	340	2.25
CL422*	P4745	450	2.25
CL173†	P4629	422, 425	1.25
CL174†	P4712	440	1.25
CL175†	P4856	470	1.25
CL176†	P4744	AR-100	1.50

† 4-Gang \* 3-Gang † 2-Gang

## Condenser Blocks



### Filter

Stock No.	Clarion No.	Models	Your Cost
CL217	G1529	240	\$2.95
CL372	P4709	440	2.95
CL380	P4737	450	2.95
CL226	G1480	220	2.95
CL209	G1384	100	2.95
CL227*	G1529A	240	2.95
CL212	G1573	300	2.95
CL219	G1319	40	2.95
CL207*	G1480A	220	2.25
CL364†	G1529B	240	2.75
CL201	G2033	51	3.95
CL206	G1164	70	3.95
CL216	1106	60	3.95
CL220*	G2133	51	3.95
CL377	P4584	400	1.10
CL363	P4585	400	.80
CL371	P4717	423	.95
CL202	G1178	61	3.75
CL222	G1187	56	3.75
CL204	G1256	80	2.25
CL213*	G1298A	90, 94	2.50
CL208	G1360	84, 85	2.50
CL221	G1298	90, 94	2.05
CL225	G1298C	95	1.35
CL211*	G1319A	40	3.25
CL223*	G1350A	84, 85	3.25
CL218	G1413	160	1.25
CL214	G1492	260	2.95

\* 25 Cycle. † 220 Volt.

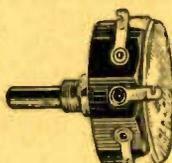
## By-Pass Blocks

Stock No.	Clarion No.	Models	Your Cost
CL191	G1067	51	\$0.85
CL376	G1108	60 (A.F.)	.85
CL224	G1540	240	.85
CL185	G1167	61, 70 (R.F.)	1.85
CL189	G1262	80, 90 (A.F.)	1.00
CL183	G1295	80, 90 (R.F.)	1.10
CL192	G1326	40	.75
CL334	G1348	45	.75
CL205	G1511	220	.75
CL188	G1622	322	.75
CL186	G1351	84	.50
CL203	G1498	260	.60
CL190	G1642	340	.80

## Voltage Dividers

Stock No.	Clarion No.	Models	Your Cost
CL296	P1335	60 Jr.	\$0.75
CL315	P1819	40, 100	.42
CL299	P4268	220	.35
CL295	P4269	241, 260	.35
CL294	P4305	280	.35
CL320	P4379	300	.35
CL298	P4267	300	.45
CL319	P4303	280 (Bias)	.20
CL300	P4512	340	.39
CL325	P4533	360	.25
CL318	P4534	360	.15
		(300 ohms)	
CL585	P4947	480	.48

## Volume Controls



Stock No.	Clarion No.	Models	Your Cost
CL496*	P1308	51	\$0.65
CL494*	P1813	40	.85
CL510*	P4035	100	.98
CL493	P1480	61, 70	.55
CL495*	P1749	80	.60
CL505*	P4080	120	.60
CL521*	P4081	160	.55
CL491*	P1747	90	.80
CL506	P4273	220	.55
CL499	P4434	320	.55
CL503*	P4769	AR-100	.75
CL523	P4979	490	.48
CL497*	G1740	422, 423	.60

\* With Switch.

## Tone Controls

Stock No.	Clarion No.	Models	Your Cost
CL517	P1566	58C	\$0.50
CL522*	P4978	490	.60
CL504*	P1955	85	.55
CL519*	P4079	160	.55
CL501*	P4433	340	.75
CL516*	P4861	470	.75

\* With Switch.

## R. F. Coils

Stock No.	Clarion No.	Models	Your Cost
CL547	P4741	450	\$0.60
CL562	G1544	240	.65
CL147	G1650	340	.65
CL149	G1191	56 (2nd)	.65
CL144	G1192	56 (3rd)	.65
CL145	G1272	80 (1st)	.65
CL146	G1293	90	.65
CL139	G1803	480	.40
CL140	G1376	100	.40
CL558	G1090	51 (2nd)	.95
CL156	G1183	61	.50
CL578	G1342	45	.55

## Antenna Coils

Stock No.	Clarion No.	Models	Your Cost
CL532	P4739	450	.65
CL561	G1493	241	.65
CL530	G1649	340	.65
CL154	G1163	70	.65
CL158	G1543	240	.85
CL148	G1294	90	.55
CL531	G1343	45	.45
CL152	G1386	100	.35
CL150	G1386	220	.50
CL549	G1089	51	.75
CL584	P4691	400	.65

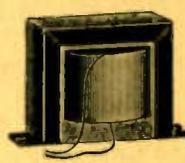
## Cone and Voice Coil For AR-100 Auto Set

Original Clarion Part No. G1751.  
CL594—Your Cost Each **65¢**

## "A" Choke for AR-100

Clarion Part No. P4799,  
CL157—Your Cost Each **29¢**

## Audio Transformers



### Input

Stock No.	Clarion No.	Models	Your Cost
CL255	G1045	51	\$1.05
CL245	G1109	60 Jr.	1.45
CL248	G1182	61	1.45
CL249	G1778	480	.95
CL257*	G1586	300	.85
CL250	G1812	490	.75
CL438*	G1838	500	1.25
CL588	G1419	280	1.25

\* Driver Transformer.

### Output

Stock No.	Clarion No.	Models	Your Cost
CL253	G1051	51	\$1.15
CL256	G1420	160	.85
CL279	G1516	280	.85
CL240	G1660	360	.85
CL247	G1813	490	.85
CL262A	G1276	80, 84, 85, 94	.75
CL243	G1697	425, 440	.75
CL241	G1617	320	.55
CL242	G1689	400	.65
CL278	G1748	AR-100	.95

## I. F. Coils

Stock No.	Clarion No.	Models	Your Cost
CL118	P4885	470, 472 (1st)	\$1.25
CL544	P4654	420 (1st)	1.25
CL541	P4656	420 (2nd)	1.25
CL545	P4716	422 (2nd)	1.25
CL120	G1531	240 (1st)	1.25
CL115	G1582	240 (2nd)	1.25
CL104	G1538	240 (3rd)	1.25
CL110	G1575	300 (3rd)	1.25
CL114	G1647	340	1.25
CL105	G1661	360	1.25
CL118	G1843	490	.95
CL539	P4711	440	.95
CL116	P4798	AR-100	.95
CL111	G1494	260 (2nd)	.95
CL159	G1414	160 (1st)	.95
CL107	G1402	120	.95
CL540	P4045	220	.40
CL533	P4790	450 (1st)	1.25
CL543	P4731	450 (2nd)	1.25
CL427	P4879	470	1.75
CL121	G1610	241 (1st)	1.15
CL117	G1611	241 (2nd)	1.15
CL108	G1698	320 (osc. and I. F.)	1.15
CL113	G1794	480 (2nd)	1.15
CL109	G1576	300	.85
		(1st and 2nd)	
CL155	G1793	480 (1st)	.55

## Oscillator Coils

Stock No.	Clarion No.	Models	Your Cost
CL564	P4887	470	\$0.50
CL563	G1804	480	.45
CL550	P4044	100, 220	.55
CL546	G1546	240	.65
CL566	G1545	240	.65
CL141	G1273	80	.65
CL559	P4740	450	.70
CL551	G1562	241	.40
CL151	G1311	90	.40
CL123	G1648	340	.40
CL587	G1373	220	1.45

## NOTE

Space limitations prevent us from showing a complete tabulation of all the Clarion parts available. If the part you require is not listed, write us giving model number and name of part. We will then quote you at the very lowest prices.

# Genuine *Majestic* Replacement **PARTS** at Savings to You

**QUANTITY LIMITED**

## Power Transformers



**PLATE TRANSFORMER 70 SERIES**  
 7 BP6 Pack  
 Part No. 67. Shpg. wt. 6 lbs.  
**XC2104—Your Cost..... 65¢**

**PLATE TRANSFORMER—MODEL 180**  
 For 8BP6 Pack  
 Duplicate of Part No. 618. Shpg. wt. 9 lbs.  
**XC2169—Your Cost..... 4.25**

**FILAMENT & PLATE TRANSFORMER**  
**MAJESTIC 9BP6 Power Packs**  
 Part No. 436. Shpg. wt. 15 lbs.  
**XC2100—Your Cost..... 1.25**

**MAJESTIC 90-B and 100-B**  
 Duplicate of Majestic Part No. 1562. Filament and plate transformer in one container. Shpg. wt. 15 lbs.  
**XC2127—Your Cost..... 3.40**

**FILAMENT TRANSFORMER 70 SERIES**  
 7BP Power Packs  
 Part No. 61. Shpg. wt. 6 lbs.  
**XC2105—Your Cost..... 49¢**

**MAJESTIC MODEL 130A**  
 Part No. 891. Shpg. wt. 7 lbs.  
**XC2130—Your Cost..... 3.45**

**MAJESTIC MODEL 310A**  
 Part No. 7846. Shpg. wt. 7 lbs.  
**XC2045—Your Cost..... 2.10**

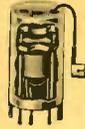
**MAJESTIC MODEL 310B**  
 Part No. 8365. Shpg. wt. 7 lbs.  
**XC2046—Your Cost..... 2.25**

**MAJESTIC MODEL 330**  
 Part No. 8717. Shpg. wt. 7 lbs.  
**XC2047—Your Cost..... 1.95**

**MAJESTIC MODELS 380, 381**  
 Part No. 8892. Shpg. wt. 6 lbs.  
**XC2016—Your Cost..... 1.70**

**MAJESTIC MODEL 800**  
 Part No. 11031. Shpg. wt. 7 lbs.  
**XC2049—Your Cost..... 2.25**

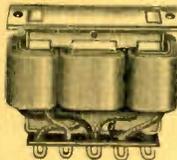
## I. F. Transformers



Each coil bears the manufacturers part number stamped on the housing.

Stock No.	Model No.	Part No.	Stage	Your Cost
XC2489	15, 15B, 150, 55	4429	Output	\$0.69
XC2491	15, 15B, 150	4428	Composite	1.25
XC2303	25	5326	1st I.F.	1.19
XC2304	25	5337	2nd I.F.	1.19
XC2318	25B	5601	1st I.F.	1.25
XC2319	25B	5602	2nd I.F.	1.25
XC2498	60	4439	1st I.F.	1.95
XC2499	60	4267	2nd I.F.	1.95
XC2324	200	6250	1st I.F.	1.25
XC2325	200	6254	2nd I.F.	1.29
XC2332	300	7205	1st I.F.	1.19
XC2333	300	7230	2nd I.F.	1.35
XC2415	310A	7821	1st I.F.	.79
XC2416	310A	7812	2nd I.F.	.45
XC2451	460	10149	1st I.F.	1.10
XC2452	460	10253	2nd I.F.	.45

## Pilot Light Dimmer



**For Models 300 300A and 320**  
 Duplicate of the original Majestic Part No. 7786. Used as a resonance indicator in the above model sets. Complete, no changes necessary to install.  
 Employs new heavy duty primary coil: will not burn out. Shpg. wt. 2 lbs.  
**XC2514—Your Cost..... 85¢**

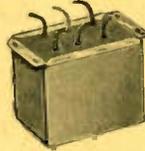
## Condenser Blocks

**Models 90B, 100B**  
 Part No. 1564. Shpg. wt. 6 lbs. **\$1.75**  
**XB1065—Your Cost.....**

**Majestic 60, 160**  
 Part No. 3858. Shpg. wt. 9 lbs. **\$1.95**  
**XB1072—Your Cost.....**

**Majestic 30 Choke and Condenser**  
 Part No. 3622. Shpg. wt. 10 lbs. **\$2.25**  
**XB1073—Your Cost.....**

## Audio Transformers and Filter Chokes



**STRAIGHT AUDIO TRANSFORMER MAJESTIC 70 SERIES**  
 Part No. 638. Shpg. wt. 5 lbs.  
**XC2091—Your Cost..... 85¢**

**PUSH-PULL OUTPUT TRANSFORMER MAJESTIC 90 SERIES**  
 Part No. 134. Shpg. wt. 3 lbs.  
**XC2107—Your Cost..... 59¢**

**90-B PUSH-PULL OUTPUT TRANSFORMER**  
 P.P. Output, Majestic Part No. 1552.  
**XC2095—Your Cost..... 69¢**

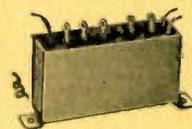
**130A PUSH-PULL INPUT TRANSFORMER**  
 Part No. 1883. Shpg. wt. 6 lbs. **\$1.25**  
**XC2093—Your Cost.....**

**CHOKE FOR 70 SERIES**  
 Part No. 66. Shpg. wt. 8 lbs.  
**XC2101—Your Cost..... 22¢**

**DOUBLE CHOKE FOR 180 SERIES**  
 Part No. 626. Shpg. wt. 8 lbs.  
**XC2102—Your Cost..... 45¢**

**DOUBLE CHOKE FOR 90 SERIES**  
 Part No. 281. Shpg. wt. 9 lbs.  
**XC2103—Your Cost..... 49¢**

## By-Pass Assemblies



**MODEL 220**  
 Genuine Majestic replacement Part No. 6577. Shpg. wt. 2 lbs.  
**XB723—Your Cost Each..... 39¢**

**MODEL 35**  
 Part No. 5792. Shpg. wt. 2 lbs.  
**XB724—Your Cost Each..... 39¢**

**MODEL 45**  
 Part No. 5926. Shpg. wt. 2 lbs.  
**XB725—Your Cost Each..... 49¢**

## FADA Tuning Bracket Casting



Used on all of the older model Fada sets. Genuine part, will fit chassis exactly. Part No. stamped on casting. Shpg. wt. 1 lb. Part No. 858MP.  
**XF6154—Your Cost..... 75¢**  
**XF6155—Your Cost..... 75¢**

## FADA Cone Bracket



Genuine Part No. 878MP. Used with early model dynamic speakers. Iron casting, will not break. Shpg. wt. 3 lbs.  
**XF6159—Your Cost..... 75¢**

## FADA 3-Legged Cone Brackets

Used in early Fada receivers. Improved type, cast iron construction. Three types. Shpg. wt. 3 lbs.

**XF6156—No. 888MP \$1.40**  
**XF6157—No. 885MP**  
**XF6158—No. 901MP**  
**Your Cost Each, Any Type.....**

## FADA Dial Scale and Drum

Genuine Fada Part No. 871MP. Used in all early models. Scale riveted to drum. Shpg. wt. 2 lbs.  
**XF6160—Your Cost \$1.10**



## FADA Friction Drive Shaft

Genuine Fada Part No. 1724X. Used with drum illustrated at right. Comes complete with all washers, spring, etc. Assembled ready for use. Shpg. wt. 1 lb.  
**XF6152—Your Cost..... 50¢**

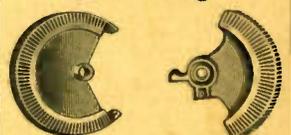


## FADA Tuning Drum



Genuine Fada Part No. 1716X. Used with early models. 4 1/4" diameter, 1/2" track. Shpg. wt. 1 lb.  
**XF6153—Your Cost 85¢**

## FREED-EISEMANN Volume and Tuning Dial Castings



Exact duplicates of the original Freed-Eisemann Part Nos. 2445 (tuning dial) and 2446 (volume control) castings. Will fit chassis exactly; no changes necessary to install. Of cast iron, finished in gilt. Will not break or crack. Shpg. wt. 2 lbs. each.  
**XF6150—Volume Control Casting. Your Cost Each..... 85¢**  
**XF6151—Tuning Dial Casting. Your Cost Each..... 90¢**

# Read THIS PAGE before ORDERING!

**WE RETURN ALL UNUSED POSTAGE**



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

## Parcel Post Rates for Various Zones

Parcels up to 8 oz. may be shipped anywhere in U. S. A. for 1½¢ for each 2 oz. Rates Subject to Change by U. S. Postal Authorities

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

### TERMS

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

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

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

**IMPORTANT.** Indicate catalog number and stock number on order blank. The number of this catalog shown on front cover is 57.

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The average Parcel Post rate on foreign shipments is 14c per pound. Insurance rate averages 1¼ per cent of the order's value, with a minimum rate of 25 cents.

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

### PARCEL POST

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

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

### INSURANCE

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

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

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

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

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

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

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

Parcel post shipments to all zones must not exceed 70 pounds. The limit of size on all parcel post packages is one hundred inches in length and girth combined. Example: a package 35 inches long, 10 inches wide and 5 inches high, measures 65 inches in length and girth combined. (Length 35 inches, plus 2 x 10 inches width, plus 2 x 5 inches height, equals 65 inches).

### OUR SERVICE

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

### SPECIAL NOTICE

Customers located nearer our Southern headquarters should send orders to **430 West Peachtree St., Atlanta, Ga.** Others, including foreign customers, should send orders to **100-6th Ave., New York City.**

When corresponding about any shipment or articles received please write to the address from which merchandise was shipped.

### TO INSURE PROMPT DELIVERY

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

**Wholesale Radio SERVICE Company, Inc.**  
on all letter envelopes or packages. Address all mail to the company.

*Prices Subject to Change Without Notice!*

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# Sound **FACTS!**

## VITAL to Every SOUND TECHNICIAN!

### An Amplifier for Every Known Application Now Available

ON the following pages the reader will find a description of the most complete line of sound amplifiers, systems and accessories offered by any one organization. Ranging in power output from  $3\frac{1}{2}$  to 100 watts, at prices from \$9.75 to \$81.50, these amplifiers meet every sound requirement. All this equipment is characterized by dependability, efficiency and ruggedness. The types of circuits used are the most efficient for each application, and were chosen by Lafayette engineers without regard for various "trick" arrangements that are devised by others for publicity purposes rather than for any genuine technical considerations.

### Careful, Competent Engineering

The world-wide reputation achieved by Lafayette Sound Equipment, which is sold exclusively by Wholesale Radio Service Co., Inc., is founded on competent, careful engineering. One entire laboratory, in which the most modern testing and measuring apparatus is available, is devoted solely to the development of sound amplifiers. Lafayette engineers are sound specialists, with years of experience in the design, construction and field use of amplifiers and related units. In designing each item in the Lafayette line, they treat it as an individual problem, and consider all possible technical requirements and conditions of operation. They build numerous models and subject them to the strictest known tests for their frequency response, harmonic content, power output into various loads, gain and hum level. When finally an amplifier is released for production, it is a fully engineered product that will do everything claimed for it.

### "Tube Manual" System of Rating Exposed

Although we are proud to say that the published ratings of Lafayette amplifiers have always been and always will be honest, the practice of other sales organizations of incorrectly rating capabilities of comparative units now forces us, as a matter of self-defense, to expose some of the methods used.

It is the practice of many manufacturers to rate their amplifiers according to the outputs for the tubes as given in the tube manuals. This is ridiculous, as the conditions under which these figures were obtained are rarely encountered in actual practice. The method of operating the tubes is important and significant for instance, a pair of 45's is normally rated at 4 watts, but it is possible to obtain 18 watts out of them! On the other hand the 6A6 tube is rated in the manufacturer's manual as having an output of ten watts with a certain driver, whereas under practical operating conditions the maximum usable output with this same driver is actually 6 watts!

### Power Into 500-Ohm Line Is What Counts!

The output obtainable at the output impedance of the tube means nothing. The minimum loss with a high efficiency output transformer (and every amplifier must have an output transformer) is 1 db, the loss depending on the level. Many transformers have an "insertion loss" of 3 db, which means that only one-half the plate power will be delivered to the voice coil or the line. It's what goes into the speakers that counts, remember, and not what is dissipated in the plate circuit.

To avoid all misunderstanding, we publish with each amplifier description, a uniform box of technical characteristics which constitutes the true story of that amplifier. This gives peak output, maximum output into the ideal plate impedance load, maximum output into a 500-ohm line (and this is OUR

honest rating of the amplifier), harmonic content of the rated maximum outputs, gain and hum level in db and power consumption from the line. The frequency characteristic is also measured into the 500-ohm line as shown by each curve.

Hence Lafayette amplifier ratings cannot be compared with those of other units that are rated hypothetically. When the output of a Lafayette amplifier is given as 15 watts, this is the actual usable power obtainable from the amplifier and no allowances need be made for the difference between the rated output and the actual power output as must be done in the case of most competitive amplifiers having ratings based on ideal operating conditions.

### Peak and Distortion Ratings Clarified

The peak power is merely the maximum measurable output without regard for wave shape. We state it only to indicate the overload limits and to expose competitors who give the peak output as the maximum useful output. We do not state the "maximum undistorted output," as this is a very loose term. Instead, we give the harmonic content, which is accurately measurable and really indicates the quality of an amplifier.

### Method of Measuring Distortion

Harmonic content, which is effectively the distortion, cannot be measured by a cathode ray oscillograph, but requires elaborate oscillators and bridges, found only in the finer laboratories. Lafayette laboratory facilities include not only these harmonic analyzers, but also every other known device for amplifier measurement. Under average conditions 8% harmonic content is considered acceptable; all Lafayette amplifiers are well below this figure.

## ATTENTION!

### RESEARCH LABORATORIES AND COLLEGES

Lafayette engineers are so confident that the rating of each Lafayette amplifier is correct that they will gladly submit any Lafayette amplifier to accredited Research Laboratories and colleges for measurement purposes.

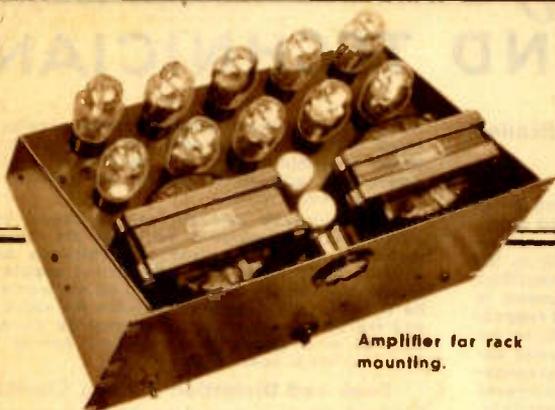
### Special Service on Sound Systems

Before any Lafayette sound system is shipped to a customer, it is set up complete in our sound auditorium and checked thoroughly. This is an exclusive service offered by Wholesale Radio. If the customer has made an improper selection of any component, we notify him in advance and make suitable suggestions before actual shipment is made. We maintain a special Sound Engineering Department just for this purpose, and invite you to take advantage of its years of experience and knowledge. Its services are free.

### Compare the Figures!

From the foregoing you can now understand why Lafayette Sound Equipment has established an international reputation for excellence in design, ruggedness in construction and perfection in operation, and why it is the choice of thinking sound technicians the world over. As convincing final proof of its superiority, we present on the two following pages a startling comparison of two typical amplifiers—the new Lafayette Model 130-A 100-Watt unit and a so-called "100 watt" amplifier of the nearest competitive make. The performance figures speak for themselves!

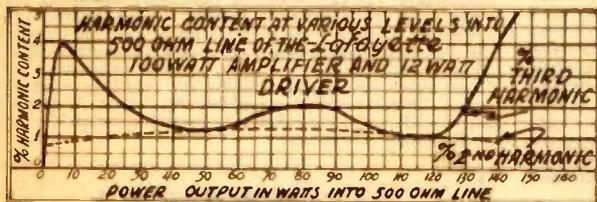
# The Lafayette 100 Watt Amplifier



Amplifier for rack mounting.

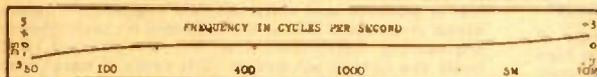
## TECHNICAL CHARACTERISTICS 100-Watt Amplifier

Peak output .....	180 watts
Maximum output into plate load .....	125 watts
Maximum output into 500-ohm line .....	100 watts
Harmonic content .....	3%
Gain .....	14.3 db
Hum level .....	-60 db
Power consumption from line .....	350 watts



## TECHNICAL CHARACTERISTICS 100-Watt Amplifier Plus 12-Watt Driver

Peak output .....	180 watts
Maximum output into plate load .....	125 watts
Maximum output into 500-ohm line .....	100 watts
Harmonic content .....	3%
Gain .....	9.5 db
Hum level .....	-80 db
Combined power consumption from line .....	460 watts



The frequency characteristic of this ultra high power amplifier and driver is the result of accurate design.

Model 150-A—Lafayette 100-Watt Amplifier, complete with tubes, less metal cabinet. Dimensions: 19" wide x 12" deep x 10½" high overall. Shpg. wt., 122 lbs. Code Arum. **\$81.50**  
List price \$163.00. Your Cost .....

All Metal semi-portable carrying case for above amplifier as illustrated. List price \$17.50. Your Cost .....

Model 356-P—Lafayette 12-Watt High-Fidelity Driver for 100-Watt Amplifier, less tubes. Dimensions: 7" deep x 16" wide x 8¼" high overall. Shpg. wt., 45 lbs. Code Pinna. **\$27.50**  
List price \$55.00. Your Cost .....

Kit of tubes for above amplifier: 1-53, 2-56, 2-2A3, 1-5Z3. Your Cost .....

## DESIGNED FOR AIRPORTS, BALL PARKS, AIRPLANES, WILL SERVE CROWDS OF 100,000 PEOPLE—LOWEST TUBE COST OF ANY 100-WATT AMPLIFIER

THE largest sound amplifier previously available in the Lafayette line, the 60-watt unit, is not quite big enough for certain special applications; for instance, at airports, large football stadia and open-air meetings where an extremely high noise level prevails. An output of at least 100 watts was deemed necessary, so Lafayette engineers started an intensive study of high-power amplifier considerations and also of existing designs.

Examination and trial of several typical high-powered amplifiers revealed quickly that they suffered noticeably from distortion at high levels and that their operating cost, due to the use of expensive transmitting type tubes, was very high. In some of these units the manufacturers had quite evidently tried to save money by using transformers that certainly were never intended to carry the loads imposed on them. In one amplifier sold as a "100-watt" job, the output transformer was no larger than the transformer used in a Lafayette 15-watt amplifier.

## SPECIAL COMPONENTS NECESSARY

Lafayette engineers decided that their 100-watt amplifier must deliver 100 watts of usable energy into a 500-ohm line, with less than the allowable 8% harmonic content. Cost was to be secondary, as there could be no compromise with quality and dependability in an amplifier designed to feed voice and music to crowds of 100,000 people.

Fortunately for the purchaser, Lafayette engineers devised a unique method of using receiving type tubes to deliver the necessary 100 watts. To accomplish this full 100-watt transformers were built, but the reduced tube cost (as compared with the cost of transmitting types) compensated for this so nicely that the Lafayette 100-Watt Amplifier, with all its custom built components, costs no more than dishonestly constructed "100-watt" amplifiers that aren't 100-watt amplifiers at all.

## CHARACTERISTICS VERIFIED

The use of eight ordinary 59's, costing less than 90 cents apiece, to give real 100-watt output was so revolutionary, and the general characteristics so good, that Lafayette sent a complete sample amplifier to the testing laboratory of a large tube manufacturer, with the request that they "give it the works." The engineers were particularly interested in tube life, as the tubes are the only parts that would need eventual replacement. The report that came back from the tube laboratory so completely checked the original measurements of Lafayette engineers that Wholesale Rodia Service Co., Inc. as sole distributors for Lafayette products, is happy to present the detailed technical characteristics and to sponsor the completed amplifier as the finest high-powered amplifier on the market. We sell it with complete confidence in its capabilities and you can use it with complete confidence.

## HARMONIC CONTENT AT RECORD LOW

With 100 watts going into a 500-ohm line, a condition representing actual operation and not merely theory, the measured harmonic content is only 3%! This phenomenal performance is not approached by any other 100-watt amplifier we know of. We emphasize the fact that this is 100 watts of energy in the actual 500-ohm line, not merely into a theoretical plate impedance load. This is a "wide range" as well as a high-power amplifier, as the frequency response curve shows.

## 8-WATT DRIVER REQUIRED

The Lafayette 100-Watt Amplifier can be driven by any amplifier with an output of 8 watts. For coordinated results, we recommend the Lafayette Model 356-P High-Fidelity Driver. This uses a 53, two 56's and two 2A3's, and actually delivers 12 watts at a harmonic content of only 3%. At the average level required to drive the 100-watt amplifier, the driver has a harmonic content of less than 2%, which means that the total content of the whole system is less than 6% when the full 100-watt output is delivered to a 500-ohm line.

# The Finest High-Powered Unit on the Market!

## COMPARATIVE TESTS SHOW SUPERIORITY OF LAFAYETTE DESIGNS

### ENTIRELY AC OPERATED — NO GRID BIAS BATTERIES EXTRA HEAVY TRANSFORMERS AND FILTER SYSTEM

Although it has never been the policy of Wholesale Radio Service Co., Inc. to cast reflections on apparatus sold by other firms, there has been so much deliberate mis-rating of amplifiers, and particularly high-powered amplifiers, that in all fairness to prospective purchasers of this type of equipment we are presenting some data on comparative tests made in the Lafayette laboratory. This involved a competitive 100-watt amplifier, whose performance is best indicated by the oscillograph tracing, Fig. 3, reproduced herewith alongside a similar tracing, Fig. 2, of the same signal as handled by the Lafayette amplifier.

### NOISE, NOT QUALITY

This amplifier, Fig. 1, purchased on the open market complete with all tubes and the recommended driver, showed up so badly that we refrain from publishing the actual harmonic content and hum level figures for fear that our readers will think them improbable. The unit delivered 100 watts all right; in fact it delivered 180 watts, but the best description of this output is "non-descript." It was more hum, distortion and plain noise than actual signal. This is the amplifier with the output transformer equivalent to the Lafayette 15-watt transformer in size.

The bore filter system consists of only 2 mf. of condenser and one receiver type choke. Compare this puny filter with the 16 mf. of condenser and 2-15 h chokes in the Lafayette 100-watt amplifier.

### BATTERY BIAS STILL USED!

In this day of complete AC operation, it is astonishing to find this "100-watt" amplifier using old-fashioned battery bias. No batteries to dry up are used in the Lafayette amplifier, which obtains ALL its power from the 110-volt line.

### BIG SAVING IN TUBE COST

The difference in tube cost is startling. Whereas the two transmitting type tubes in the competitive amplifier cost a total of approximately \$30, the eight receiving type tubes in the Lafayette amplifier cost only \$8.00. Lafayette engineers have invested this saving in really adequate power and output transformers, in a husky filter system, and in generally superior construction. Type 59 tubes are available everywhere, and a spare set of them can be kept on hand at all times.

### ENORMOUS TRANSFORMERS USED

Some idea of the size of the output transformer used in the 100-watt amplifier can be obtained from Fig. 4, in which a type 30 tube is included for comparison. Sound men accustomed to ordinary transformers display astonishment when they see and lift one of these brutes. It measures  $7\frac{1}{4}$ " $\times$  $5\frac{1}{2}$ " $\times$ 5" and weighs 20 lbs.

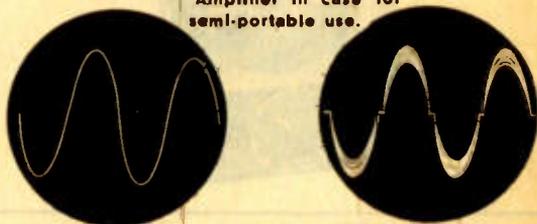
### RIGID STEEL CONSTRUCTION

To support the weight of all the components, Lafayette engineers have gone to extremely heavy steel construction. The amplifier is designed for convenient rack mounting, although it can be used just as readily on a table top. The panel is of  $\frac{3}{32}$ " steel, the top and side supporting member of  $\frac{1}{16}$ " stock. All surfaces are finished in black lacquer which protects the steel permanently against rust.

On the front panel are merely a plate ammeter, a line switch, fuse and a pilot light. All input and output connections are made of the back of the chassis. An extra 110-volt receptacle is provided so that the driver amplifier can be controlled by the same line switch that turns the main amplifier on and off.



Amplifier in case for semi-portable use.



Compare these direct tracings of oscillograph curves and draw your own conclusions!! A pure sine wave 1000-cycle signal was fed into the Lafayette 100-Watt Amplifier, with the beautifully faithful reproduction shown at the left, Fig. 2; the ragged, distorted reproduction of the competitive amplifier, with the same input signal, is shown on the right, Fig. 3. These curves were obtained with both amplifiers working at the 100-watt level.



Fig. 4: Make another significant comparison! Look at the Lafayette 100-watt output transformer (left) and note how it dwarfs the competitive 100-watt output transformer used in the amplifier shown above in outline. The type 30 tube gives an idea of their actual sizes.



Fig. 5: The Lafayette 15-watt output transformer, at the left, makes the competitive 100-watt transformer, at the right, look "puny". In fact the Lafayette 15-watt unit weighs as much as the competitive 100-watt transformer, by actual measurement.

### OTHER AMPLIFIERS SIMILARLY MISRATED

This comparison of the Lafayette 100-Watt Amplifier and the nearest competitive unit is typical of the general situation with amplifiers of other sizes. Whereas other makes are ambiguously rated according to theoretical conditions of tube operation, Lafayette amplifiers are honestly rated according to what they actually deliver in the form of useable energy! When we say an amplifier has an output of 10 or 100 watts, we mean 10 or 100 watts into a 500-ohm line, which is the only rating that counts. Satisfy your sound requirements with any of the amplifiers and systems described on the following pages, and join the increasing army of Lafayette boosters.

### SYSTEMS SUGGESTED ON REQUEST

Since the installation of a 100-watt amplifier system invariably is a special job, we are not listing a complete set-up, and we offer the services of our consulting department to prospective purchasers.

# Utility High-Gain Amplifiers for All Applications

**Compact — Strong — Efficient**  
**Ideal for Office Call Systems**  
**Quality Combined with Low Price**  
**Provision for Speaker Field Current**



The perfect frequency response for utility purposes including electronic applications available in this model.



The frequency response of this utility amplifier is well suited for all form of commercial application.



## SPECIAL INEXPENSIVE SYSTEMS

Several tested sound systems using the 6B5 and 2A5 amplifiers are suggested below. These will meet average requirements for small "public address" applications but of course they are by no means the only possible combinations. Let us know what your sound problem is and we will make recommendations. It is important to note that no extra field supplies are needed; this accounts for the unusually low prices.

System No. 161-P—Consisting of Lafayette Model 110-A 6B5 5-Watt Amplifier with tubes, a TruTest Model XM13348 double-button microphone with desk stand and 12 ft. of shielded cable, a Lafayette Model XN13540 Senior Microphone Input Stage, an 8-inch dynamic DC speaker which obtains its field current from the amplifier. Shpg. wt., 35 lbs. Code Pansa. List price \$57.00. **Your Cost \$28.50**

System No. 162-P—Consists of the Lafayette Model 112-A 2A5 3.5-Watt Amplifier with tubes, a TruTest Model XM13348 double-button carbon microphone, with desk stand and 12 ft. of shielded cable, a Lafayette Model XN13540 Senior Microphone input stage and one 8-inch DC dynamic speaker obtaining its field current from the amplifier. Shpg. wt., 35 lbs. Code Picro. List price \$49.50. **Your Cost \$24.75**

## TECHNICAL CHARACTERISTICS

Peak output ..... 8 watts  
 Max. output at 7000 ohms ..... 5 watts  
 Harmonic content ..... 6%  
 Hum level ..... -56 db Gain ..... 76 db  
 Power consumption from line ..... 50 watts

THE fine features of the new 6B5 tube are used to maximum advantage by Lafayette engineers in the new Model 110-A 5-Watt Amplifier. This tube is similar to the 2B6, which was so popular last season, in that it consists of a small driver triode and a large power triode in one envelope, but it has a 6.3-volt heater instead of 2.5 as with the 2B6, and has greater power output with less distortion.

### Three Stages with Two Tubes

The combination of a 57 and a 6B5 in this utility amplifier gives the full equivalent of three stages of amplification, with the gain of 76 db. The hum level of minus 56 db means that the operation is exceedingly quiet. Glance at the frequency response on this page and you will see that this amplifier is suitable for laboratory purposes as well as the general run of sound applications.

### Useful for Many Purposes

The small size, strong construction and medium power output of the Lafayette 5-Watt Amplifier make it very useful for electronically controlled counters using photo-electric cells, sorters, measuring devices, dictaphones, etc. For small office call systems and phonograph and microphone reproduction in cafes and club rooms it is ideal. A large broadcasting organization uses Lafayette amplifiers of this type (the previous 2B6 model) for sound effect reproduction and inter-studio call systems.

### High Quality at Low Expense

The low price of the completed amplifier notwithstanding, all the parts are of the highest quality and were selected to meet the usual high standards of the Lafayette laboratory. The same care in manufacturing and testing received by all other Lafayette amplifiers also goes into this compact unit.

Rigidly constructed of steel, the Lafayette 5-Watt Amplifier will give long and enduring service. Once installed, it requires no attention other than occasional inspection.

### Two 5 Watt Models Available

Two models of the 6B5 amplifier are available; one with provision for field supply to two speakers with 2000-ohm fields, the other without field facilities. An 83 rectifier tube is used in both cases with the 57 and the 6B5. No output transformer is furnished, as most small speakers carry their own.

### Special 3.5 Watt 2A5 Amplifier

For applications requiring less than 5 watts, the Lafayette 2A5 Utility Amplifier, with an output of 3.5 watts, will prove effective and economical. It is identical in physical size with the 6B5 unit, and uses a 57, a 2A5 and an 83. The excellent characteristics of this handy little amplifier are indicated by the curves.

Field supply provision for one 2500-ohm field is optional. No output transformer is supplied, as this will be found on the loud speaker itself.

This amplifier is particularly well adapted for modernizing old style phonographs. Its output is adequate for the purpose, and the unit itself can be concealed readily in a record compartment or other corner of the phonograph case.

## TECHNICAL CHARACTERISTICS

Peak output ..... 5 watts  
 Max. output at 7000 ohms ..... 3.5 watts  
 Harmonic content ..... 6%  
 Gain ..... 83.6 db Hum level ..... -54 db  
 Power consumption from line ..... 55 watts

Lafayette Model 110-A—6B5 5-Watt Amplifier, less tubes and field supply connections. Dimensions: 9 1/4" wide, 7 1/2" deep and 7 1/4" high. Shpg. wt., 12 lbs. Code Ampeus. List price \$19.50. **\$9.75 Your Cost**

Lafayette Model 111-A—6B5 5-Watt Amplifier, same as above but with two 2000-ohm field supply connections. Shpg. wt., 14 lbs. Code Antiq. List price \$25.90. **Your Cost \$12.95**

Lafayette Model 112-A—2A5 3.5-Watt Amplifier, less tubes and field supply connections. Dimensions: 9 1/4" wide, 7 1/2" deep and 7 1/4" high. Shpg. wt., 12 lbs. Code Alnus. List price \$19.50. **Your Cost \$9.75**

Lafayette Model 113-A—2A5 3.5-Watt Amplifier, less tubes but with field supply connections. Shpg. wt., 12 lbs. Code Angra. List price \$19.50. **Your Cost \$9.75**

Kit of tubes for Model 6B5 Amplifier. **Your Cost \$2.30**  
 Kit of tubes for Model 2A5 Amplifier. **Your Cost \$1.60**

A LABORATORY TESTED *Lafayette* PRODUCT

# The Inexpensive Ultra High Gain Amplifier

## TECHNICAL CHARACTERISTICS

Peak output ..... 18 watts  
 Max. output into 4000-ohm load ..... 15 watts  
 Max. output into 500-ohm line ..... 12 watts  
 Harmonic content at rated max. outputs . . . 4%  
 Gain ..... 94 db    Hum level ..... -47 db  
 Power consumption from line ..... 80 watts

MONTHS of research and refinement have gone into the new Lafayette Model 124-A 12-Watt Amplifier, which uses type 2A5 as triodes in a novel push-pull "A" prime circuit. Selling for only \$17.50, it includes the Lafayette electronic two-position mixer and works directly with a crystal microphone without the need for an expensive pre-amplifier. Compare this compact, efficient system with any similar 12 or 15 watt amplifier! The nearest competitive amplifier costs more, has no mixer, requires pre-amplification and has much higher harmonic content.

### Convenience with Economy

A 12-watt amplifier with built-in mixer and with enough gain to operate a crystal microphone represents a big advance in amplifier technique. Lafayette engineers did some clever work on this unit and we predict that it will enjoy wide use in many applications where a medium power, low priced, easily operated amplifier is required.

### Four Stage Circuit with Mixer

The Lafayette electronic mixer (patent pending) uses a type 53 tube, and unlike other mixer devices, which have a slight loss, it actually affords a gain. Two input signals, say from radio and microphone, or microphone and phonograph, can be blended smoothly and remain under perfect control of all times. The mixer tube is followed by a 57, a 56 and two 2A5's in Class "A" prime, with an 83 in the power system. The gain of 94 db and the harmonic content of only 4% put this amplifier in a class by itself.

### Flexibility of Input Arrangement

This 12-watt amplifier will operate from practically any input impedance without a matching transformer provided a minimum of .017 volts is available from the driving source. With crystal microphones and phonograph pickups the operation is as smooth and clean as anyone could desire. The crystal types of instruments are recommended for their simplicity, reliability and highly favorable frequency characteristics.

### Heavy Duty Parts Throughout

Don't let the unprecedented price of the Model 124-A amplifier mislead you into thinking that ordinary receiver-type parts are used to lower the overall cost. All components are heavy, oversize units, selected by Lafayette engineers especially for the job. The amplifier has withstood severe overload tests over long periods, and in normal operation will require no service or attention other than routine inspection and checking of the tubes.

### Output Impedances

No output transformer is supplied with the amplifier, as most medium size dynamic speakers have their own transformers. However, space has been left under the chassis for a high-quality transformer, which may be ordered at slight extra cost. This transformer has 7 up to 15 ohms and 250-500 ohm secondary windings to take care of all voice coil or line requirements.

### High Quality at Low Cost

The low price of the Model 124-A Amplifier notwithstanding, this is a "wide range" unit, with a frequency response much in excess of ordinary sound requirements. The response is down only 1 db at 50 cycles and 2.5 db at 10,000 cycles, as study of the accompanying curve will show.

This performance is best appreciated if the reader will compare it with that of a competitive amplifier rated at 15 watts and called "high fidelity" by its makers. At 15 watts the harmonic content measured over 20%, which means that reproduction is utterly worthless. At 12 watts it was still 9%, as compared with 4% - less than half - for the Lafayette Model 124-A amplifier. Add to this the fact that the competitive amplifier had a gain of only 60, not even enough for a carbon mike, and you have an idea of the superiority of the Lafayette product. All measurements as to harmonic content were made with a harmonic analyzer, not merely a cathode ray oscillograph. These figures are very significant and should be kept in mind.

### Special Systems

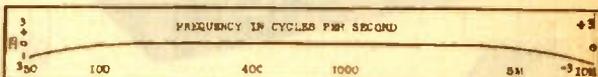
In comparing the prices of the following systems with those of similar systems sold elsewhere, please remember that the Model 124-A Amplifier includes the two-position electronic mixer and works with crystal microphone directly. There are no extras to buy at the last minute

Built-in Mixer at No Extra Cost

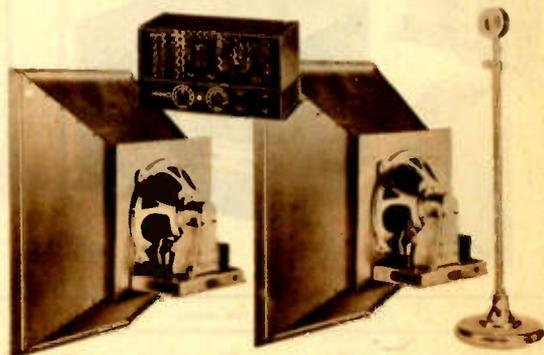
Uses Crystal Mikes Without Pre-Amplification

Quality Reproduction at Low Price

Ideal for the Average Sound System



An almost unbelievable frequency response is obtained from this amplifier which includes the output transformer.



Model 124-A-Lafayette 12-Watt Push-Pull 2A5 Class "A" Prime Amplifier, less tubes and output transformer. Dimensions: 7" deep x 16" wide x 8 1/2" high. Shpg. wt., 32 lbs. Code #17.50 Ardes. List price \$35.00. Your Cost.....

Model 125-A-Lafayette 12-Watt Amplifier, less tubes but with output transformer. Shpg. wt., 35 lbs. Code Aspro. List price \$41.80. Your Cost..... \$20.90

Kit of tubes. Your Cost..... \$5.55

System Model No. 164-P-Consists of one 124-A amplifier with tubes and output transformer, one XM13363 crystal microphone with floor stand and 12 ft. cable, two Lafayette AC P.A. speakers XW19375, two demountable baffles. Shpg. wt., 115 lbs. Code Paegel. List price \$149.00.

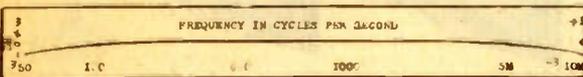
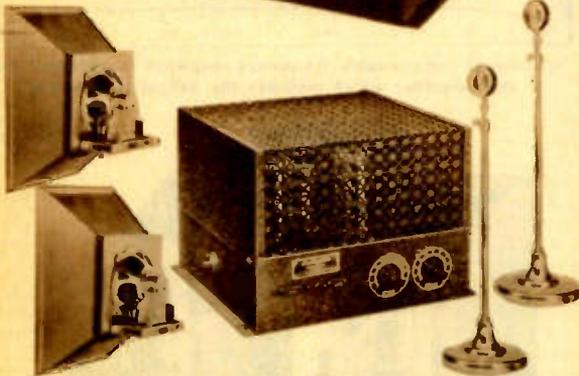
XY19858-Your Cost..... \$74.50

System Model No. 165-P-Consists of one 124-A amplifier with tubes and output transformer, two XM13363 crystal microphones, two floor stands, two 12 ft. cables, one Lafayette high fidelity AC speaker XW19301, one demountable flare baffle XY20053. Shpg. wt., 125 lbs. Code Poena. List price \$167.50. Your Cost..... \$83.75

System Model No. 166-P-Consists of one 124-A amplifier with tubes and output transformer, one XM13363 crystal microphone, one floor stand, one 12 ft. cable, two Lafayette high fidelity AC speakers XW19301, two flare baffles XY20053. Shpg. wt., 150 lbs. Code Polus. List price \$175.00. Your Cost..... \$87.50

# The Versatile High Gain Medium Power Amplifier

**Built-in Two Channel Mixer**  
**High Gain—Suitable for Use with Crystal Mike**  
**Full 15 Watts into 500 Ohm Line**  
**Low Harmonic Content**



The above curve illustrates the remarkable frequency response of this amplifier as measured into the 500-ohm line.

**Model 154-P—Lafayette Sound System**, consisting of Model 132-A Amplifier, one Model XM13363 crystal microphone with floor stand and 12 ft. cable, one Model XY220 dual speed phonograph turntable with crystal pickup, two Model XW19301 Lafayette High Fidelity AC type speakers, two Model XY20053 flare baffles, and all tubes. Shpg. wt., 185 lbs. Code Petio. List price \$250.00. **Your Cost** ..... \$125.00

**Model 155-P—Lafayette Sound System**, consisting of Model 132-A Amplifier, two Model XM13363 crystal microphones with two floor stands and two 12 ft. cables, four Model 19375 12-inch speakers with field supplies, four Model XY19838 flare baffles, and all tubes. Shpg. wt., 280 lbs. Code Pecos. List price \$245.00. **Your Cost** ..... \$122.50

**Model 155-P—Lafayette Sound System**, consisting of Model 132-A Amplifier, two Model 13363 crystal microphones with two floor stands and two 12 ft. cables, two Model 19375 Lafayette 12-inch speakers with field supplies and two Model 19838 flare baffles, and all tubes. Shpg. wt., 135 lbs. Code Pecio. List price \$89.50. **Your Cost** ..... \$49.50

## TECHNICAL CHARACTERISTICS

**Peak output** ..... 22 watts  
**Max. power into 10,000-ohm load**... 18 watts  
**Max. power into 500-ohm line**..... 15 watts  
**Harmonic content at rated max. outputs** 5¼%  
**Gain**..... 97 db      **Hum level**..... -50 db  
**Power consumption from line**..... 105 watts

THE demand for an inexpensive, medium-power, high-gain amplifier suitable for call systems, dance halls, small auditoriums, etc., has led Lafayette engineers to devote considerable time to the development of high gain circuits. Their efforts are reflected in the entire 1935 line of Lafayette amplifiers described in this catalog, and particularly in the Model 132-A 15-Watt Amplifier using push-pull 6B5's.

### Gain Enough for Crystal Mike

With the crystal type microphone gaining increasing favor because of its simplicity, wide frequency response and general convenience, enough gain has been built into the Model 132-A Amplifier to make the use of this type practicable without pre-amplification. Since the crystal mike does not require a local battery or a matching transformer, this arrangement also represents a saving in incidental accessories.

### Phase Inverter Circuit

Four stages of amplification are used. All the advantages of push-pull inter-stage amplification, without the disadvantages of inter-stage transformers, are made possible by a unique phase inverter system.

The circuit comprises a 6A6 electronic mixer, 76 voltage amplifier, 6A6 phase inverter and two 6B5's in push-pull in the output stage and a 5Z3 rectifier.

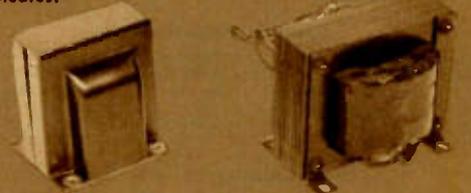
### Two Channel Mixer

Two input signals can be mixed under perfect control in the electronic mixer stage. This feature is important for many stage effects and for imposing a voice announcement into a musical program without actually cutting the latter off. The music volume is simply turned down, the mike volume up; after the announcement has been completed, the process is merely reversed. Many interesting effects can be obtained by manipulation of the controls.

### Honest Rating

The output of the Model 132-A Amplifier is 15 watts into a 500-ohm line, not merely into the plate impedance. At this output the harmonic content—the real indication of amplifier quality—is only 5¼%.

The Model 132-A Amplifier is supplied with or without an output transformer. Some idea of the relative size of the Lafayette transformer against the size of a so-called "15 watt" unit of competitive make may be obtained from the accompanying photograph. The actual transformer, inside the case, is even smaller than the picture indicates.



### Special Service on Sound Systems

Wholesale Radio offers a special service on sound systems. Its experienced sound technicians check each order to make sure the purchaser has made no mistakes. Then the actual system, including the amplifier and all accessories, is set up and operated. This thorough service is the purchaser's protection against annoying mistakes and delays.

A diagram showing the correct connections between parts is supplied with all systems.

The three systems listed below will serve most requirements for medium sized sound installations. Do not hesitate to write to us for recommendations if you think something a little different would be better in your own case.

**Model 132-A—Lafayette 15-Watt High Gain Push-Pull 6B5 Amplifier with Mixer**, less tubes and output transformer. Dimensions: 13¼" wide, 12" deep, 10" high. Shpg. wt., 42 lbs. Code Argos. List price \$47.90. **Your Cost** ..... **\$23.95**

**Model 133-A—Lafayette 15-Watt Amplifier**, with output transformer. Shpg. wt., 46 lbs. Code Argll. List price \$55.00. **Your Cost** ..... \$27.50  
**Kit of tubes for above amplifiers. Your Cost** ..... \$4.98

# The Semi-Portable Amplifier With Field Supply

## TECHNICAL CHARACTERISTICS

Peak output ..... 30 watts  
 Max. output into plate impedance . . . 25 watts  
 Max. output into 500-ohm line . . . . . 20 watts  
 Harmonic content at rated max. outputs . . 4%  
 Gain . . . . . 81.7 db    Hum level . . . . . -55 db  
 Power consumption from line . . . . . 180 watts

THE new Model 102-A Push-Pull Parallel 2A3 amplifier, with full output of 20 watts, was developed by Lafayette engineers to fill the specific demand that exists for a high quality sound amplifier capable of supplying field current to at least two powerful speakers. In fixed sound systems this is always a convenience, and in portable or mobile systems it is pretty much a necessity, as the additional weight of separate field supplies would add considerably to the overall weight of the outfit.

### Regulation of B Circuit Important

Attempts to draw the field current from the filter circuit of the plate supply system have, in general, been very unsuccessful, mainly for the reason that the average power pack requires low resistance chokes. The high resistance of the usual speaker field practically puts the amplifier itself out of commission.

### Class A Amplifier Most Adaptable

Lafayette engineers, after much study of the problem, decided on the use of push-pull parallel 2A3's in Class "A", as this system is about the only one that has satisfactory plate current characteristics. The current remains constant, and the plate supply regulation is therefore not dependent on the use of low resistance elements.

### Separate Circuit for Speakers

Do not confuse the field supply arrangement used in this Lafayette amplifier with ordinary systems in which the speaker fields merely replace filter chokes, and therefore carry pulsating rather than really filtered DC. The amplifier tubes receive their current from an independent filter circuit, not directly dependent on the speaker fields.

Speakers need not be purchased with the amplifier, as the latter is entirely complete by itself. However, two 2500 ohm auditorium type dynamics, each requiring up to 14 watts, may be added at any time and will be energized by the power circuit without the amplifier output being effected in the slightest way. The power transformer is an oversize unit designed especially for this heavy service. This 20 watt field supply, available in the Model 102-A Amplifier at no extra cost to you, has heretofore been available only in separate field exciters costing about \$15 apiece.

### Stabilized Bias Supply

Another innovation in the power system is provision for stabilized bias voltage to the 2A3's. This is obtained right off the regular pack, without an extra rectifier tube, and contributes noticeably toward the general stability and low harmonic content.

### Wide Range Quality

The accompanying frequency response curve and the listed harmonic content figure - only 4% - show that the Model 102-A Amplifier easily falls in the "wide range" class. As a matter of fact this amplifier is much better than any input device that will be connected to it. Convenient tone and volume controls are provided.

### Effective Tube Line-Up

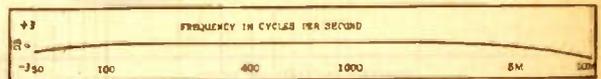
The tube line-up is impressive. A 57, connected as a triode, works into a 57, also triode connected, as a phase inverter. This feeds into two 53's in push-pull parallel, which in turn are transformer coupled to four 2A3's in push-pull parallel. A high quality output transformer is included in the amplifier. This has impedances from .7 up to 15 for voice coils and 250-500 ohm taps for line connections. The frequency response curve as usual was obtained with this transformer in actual use. Strong steel construction is used throughout in the Model 102-A. A screen cover protects the tubes and working parts.

Full 20 Watts Into 500 Ohm Line

Supplies Field Current to Two 14 Watt Fields

Ideal Unit for Portable Amplifiers

Low Harmonic Content



The "wide range" response of the semi-portable amplifier takes portable amplifiers out of the ordinary class.



Model 102-A—Lafayette 2A3 20-Watt Amplifier, less tubes. Dimensions: 8" deep x 18" wide x 10" high. Shpg. wt., 55 lbs. Code Argil. List price \$69.00.

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

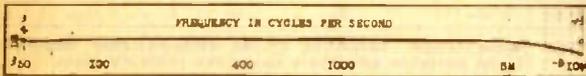
Kit of tubes far above amplifier: 2-57, 2-53, 4-2A3, 1-83. Your Cost ..... \$5.35

Sound System—Model 174-P—Consists of Model 102-A Amplifier, Model 350-P Electronic three-position mixer, two Model XW19300 Lafayette high-fidelity DC speakers with two Model XY20053 flare baffles, one Model XM13363 crystal microphone, floor stand, 12 ft. cable, and all tubes. Shpg. wt., 172 lbs. Code S. Penos. List price \$229.00. Your Cost ..... **\$114.50**

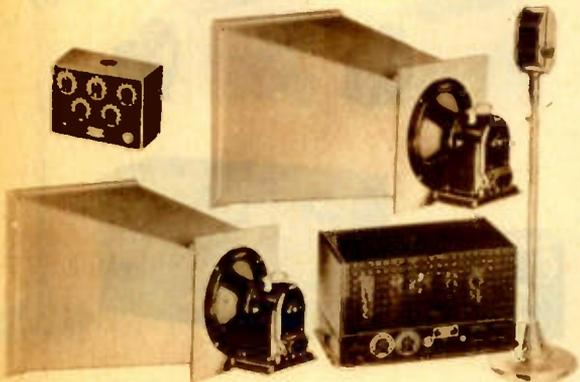
If phonograph reproduction is desired add \$27.50 to above price for dual speed portable with crystal pick-up.

# The Broadcast Type Auditorium Amplifier

**Employs Most Efficiency Amplification Known**  
**Fully Adequate for Auditorium Use**  
**"Wide Range" Frequency Response**  
**85 DB Gain Permits Use of Carbon Microphones Directly**



The system of amplification employed not only affords the highest efficiency but also "wide range" response.



**Sound System No. 151-P**—Consists of the Model 150-A Amplifier with tubes, two Model XM-13363 crystal microphones with floor stands and two 12 foot cables, one Model 350-P—three position mixer, six Lafayette 12" speakers with their own field supplies XW-19875, and six demountable baffles XY-19838. Shpg. wt. 320 lbs. Code Polea. List price \$397.00.  
**Your Cost** ..... \$198.50

**Sound System No. 152-P**—Consists of Model 150-A Amplifier with tubes, two Model XM-13363 crystal microphones with floor stands and two 12 foot cables, one Model 350-P—three position mixer, one Model XY-220 phonograph turntable with crystal pickup, four Lafayette high fidelity AC speakers, XW-19301, and four demountable flare baffles, XY-20053. All necessary tubes included. Shpg. wt. 340 lbs. Code Parol. List price \$435.00.  
**Your Cost** ..... \$217.50

## TECHNICAL CHARACTERISTICS

Peak output ..... 40 watts  
 Max. output into 6000-ohm load ..... 36 watts  
 Max. output into 500-ohm line ..... 30 watts  
 Harmonic content at rated max. outputs 6%  
 Gain ..... -85.3 db  
 Hum level ..... minus 67 db  
 Average drain from line ..... 150 watts

WHEN Class "B" amplification was introduced several years ago, very little practical design and operating information was available, and many sound technicians who used early amplifiers embodying the principle formed the unwarranted opinion that it was inferior to less efficient methods of amplification as far as quality was concerned. Time and experience have proved that the Class "B" principle is absolutely sound, and that unsatisfactory performance is usually due to haphazard construction or plain ignorance on the part of the designers. The latter foisted many badly made amplifiers on the market, with the result that Class "B" obtained a very poor reputation in the field.

## Broadcasting Stations Use Class "B"

Certainly there is no more convincing evidence of Class "B" effectiveness and desirability than its almost universal acceptance at high-powered, high-fidelity broadcasting stations using powers up to 500 kilowatts. Quality comes first, cost second, in these big stations, and they use Class "B" because it gives quality, and incidentally, gives it at low cost.

## Lafayette Has Always Recognized Class "B"

Lafayette engineers have always appreciated the true possibilities of Class "B" and have made some notable contributions to the art in the way of practicable, efficient, low-priced amplifiers to meet all sound applications. An example of their thorough knowledge of Class "B" principles is the new Lafayette Model 100-A Amplifier, illustrated herewith. This delivers full 30 watts into a 500-ohm line, with a harmonic content of only 6%. The frequency response curve, reproduced on this page, is unusually good, the response being off only 2.6 db at 12,000 cycles and .6 db at 30 cycles. This amplifier falls well within the "wide range" classification, and gives superlative reproduction of voice, phonograph music and radio programs.

## Three Stage Circuit

A 57 is direct coupled to a 59, which in turn drives a pair of 59's with an 83 rectifier. These three stages provide the high gain of 85.3 db and permit the use of a carbon microphone without pre-amplification. The hum level is minus 67 db. Tone and volume controls are included for convenience in adjustment.

## Lifetime Construction Throughout

Constructed of the best components on a rigid steel chassis, finished in mar-proof black crystalline enamel, the Model 100-A Amplifier will give long and trouble-free service. A screen cover, also of heavy steel, protects the tubes, provides plenty of ventilation and enhances the appearance of the whole instrument.

## Ideally Suited for Auditoriums

The Lafayette Model 100-A Amplifier, with its full 30 watts output, is well suited for the average auditorium, theatre, amusement hall, etc. With its oversize parts and proper ventilation, it can be kept running for hours at a time, and will require no attention.

Lafayette Model 100-A Amplifier, with output transformer having voice coil impedances of 7 to 15 ohms and line impedances of 250-500 ohms, but without tubes. Dimensions 11 1/2" deep, 20" long, 10" high. For operation of 110-115 volts, 50-60 cycles AC. Shpg. wt., 90 lbs. Code Archi. List price \$79.50.  
**Your Cost COMPLETE WITH TUBES** ..... **\$39.75**

## Complete Sound Systems

Three systems using this amplifier as the basic unit are suggested below. If you have a particular installation problem, do not hesitate to write to us for consultation; the advice is free and we want to help you.

**Sound System No. 150-P**—Illustrated herewith is a coordinated sound system of great effectiveness. It consists of the Model 150-A Lafayette 30 Watt Amplifier with tubes, one professional Model XM-13486 Amperite velocity microphone with floor stand and 25 feet of cable, one Lafayette Model 350-P three position mixer, two Lafayette high fidelity AC speakers XW-19301 and two Model XY-20053 large flare baffles. Shpg. wt., 220 lbs. Code Perco. List price \$345.00.  
**Your Cost** ..... **\$172.50**

# The Stadium Type Power Amplifier

## TECHNICAL CHARACTERISTICS

Peak output ..... 100 watts  
 Max. output into 3000-ohm load..... 75 watts  
 Max. output into 500-ohm line..... 60 watts  
 Harmonic content at rated max. outputs 4%  
 (5% total with recommended 2A3 driver)  
 Gain ..... 14 db (95.0 db with rec. driver)  
 Hum level ..... -51 db  
 Power consumption from line avg. 210 watts

A SOUND amplifier with plenty of "sock" is needed in armories, athletic stadiums, race tracks, etc., in order to override the high local noise level created by people, animals and vehicles. For applications of this kind, the Lafayette Model 104-A 60-Watt Class "B" Amplifier is recommended, as it has a conservatively rated output of 60 watts into a 500-ohm line, and 60 watts of electrical energy converted into sound is a lot of sound. This enormous output has been obtained with a harmonic content of only 4% for the amplifier itself and a total of only 5% for the amplifier plus the recommended driver—an accomplishment that bespeaks Lafayette engineers' mastery of Class "B" principles.

### Exceptional Frequency Response

As indicated by the curve, the response of the 60-Watt Amplifier with Driver is virtually flat from 50 to 8000 cycles and is actually up only 1.2 db at 10,000 cycles. The hum level is minus 51 db. Thus the loud speakers connected to this amplifier reproduce high-quality voice and music and not merely noise, as is the case with many so-called "high power" amplifiers in which high outputs are achieved at the expense of frequency response and distortion.

### Economy in Operation

The Lafayette policy of using receiving type tubes instead of expensive transmitting types means that both the initial cost and the upkeep of this amplifier are low. The tubes employed are obtainable everywhere—four type 59's and two type 83's. Every user of the amplifier can well afford to keep a brace of spare tubes on hand all the time, as the investment in them is so slight.

### Special Input Transformer

A special input transformer is provided, so that the amplifier may be driven either from a 500-ohm line or directly from the plates of a pair of 2A3 tubes. The latter tubes are used in the Lafayette Model 356-P Driver-Amplifier, which is recommended for use with this 60-watt unit. See page 50 for data on this driver.

### Oversize Parts Carry Full Load Easily

Whether operated at room volume or ball-park level, the 60-Watt Amplifier carries the load without the slightest strain on any part. All parts are capable of carrying twice as much current as they do with peak output from the system; this is your guarantee of reliable, trouble-free operation at all times. The chassis is of heavy steel, with a protective screen cover, finished overall in the famous Lafayette black crackle. We have checked this 60-Watt Amplifier against some competitive 100-watt jobs, and found that it actually weighs more! Your first look at this husky instrument will convince you that Lafayette engineers have allowed a wide margin of safety all around.

The power transformer of the Lafayette 60-Watt Amplifier was much larger than the corresponding unit of a so-called "100-watt" amplifier that was analyzed in the Lafayette laboratory. In proportion to the load, the filter system of the Lafayette amplifier was fully two and a half times the size of the "100-watt" outfit. If only prospective purchasers of sound equipment could make these comparisons themselves they would understand why Lafayette sound equipment is rapidly forging ahead to leadership.

### Excellent for Modulator Service

The Lafayette Model 104-A 60-Watt Amplifier makes an efficient, high-quality modulator for amateur or small broadcast transmitters. As it contains its own power supply, it can be added to existing C.W. outfits without disturbing anything more than one plate lead. A special output transformer has been designed for this purpose. Write for prices and further details, and describe the transmitter you have in mind.

### Complete Sound System with Mixer

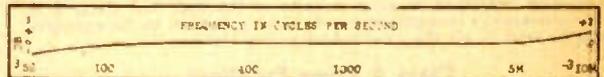
With the complete sound system illustrated, using the 60-Watt Amplifier, sound intelligence can be projected to crowds as great as 50,000. Speech through a microphone or music from records will be clear and clean cut and perfectly understandable to everyone. The smooth operation of this system is due to the care with which Lafayette engineers have selected and coordinated all the components. The Lafayette Electronic Mixer (patents pending) permits voice and music to be blended together with perfect, noiseless control. The speakers are special high power units and are completely weatherproof. Complete operating instructions, and also the services of our experienced sound experts, are avail-

Volume Coverage for 50,000 People

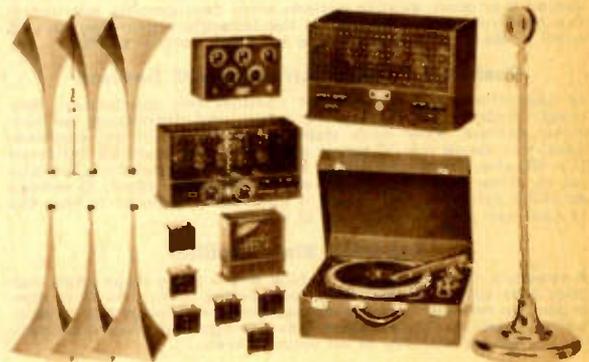
Uses Inexpensive Receiving Type Tubes

Perfect Reproduction at Full 60 Watt Output

Excellent as a Radiophone Modulator



A high power amplifier with an equalized characteristic. Actual response of amplifier and driver.



able. The above system is offered as a typical layout; however, it must be realized that the application of an amplifier layout of this size cannot be handled in a haphazard manner, but must be studied very carefully.

Lafayette Model 104-A 60-watt Amplifier, less tubes but with 500-5000-ohm primary impedance input transformer and 250-250-500-ohm secondary output transformer. Dimensions: 11 3/4" deep, 19 3/4" wide, 12" high. Shpg. wt., 95 lbs. Code Ancept. **\$59.75**

List price \$119.50. Your Cost.....

Kit of tubes for above amplifier. Your Cost..... **\$3.90**

Complete Sound System No. 160-P—Consists of Lafayette Model 104-A 60-Watt Amplifier, one Model XM13363 piezo microphone with floor stand and 12 ft. cable, Lafayette Model 356-P 2A3 Driver, Model 350-P electronic mixer, Model XY220 portable turntable with crystal pick-up, six Lafayette super giant Model Y20046 speaker driving units with matching transformers, six 6 ft. Model L-72 weatherproof trumpets with six field exciter units, and all necessary tubes. Shpg. wt., 610 lbs. Code Pipor. **\$475.00**

List price \$950.00. Your Cost.....

# The High Gain Auditorium Amplifier



## TECHNICAL CHARACTERISTICS

**Peak output** ..... 48 watts  
**Max. output into 2500-ohm load**... 36 watts  
**Max. output into 500-ohm line**... 30 watts  
**Harmonic content at rated max. outputs** .5%  
**Gain** ..... 94 db     **Hum level** ..... -58 db  
**Power consumption from line**... 180 watts

**M**ANY sound technicians have a strong preference for Class A and A Prime amplifiers using tubes of the triode type. They seem to fight shy of Class B systems and pentodes, probably because they had bad experiences with early Class B amplifiers that were put on the market before the principles and true possibilities of this method were fully understood by engineers. This prejudice continues to exist in spite of the fact that Class B is now universally recognized for its quality as well as its economy and is used in all the new broadcasting stations.

## Class A Prime Excellent

For those who prefer Class A and triodes, which certainly are excellent, Lafayette engineers have designed a fine 30-Watt amplifier using push-pull parallel 45's in Class A prime. This is the result of considerable research on type 45 amplifiers, which revealed that many existing systems were considerably over-rated. The best circuit investigated in the laboratory provided only 25 watts at the maximum allowable harmonic content of 7%.

## Push-Pull Parallel Arrangement Devised

As Lafayette engineers did not consider this satisfactory, they sought means of increasing the output and decreasing the harmonic content. After much study of driver and output combinations, they found that 30 actual watts of power could be delivered to a 500-ohm line by the use of 45's in push-pull parallel. The tube set-up in the final amplifier is: one 53 electronic mixer, 53 voltage amplifier driving a 2A3, which is transformer coupled to four 45's in push-pull parallel, with an 83 rectifier.

## Separate Bias Rectifier

A separate rectifier, using a 45 tube and a three-stage filter, supplies bias voltage to the driver and output tubes. The filter comprises two receiver type chokes and three condensers and is absolutely noiseless. This separate bias arrangement gives the amplifier rockbound stability at all volume levels.

## Wide Range Quality

The accompanying frequency response curve shows that the Model 115-A 30-Watt Amplifier is a wide-range unit. The response is down only .4 db at 50 cycles and 3 db at 10,000 cycles. Reproduction of radio, microphone and pick-up signals is clean and crisp at all volumes.

## Output Transformer Included

A high-quality Lafayette output transformer is furnished as a permanent part of the amplifier. The frequency response curve was taken with this transformer in the circuit, so it is a true picture of the amplifier's performance. The secondary has .7 up to 15 ohm secondaries for voice coil connections, and a 250-500 ohm winding for line work.

## Two Position Mixer

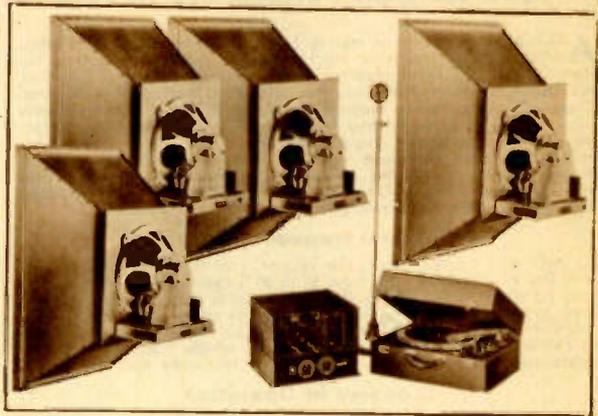
In comparing the price of the Lafayette Model 115-A 30 Watt Amplifier with similar amplifiers, the reader should note carefully that it includes a Lafayette two-position electronic mixer (patent pending). This permits unusually smooth control of two inputs, and

Low Tube and Operating Cost

Uses Crystal Mikes Directly

Built-in Two Position Mixer for Easy Control

Wide Range Quality for Auditoriums and Theatres



An auditorium amplifier with a frequency response which is superior to many so-called "high fidelity" amplifiers.

is particularly valuable in superimposing a voice announcement on a musical program without interrupting the latter. For theatrical effects this mixer will prove very valuable and effective.

## For Auditorium and Theatre Use

The full usable output of 30 watts makes the Lafayette Model 115-A Amplifier ideal for school auditoriums, theatres, dance halls, indoor skating rinks and swimming pools. The high gain of 94 db allows the use of carbon and crystal type microphones without pre-amplification.

## Standard Lafayette Steel Construction

With a strong chassis of heavy steel and a screen cover to protect the tubes, the Model 115-A Amplifier conforms to the usual high Lafayette standard of construction. All controls are placed for convenient manipulation.

## Amplifier Systems

Several excellent amplifier systems are suggested below. As with all Lafayette systems, these are set up and tested thoroughly in our sound auditorium before shipment is made.

Lafayette Model 115-A 30-Watt Push-Pull Parallel 45 "A" Prime Amplifier, complete with two-position mixer and output transformer, less tubes. Dimensions: 12" deep x 13" wide x 10" high. Shpg. wt., 57 lbs. Code Aeris. List price \$89.50. **Your Cost** ..... **\$44.50**

Kit of tubes for above amplifier: 2-53, 1-2A3, 5-45, and 1-83. **Your Cost** ..... **\$4.85**

System No. 170-P—Consists of Model 115-A Lafayette 30-Watt Amplifier as described, with two-position mixer and all tubes, one Madel XM1363 crystal microphone, floor stand, and 12 ft. cable, two Lafayette high fidelity AC speakers with two flare type baffles 20053. Shpg. wt., 190 lbs. Code Paria. **Your Cost** ..... **\$115.00**

System No. 171-P—Consists of Model 115-A Lafayette Amplifier, Madel XM1363 crystal microphone with stand and 12 ft. cable, dual speed phonograph portable turntable with crystal pick-up, four 12" Lafayette AC Model XW19875 P.A. speakers and four demountable type baffles. Shpg. wt., 190 lbs. Code Paile. **Your Cost** ..... **\$160.00**

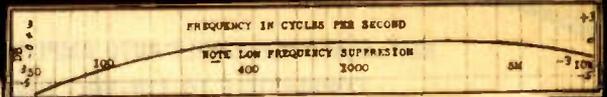
# Complete Wide Range Theatre Amplifiers



## TECHNICAL CHARACTERISTICS

Peak output .....	23 watts
Max. output into 10,000-ohm load .....	18 watts
Max. output into 500-ohm line .....	15 watts
Harmonic content .....	5 1/2%
Gain .....	103 db
Hum level .....	-55 db
Power consumption .....	105 watts

ALTHOUGH it measures only 14 1/2" x 8 3/4" x 9" high overall, the Lafayette 15 Watt Theatre Amplifier contains all the features previously found only in large rack-and-panel outfits. The circuit has the enormous amplification of 103 db, permitting the use of a crystal microphone for announcing purposes without the necessity for a pre-amplifier. The unit has separate voltage control for two photo-cell inputs, separate connections for sound-on-disc or mike input, and a changeover switch to permit quick shifting from p.e. cell to microphone. All controls are on front panel of amplifier.



The model 120-A amplifier with equalization affords a frequency response ideal for sound-on-film reproduction.

## SUITABLE FOR PORTABLE USE

The compactness of this amplifier make it suitable for portable movie-sound systems. No extra power pack is needed for the loud speakers, as the amplifier itself supplies 10 wotts of field current to a single 1000 ohm speakers or 5 wotts to two 2,000 ohm speakers. The usual range of output impedances is available: .7 to 15 and 250-500 ohms.

The amplifier supplies exciter lomp current for either 8-volt loms at 4 amperes or 10-volt loms at 7.5 amperes, and has provisions for two separate loms, with a switch for throwing in either at will. Another switch controls the exciter circuit independently, so that the loms can be extinguished when sound-on-disc or microphone input is used.

Two six-foot, low-capacity cables are provided for the photo-cell connections. These cables are specially impregnated against moisture and leakage, a precaution that prevents considerable trouble in the high impedance cell circuit.

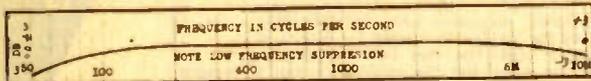
## ULTRA HIGH GAIN CIRCUIT

The exceptionally high gain and excellent frequency response of the 15 Watt Amplifier are due to a circuit developed by Lafayette engineers. This uses a 57, a 53, two 6B5's and one 83. The response of the low frequencies has been deliberately altered to compensate for the peculiar characteristics of sound-film. The high frequency response may be further attenuated by a tone control on the front panel of the amplifier.

This 15-Watt Amplifier is designed for standard 35 mm systems; a special model for 16 mm outfits is available.

**Lafayette Model 120-A-15 Watt Theatre Amplifier, less tubes.**  
 Dimensions: 15" wide x 8 3/4" deep x 9 1/4" high. Shpg. \$59.50  
 wt., 45 lbs. Code Unkas. List price \$119. Your Cost... **\$59.50**  
 Kit of matched tubes: 1-57, 1-53, 2-6B5, 1-5Z3.  
 Shpg. wt., 2 lbs. Your Cost... **\$4.25**

## A New and Finer HIGH POWER MODEL for the LARGER THEATRES



"Wide range" frequency response combined with high power now possible for sound-on-film reproduction.

## TECHNICAL CHARACTERISTICS

Peak output .....	48 watts
Max. output into 6000-ohm load .....	36 watts
Max. output into 500-ohm line .....	30 watts
Harmonic content .....	5 1/2%
Gain .....	106 db
Hum level .....	-66 db
Power consumption from line .....	170 watts

FOR larger size theatres requiring more sound energy than can be supplied by the 15-Watt Amplifier, the general purpose Lafayette 30-Watt outfit will be found very effective. We have distributed many amplifiers of both types and we will be glad to help you make the correct choice for any particular installation.

## NO PRE-AMPLIFICATION NEEDED

No pre-amplification is required with this wide-range amplifier for either sound-on-film or crystal microphone reproduction, as the gain is 106 db. The low frequency response has been altered to compensate for sound film characteristics as shown by the above curve. The circuit employs a 57 coupled to a 56, which in turn works into a 59 driving a pair of 59's in the output stage. An 83 rectifier supplies plate current.

Theatre work demands an amplifier that will give unfoiling service day after day. Lafayette engineers have built the 30-Watt Amplifier with this consideration in mind.



## COMPLETE PHOTO CELL EQUIPMENT

Two polarized receptacles are provided for connection of the photo cells. Both cell polarization and exciter lamp current is supplied by the amplifier. A change over switch is provided on the front panel for swinging from one projector to the other.

The amplifier supplies exciter lamp current for either 8-volt loms at 4 amperes or 10-volt loms at 7.5 amperes, and has provisions for two separate loms, with a switch for throwing in either at will.

Two six-foot, low-capacity cables are provided for the photo-cell connections. These cables are specially impregnated against moisture and leakage, a precaution that prevents considerable trouble in the high impedance cell circuit.

**Lafayette Model 121-A-30-Watt Theatre Amplifier, less tubes.**  
 Dimensions: 11 1/4" deep x 19 1/2" wide x 11 1/4" high overall. Shpg. wt., 95 lbs. Code Arcus. List price \$149.00.  
 Your Cost... **\$74.50**  
 Kit of matched tubes. Your Cost... **\$3.65**

# Combination MOBILE and STANDARD AMPLIFIERS

NEW, VERSATILE 6-VOLT AUTO AMPLIFIERS—  
CONVERTIBLE TO 110-VOLT USE

IN designing their 1935 line of six-volt auto amplifiers, Lafayette engineers attacked the situation from a new angle. They knew from previous experience that most auto amplifiers are actually used only a few weeks during the year, usually for ballyhoo purposes around election time, and that they gather dust the rest of the time. Obviously, then, a straight six-volt amplifier is a rather poor investment for the service man who expects to make a decent return on his money.

## 110-VOLT CONVERSION ESSENTIAL

Realizing this, Lafayette engineers designed their new auto amplifiers, ranging from 12 to 25 watts, in such a way that they can also be used on 110 volts AC, with a separate little power pack. Not a single wire or part in the amplifier itself is disturbed; all the user has to do is change the connecting plugs. The extreme value and importance of this arrangement becomes evident instantly. Any of the three new Lafayette auto amplifiers can be used just as effectively in auditoriums, theatres, meeting halls, etc., as in cars. Furthermore, there is nothing to prevent the user from carrying the AC pack in the car and stringing a flexible line to an AC outlet in some nearby store or roadside stand, if the opportunity presents itself; the car battery is thus relieved of a necessarily heavy load.

## Latest Innovation in COMPACT AMPLIFIERS Leads New Line of COMBINATION UNITS!

### TECHNICAL CHARACTERISTICS

Peak output ..... 18 watts  
Max. output into plate impedance ..... 15 watts  
Max. output into 500-ohm line ..... 12 watts  
Harmonic content at rated max. outputs 6%  
Gain ..... 104 db  
Power consumption 14 amperes  
from 6 volt battery

### New Remote Control Six-Volt Mobile Amplifier Ideal for Small Car Systems—Uses Crystal Mike

THE Model 135-A Lafayette Remote 6-Volt Amplifier is ideal for the service man who owns a small car and needs a compact unit he can operate himself from the driver's position on those occasional but well-paying outside ballyhoo jobs. The whole amplifier, including plate supply dynamotor, measures only 12" x 7 1/4" x 7 1/2" and mounts to the engine bulkhead by means of a single heavy bolt. The line switch and pilot light are on the case, but the volume control is remote-controlled by a flexible shaft to a control head on the steering column. A switch on the unit permits the generator to be shut off between announcements, thus saving battery current.

### CRYSTAL MIKES USED DIRECTLY

The tremendous gain of 104 db is made possible by a circuit using a 6C6 voltage amplifier, 6A6 phase inverter and two 6B5's. This means that crystal type microphones and phonograph pick-ups can be used directly without pre-amplification. The Model 135-A Amplifier includes an output transformer with 7 up to 15 ohms and 250-500 ohm windings for the usual voice coil or line connections.

Model 135-A—Lafayette Auto Amplifier, with remote control unit. Less tubes. Dimensions: 12" wide x 7 1/4" deep x 7 1/2" high. Shpg. wt., 25 lbs. List price \$79.00. Your Cost..... **\$39.50**

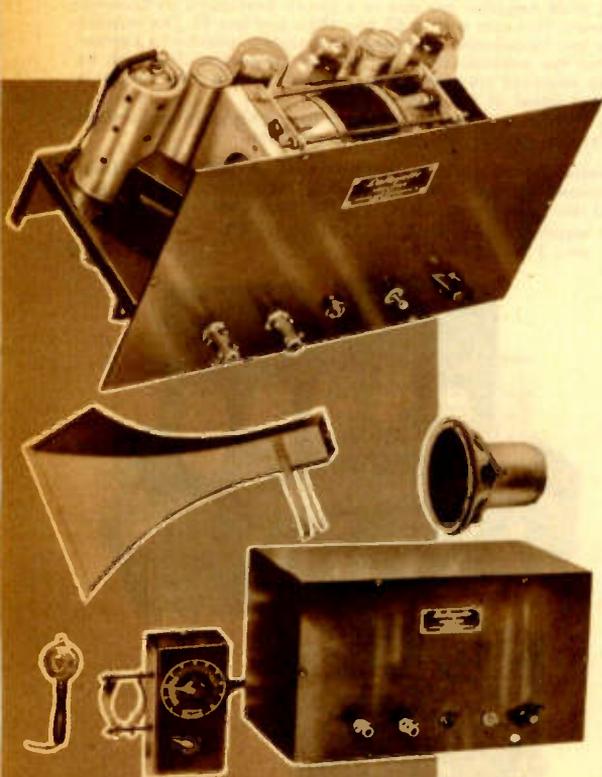
Kit of tubes for above amplifier: 1-6C6, 1-6A6, 2-6B5. Your Cost..... \$3.77

Model 361-P—Special AC Power Pack for Model 135-A Amplifier. With 83 rectifier tube. Dimensions: 8 1/4" wide x 6 1/2" deep x 6 3/4" high. Shpg. wt., 23 lbs. List price \$16.50. Your Cost..... \$8.25

### SYSTEMS ARE SIMPLE

As the high inherent gain of the Model 135-A Amplifier obviates the necessity for a cumbersome pre-amplifier. This complete sound system for a small pleasure car is simple and compact. The system suggested below will meet the requirements of the majority of installations.

Sound System No. 185-P—Sound System, consisting of Model 135-A Amplifier with tubes, one Model XM13476 hand crystal microphone with 12 ft. cable, one XY29041 Lafayette 6-volt cone unit and one vari-acoustic 6 ft. trumpet. Shpg. wt., 90 lbs. Code Piler. List price \$167.00. Your Cost..... **\$83.50**



Very often frequency response is sacrificed for some feature such as flexibility not so here!

Model 360-P—Special 110-volt AC field supply for 6-volt speakers. Delivers 6 volts at 3.5 amp. Designed especially for use with 6-volt DC-110-volt AC P.A. System Speakers. Will supply field current for three 6-ohm units. Shpg. wt., 11 lbs. Dimensions: 12" wide x 6" deep x 4 1/2" high. **\$14.50**  
List price \$29.00. Your Cost

Mounts  
with  
only  
one  
bolt

# for Every Purpose! Instant Conversion from 6 Volts to 110 Volts Operation!

Two-Position Mixer Optional  
Use Crystal Mike without Pre-Amplifier

## MODEL 136-A 15-WATT AUTO AMPLIFIER

### Technical Characteristics

Peak output .....	24 watts
Max. output into plate impedance .....	18 watts
Max. output into 500-ohm line .....	15 watts
Harmonic content .....	6% Gain .....
Power consumption 96 watts .....	16 amp. from 6-v. battery

FOR regular sound trucks carrying several large trumpets, an output of at least 15 watts is necessary for satisfactory coverage of crowds. The Model Lafayette 15-Watt Auto Amplifier fills the bill nicely.

### NEW APPLICATION OF TYPE 6A6 TUBE

The circuit comprises two 6C6's in an electronic mixer stage, 53 voltage amplifier, 59 driver and two 6A6's. The latter are used in an exclusive Class B circuit developed by Lafayette engineers. Note that where we say "15 watts," we mean 15 watts of useful power into a 500-ohm line.

Model 136-X—Lafayette 15-Watt Auto Amplifier, with output transformer, but less tubes and less mixer. Dimensions: 14 $\frac{1}{2}$ " wide x 10 $\frac{1}{4}$ " deep x 8 $\frac{1}{4}$ " high overall. Shpg. wt., 43 lbs. Code Arras. List price \$67.50.

Your Cost ..... **\$33.75**

Kit of tubes for above amplifier: 2-6C6, 1-53, 1-59, 2-6A6. Your Cost..... \$4.00

Model 136-A—With Two-Position Mixer, built into the amplifier, allows easy mixing of phonograph music and voice. List price \$79.00. Your Cost..... \$39.50

Model 362-P—Special AC Power Pack for Model 136-A Amplifier. Dimensions: 12" wide x 7 $\frac{1}{4}$ " deep x 6 $\frac{3}{8}$ " high overall. With 83 rectifier tube. Shpg. wt., 27 lbs. List price \$16.50. Your Cost \$8.25

Sound System No. 186-P—Using Model 136-A 15-Watt Amplifier with tubes, one Model XM13476 crystal hand microphone with 12 ft. cable, two Lafayette 6-volt driving units and two Lafayette vari-acoustic trumpets. Shpg. wt., 165 lbs. **\$107.50**  
Code Pelfre. List price \$218.00. Your Cost.....

New Development Provides Maximum  
Output from Battery Source  
High Gain Circuit Uses Crystal Mike  
Directly with Two-Position Mixer

## MODEL 137-A LAFAYETTE 25-WATT AUTO AMPLIFIER

### Technical Characteristics

Peak output .....	42 watts
Maximum power output into plate impedance .....	31 watts
Maximum power into 500-ohm line .....	25 watts
Gain .....	96 db
Power consumption 120 wts., or 20 amp. from 6-v. battery	

FOR the busy sound truck that is sent to large outdoor meetings, athletic events, etc., the 25 watts of power delivered by the Lafayette Model 137-A Auto Amplifier will prove very effective. This extra heavy amplifier represents about the limit in 6-volt units; the next step is a truck with a self-contained gasoline engine driven generator to feed an AC amplifier.

### BATTERY FLOATS ON LINE

During normal operation of this amplifier, it is necessary to keep the engine of the car running, so that the battery floats across the generator output and is not called on to supply much actual current.

The tubes used are a 6A6 as electronic mixer, 53 voltage amplifier, 59 driver and four 79's in the output stage of an exclusive Lafayette circuit. A two-circuit mixer is included, and also an output transformer.

When converted to AC operation by means of the special power pack, this amplifier is fine for large theatres, halls, auditoriums, etc.

Model 137-A—Lafayette 25-Watt Auto Amplifier, with output transformer but less tubes. Dimensions: 18" wide x 9 $\frac{1}{2}$ " deep x 10 $\frac{3}{4}$ " high overall. Shpg. wt., 63 lbs. Code Arsis. List price \$129.50.

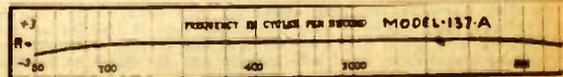
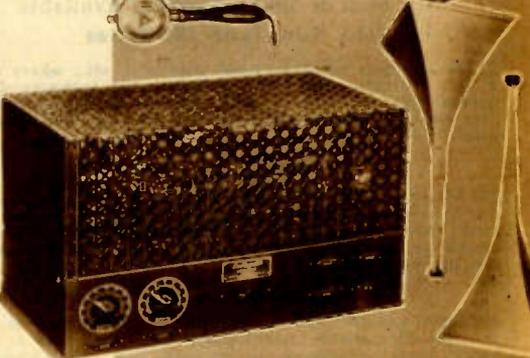
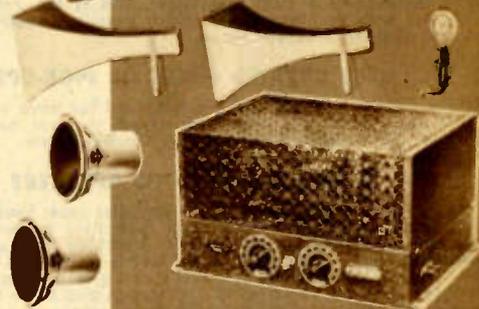
Your Cost ..... **\$64.75**

Kit of tubes for above amplifier: 1-6A6, 1-53, 1-59, 4-79. Your Cost..... \$6.00

Model 363-P—Special AC Power Pack for Model 137-A Amplifier, with 83 rectifier tube. Dimensions: 12" wide x 7 $\frac{1}{4}$ " deep x 7 $\frac{1}{2}$ " high. Shpg. wt., 29 lbs. List price \$25.00. Your Cost..... \$12.50

Sound System No. 187-P—Using Model 137-A Amplifier, with tubes, Model crystal hand microphone with 12 ft. cable, two Lafayette Super-giant driving units Z20046 and two Lafayette starmpraf 6 ft. trumpets ZX420047. Shpg. wt., 200 lbs. Code Pilus. **\$179.50**  
List price \$359.00. Your Cost.....

Note - See page 76 for 6-volt Phono equipment.



# Complete PORTABLE Sound Systems

## MODEL 140-A 2A3 20-WATT PORTABLE

- First High Fidelity Portable
- First Portable with 3-Position Mixer
- First Portable with Crystal Microphones

In most "portable" amplifiers weight has heretofore been considered the most important factor, and many sacrifices have been made in tone quality, convenience and general operating effectiveness. Lafayette engineers decided that since most "portable" amplifiers are heavy even at best, there is no sense skimping on important parts, and they went about building a portable outfit that is fully the equal of any similar fixed installation.

### HIGH QUALITY 2A3 UNIT USED

The Model 140-A Push Pull Parallel 2A3 20 Watt Amplifier, described in detail on page 55 of this catalog, is mounted in a strong carrying case along with the well known Lafayette Model 350-P three-position Electronic Mixer. This is the only portable amplifier with the latter unit, which permits smooth, effortless control of three separate inputs.

### USES CRYSTAL MIKES OR PICK-UPS

As the Electronic Mixer and the 2A3 amplifier have a total gain of 96 db, crystal type microphones and pick-ups can be used directly. Three channels can be used simultaneously.

### MATCHING LINES TO SPEAKERS

A separate case, identical with the amplifier case, houses two 12" high fidelity dynamics, which draw their field current from the amplifier. They are each fitted with matching transformers and connect to the amplifier proper by means of 500-ohm lines; thus they operate under ideal conditions and give superlative reproduction. (They are good up to 7,000 cycles and down to 40.) The case is of split construction, each large side acting as a self-supporting baffle for a speaker unit. The connecting cables are 50 ft. long, permitting placement of the speakers a distance from the amplifier.

### STRONG CASES WILL WITHSTAND ROUGH SERVICE

The carrying cases are of strong 3/8" thick plywood, covered with black leatherette and fitted with metal corner pieces. They were especially designed for the purpose and will withstand all kinds of abuse.

All operating controls are on the front of the amplifier case panel, for easy manipulation.

Model 140-A—20 watt portable as described including both cases, amplifier, mixer and all necessary plugs and cables. Dimensions of each case, 19 1/2" x 18 1/2". Shpg. wt., 175 lbs. Net wt., 114 lbs. Less tubes and microphone. Code  
Astro. List price \$199.00. Your Cost..... **\$99.50**

Kit of tubes for above amplifier. Your Cost..... **\$8.88**

Model XM13552—Crystal Microphone, with floor stand and 12 ft. cable. Shpg. wt., 28 lbs. List price \$22.50. Your Cost..... **\$18.25**

Model XM1551—Special collapsible mike stand. Cost..... **\$7.55**

Model XT72062—Dual speed phonograph turntable with crystal pick-up. Shpg. wt., 23 lbs. List price \$55.00. Your Cost..... **\$27.50**

## MODEL 141-A SINGLE CASE PORTABLE AMPLIFIER

- Ideal for Window Advertising
- Dual or Single Speaker Available
- Uses New Type 6B5 Tubes

FOR ballyhoo purposes, small meetings, etc., where a medium size portable amplifier is sufficient, we recommend the new Lafayette Model 141-A Portable, which is of the single case type. This uses the Lafayette Model 110-A 6B5 Amplifier, described on page 52 of this catalog.

### SPEAKERS ON CASE

The front and back of the case each hold an 8" dynamic speaker, and form self-supporting baffles. The connecting cables are 25 ft. long. The case measures 15 inches square and 10 inches deep closed up for carrying. The outfit is supplied with either one or two speakers.

### SELF-CONTAINED MIKE SUPPLY

A special compartment is provided inside the case for two dry cells for microphone current. Either a single button or a double button hand microphone may be used. A matching transformer is included.

This portable amplifier takes up very little room and can be carried very easily in any passenger car. It can be set up in a minute and gives excellent service. The service man will find it a good investment, as it will quickly pay for itself on its first half dozen jobs.

## AN AUDITORIUM PORTABLE



## A UTILITY PORTABLE



Model 141-A—Lafayette Portable, with one speaker less tubes. Dimensions: 15"x15"x10". Shpg. wt., 50 lbs. Net wt., 30 lbs. Code Aigre. List price \$58. Your Cost **\$29.00**

Model 142-A—Lafayette Portable with two speakers less tubes. Shpg. wt., 55 lbs. Net wt., 35 lbs. Code Aigre. List price \$67.00. Your Cost..... **\$35.50**

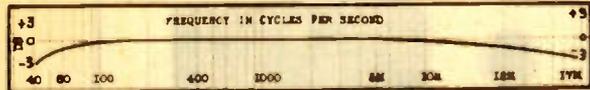
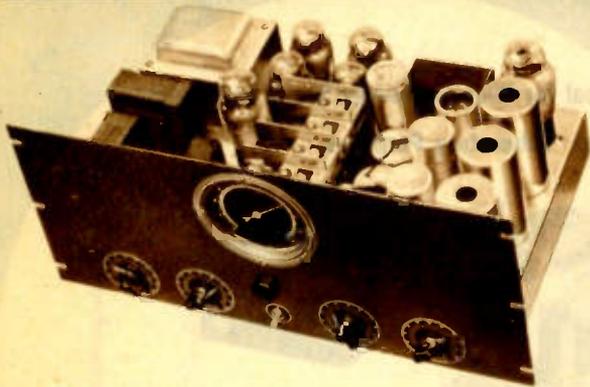
Model XM 13553—Desk Stand with 12 ft. cable. Shpg. wt., 7 lbs. List price \$5.00. Your Cost..... **\$2.45**

Model XM 13592—Double Button Microphone. Shpg. wt., 3 lbs. List price \$11.50. Your Cost..... **\$4.85**

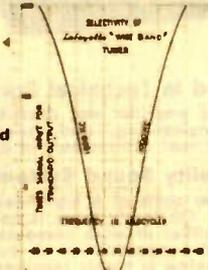
Kit of tubes. Your Cost..... **\$2.29**

Model XM13554—Double Button Microphone with floor stand and 25 ft cable. Shpg. wt., 28 lbs. List price \$21.90. Your Cost..... **\$10.95**

# for EVERY PLACE and PURPOSE!

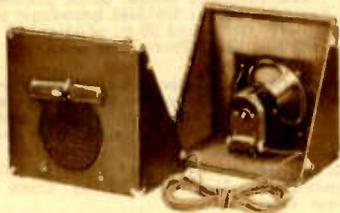
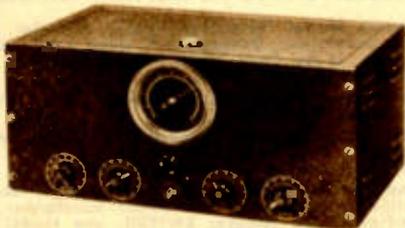


The "high fidelity" characteristic of the audio portion excels by far the quality of the input sources employed.



The wide band width of the tuner portion affords real radio high fidelity

The flat top characteristic afforded by the diode detector means perfect quality



## Systems

**System No. 180-P**—Consists of Model 158-P Combination with tubes, Model XM1352—Crystal microphone with floor stand and 12 ft. cable, two Lafayette Model XW19301 12" High-Fidelity AC speakers in carrying case measuring 19½" wide, 13½" deep x 19" high, with their own field supplies and 50 ft. cables as described with portable system 140A. Shpg. wt., 180 lbs. Code **\*169.50** Picco. List price \$339.00. Your Cost

**System No. 181-P**—Consists of Model 158-P Combination Unit with tubes, Model XX220 dual speed phonograph turntable with crystal pick-up, Model XM13468 professional velocity microphone with floor stand and 25 ft. cord, and two High-Fidelity 12-inch speakers in case as described. Shpg. wt., 214 lbs. Code **\*245.00** Picco. List Price \$490.00. Your Cost

## HIGH FIDELITY SEMI-PORTABLE SOUND SYSTEM

- A Complete High Fidelity Sound System
- TRF Radio Tuner Covers 7000 Cycle Band
- Easy to Install—Completely Self-Contained
- Self-Contained 3-Position Mixer
- Operates Crystal and Velocity Microphones

FOR versatility and all-round usefulness there is nothing on a level with the new Lafayette Model 158-P High-Fidelity Radio-Audio Combination Unit. A single steel case (finished in black crackle) contains a complete portable sound system, pre-amplifier, three channel mixer, and high-fidelity radio tuner, yet it measures only 19" x 8¼" x 12" overall! From the outside this looks like an ordinary radio receiver, but inside it is a really ingenious instrument that represents a lot of careful work by Lafayette engineers.

### TRF RADIO TUNER

As high fidelity reception, and not DX, is desired, a broadband T.R.F. tuner is used and gives marvelous reproduction of the new high fidelity stations. Responding to a full band width of 7,000 cycles, this tuner, working through the associated audio amplifier, gives quality of reproduction comparable to that afforded by high grade crystal microphones and pick-ups. This is accomplished in an exclusive Lafayette Developed Circuit.

### SENSITIVITY ENOUGH FOR GOOD RECEPTION

The radio tuner uses a pre-selector stage, two 58 R.F. amplifiers and a 56 connected as a diode detector to give linear detection of all volume levels. While the sensitivity of 20 microvolts does not approach the fractional sensitivity of some superheterodynes, it is more than adequate for the requirements of portable service. Since ordinary supers are pretty much limited to about 4,000 cycles, they do not compare with this unit on the point of true high fidelity response on stations that broadcast really high quality music.

### Technical Characteristics Audio Section

Peak output .....	35 watts
Maximum output into plate impedance .....	25 watts
Maximum output into 500 ohm line .....	20 watts
Harmonic content at rated maximum outputs .....	5%
Gain .....	108 db
Hum level .....	50 db
Power consumption from line .....	175 watts

### 20-WATT AUDIO AMPLIFIER

The amplifier system contained in the Model 158-P Combination is another Lafayette achievement. It uses 2-53 voltage amplifier-mixer, 53 voltage amplifier, 59 driver and four 2A5's in Class "A" prime push-pull parallel, with a 5Z3 rectifier. An output transformer with the usual 7 up to 15 ohm and 250-500 ohm windings is included in the system. Crystal microphones as well as high quality velocity can be used directly, as the gain is 108 db.

### NEW GROUNDING SYSTEM DEVELOPED

The closed juxtaposition of a high gain audio amplifier and a high fidelity radio tuner on the same chassis brought about innumerable problems in feedback and hum suppression. Lafayette engineers actually developed an entirely new system of ground impedance networks in order to make this unit possible.

### COMPACT CONSTRUCTION

The chassis of the Model 158-P unit is filled with apparatus, yet it is so carefully laid out that it does not appear crowded. The cabinet is fitted with louvers that provide plenty of ventilation for the tubes. While the whole outfit is heavy, it can be carried by the old of the man-sized handles on the side of the case.

### FLAT RESPONSE CURVE

With the response of the audio amplifier down only 2db at 15,000 cycles and 1.5 db of 50 cycles, this is truly a high fidelity unit. It will do full justice to crystal or velocity type mikes and to the high fidelity tuner incorporated in this unit.

Model 158-P—Lafayette High-Fidelity Radio-Audio Combination with tubes. Dimensions: 19" wide x 8¼" high x 12" deep overall. Shpg. wt., 85 lbs. Code Pipo. List price \$190.00. **\*\$95.00**

Your Cost  
Kit of matched tubes, 4-2A5, 1-5Z3, 1-59, 3-53, 1-56, 2-58. **\*\$7.15**  
Your Cost

# The Auditorium High Fidelity Amplifier

Full 15 Watts Output

Actual 20-17,000 Cycles Coverage

Ideal for Wide Frequency Sound Installations  
and Laboratory Purposes



## TECHNICAL CHARACTERISTICS

Peak output ..... 24 watts  
Max. output into 10,000-ohm load... 18 watts  
Max. output into 500-ohm line ..... 15 watts  
Harmonic content at max. rated outputs... 5%  
Gain ..... 85.7 db    Hum level ..... -55 db  
Power consumption from line ..... 105 watts



## Recognized in Technical Press

The original model of this amplifier was described in the January 1935 issue of "Radio Engineering," and was widely acclaimed by outside engineers as a real achievement in amplifier design.

## High Fidelity Sound System

The selection of the proper parts of a high-fidelity system must be made with great care. Obviously there is no sense in using a specially designed amplifier of wide response with a cheap accessory that will limit the reproduction all by itself. For this reason the system listed below is highly recommended. You can depend on it to work perfectly from input to output. Don't forget we have a Sound Consultation Service to answer any questions you may have on this or any other system described in this catalog.

Lafayette Model 106-A—High-Fidelity Amplifier, less tubes and output transformer. Dimensions 7" deep x 16" wide x 8 1/4" high. Shpg. wt., 45 lbs. Code Albus. List price \$69.00. **\$34.50**  
Your Cost.

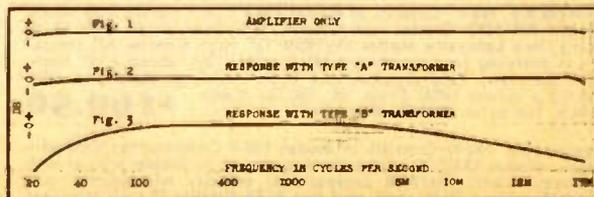
XP15950—Type A output transformer. Shpg. wt., 10 lbs. List price \$25.00 Your Cost. **\$12.50**

XP15931—Type B output transformer. Shpg. wt., 7 lbs. List price \$7.90. Your Cost. **\$3.95**  
Kit of Tubes far above. Your Cost. **\$4.80**

Sound System No. 156-P—Consists of Model 106-A High-Fidelity Amplifier with tubes, No. 1 output transformer, one Lafayette High-Fidelity AC Speaker XW19301, one Model XW19307 Piezo "tweeter", one Lafayette Model 301-A pre-amplifier with tubes, and one Amperite Model XM13468 broadcast studio type velocity microphone, with stand and 50 ft. of shielded microphone cable. Shpg. wt., 135 lbs. Code Parca. List price \$329.50. Your Cost. **\$164.75**

DC High-Fidelity Amplifier Also Available—A special model Lafayette High-Fidelity Amplifier for DC operation is also available. This also has an output of 15 watts and uses one 77, one 37 and four 48's. It is similar in size and appearance to the AC model. Write for further details if you are in a DC district.

Model 107-A Lafayette DC High-Fidelity Amplifier, less tubes and output transformer. Shpg. wt., 32 lbs. Code Ambre. List price \$55.00. Your Cost. **\$27.50**  
(Choice of same output transformers listed for the AC model.)  
Kit of tubes for above amplifier. Your Cost. **\$6.75**



The explanation of the above curves are contained at the left, which illustrate that this amplifier is truly a "high fidelity" unit.

In speaking of "high fidelity" it is necessary to be very specific and to define the term accurately. As accepted in engineering circles, the limits of "high fidelity" reproduction are 30 and 15,000 cycles. In designing their new Model 106-A High Fidelity Amplifier, Lafayette engineers have gone a little further, and the frequency response unit is actually within the limits of 20 to 17,000 cycles.

## Power and Gain Combined

This remarkable response is obtained at the full power output of 15 watts with a circuit that has a gain of 85.7 db. The combination of high-fidelity response with these features makes this amplifier extremely valuable for both laboratory and field applications. It is unexcelled for high-quality phonograph recording or reproducing systems that make use of crystal type pick-ups and dual-speaker reproducers. When it is realized that the usual range of radio reproduction is only 80 to 6000 cycles, the capabilities of this amplifier become evident. Lafayette engineers spent months working out the circuit and designing every individual part for its job, and we are proud to present the result.

## Phase Inverter Gives Push-Pull Action

The advantage of push-pull amplification are obtained throughout the three-stage circuit by means of a phase-inverter stage employing a dual-triode 53. This is followed by a pair of 56's, which in turn drives a pair of type 6B5's. The phase inverter eliminates the need for interstage transformers, which are susceptible to hum pick-up frequency limitations. The rectifier is on 83.

## Oversize Components

The mechanical placement of the parts was found to be very important during the preliminary laboratory development work, and numerous experimental models were built and rebuilt before the Lafayette engineers were satisfied with the value and position of every condenser, resistor and ground wire. Permanent alignment is assured by the use of a heavy steel chassis, supplemented by a perforated screen cover that tops off the amplifier and protects the tubes from falling objects. The chassis is finished in black lacquer both inside and outside.

## Importance of Output Transformer

To allow the purchaser to adapt the Model 106-A High-Fidelity Amplifier to his own requirements, it is sold without an output transformer, and two of the latter are listed separately. Naturally, the final response of the amplifier depends on the quality of the selected transformer, as illustrated by the curves. Fig. 1 shows the response with the amplifier working into a pure resistive load—a condition never encountered in actual practice. Fig. 2 shows the overall response of the amplifier with Type A output transformer, and Fig. 3 the response of the amplifier with Type B transformer.

Of course, the Type A transformer is recommended for true high-fidelity results, but the Type B is satisfactory in some cases. As a matter of fact, the response of the Lafayette Model 106-A High-Fidelity Amplifier even with the Type B transformer is better than that of several other so-called high-fidelity amplifiers that Lafayette engineers bought and tested. Both transformers are from 7 up to 15 ohm secondaries for voice coils and 250-500 ohm line connections. The input impedance is 500,000 ohms, making possible the use of a high impedance pick-up direct without a matching transformer.

# Lafayette MIXERS and PRE-AMPLIFIERS

## Lafayette "Electronic Mixer" A Radically New Development

- Affords Gain Instead of Loss
- Smooth Control by Electronic Means
- Mixes and Fades Three Channels
- High Fidelity Frequency Characteristic

Here, at last, is the ideal Mixer! It is the answer to practically any mixing problem. No matter what the impedance of the input device, so long as it delivers a minimum of .05 volts it can be connected directly to this mixer without the use of a coupling transformer. Crystal microphones, crystal pickups, condenser microphones (already equipped with a pre-amplifier) a 200, 500 ohm or any impedance line, a radio receiver, a low impedance or high impedance pickup, etc., can be used. Where the device requires an exciting current, such as is the case with a carbon microphone, a model is available that includes the necessary transformer. It has no frequency discrimination, being flat from 20 to 17,000 cycles! It has no loss—in fact produces a slight gain. The gain from each channel having a 150,000 ohm impedance is approximately 10 db.

### WILL MIX, FADE, etc., ANY OF THREE INPUTS

Any of three inputs—mike, radio and phonograph—three microphones—in fact any combination—can be faded one into the other or any two or all three can be mixed together. It is provided with four controls consisting of a master control and the three individual channel controls. It is also provided with an on-off switch and a pilot light. The output impedance is to the grid of the amplifier tube—it can also be coupled to a 500 ohm line if desired.

### LOW IN PRICE!

Despite the fact that this Mixer will do all of these things—and do them



better than any type of mixer heretofore developed—it is amazingly LOW in price! And this low price has not been achieved through cheapening or skimping on the material used—but is only possible because of an entirely new design using an entirely new idea in mixing. This new design is exclusively Lafayette on which patents are pending! Any infringements will be vigorously prosecuted to the full extent of the law. Lafayette is the first to present it to the trade—and of course at a price that is typically Lafayette.

### 2½ Volts A. C. and 6 Volts A. C.—D. C. or Battery Models

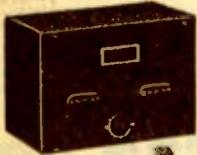
Two models are available—one for operation with 2½ volt tubes using three 57's—and another for operation with 6 volt tubes (which can be operated from either A. C.—D. C. or from a 6 volt storage battery) using three 6C6 tubes. The "B" supply can be obtained from batteries or from any amplifier—anything from 100 to 400 volts being suitable. Filament current required—2½ volt models 3 amps.—6 volt models .9 amps. Black crystalline steel case. Dimensions; 10x7¼x5¼". Shpg. wt. 10 lbs.

**Model 350P—Code Pacus.** 2½ v. A.C. Type. **\$17.50**  
**Model 351P—Code Pagos.** 6 v. A.C.—D.C. Bat. Type  
**Your Cost Either Type, Complete with Tubes**

If channels are desired for use with carbon microphones add \$2.50 for each channel (maximum 3 channels). Total number of channels in the mixer will always be three. A microphone battery will also be included when this change is made.

## Lafayette "High-Fidelity" and "P.A." Pre-Amplifiers

### HI-FIDELITY



The Lafayette "hi-fidelity" Pre-Amplifier is the most unusual high-gain A. C. operated pre-amplifier ever developed. Has a gain of 56 db. from a 200 ohm input to a 200 ohm output. Output level +5 db. Particularly designed for use with ribbon microphones and other low level input devices when used with amplifiers having a gain of over 60 db. Special output and input transformers provide a frequency response that is down only -2 db. at 30 c. p. s. flat within ½ db. from 80 to 6000 c. p. s. and down only -1.5 db. at 10,000 c. p. s. and only -3 db. at 17,000 c. p. s.

### SPECIAL "P. A." MODEL

A special "P. A." model for use where extreme high-fidelity is not required is available having a frequency response curve essentially flat from 70 to 8,000 c. p. s. Negligible hum level. Chassis, tubes, transformers, etc., mounted in sponge rubber to prevent microphonics. This, together with the heavy steel case, effectively overcomes this annoying difficulty with high-gain pre-amplifiers.

Two type 6C6 tubes are used in a special circuit in which one of the 6C6's is used as a screen-grid amplifier and the other as a triode. Standard input impedances 50, 200 and 500 ohms. When output transformer is supplied output impedances are 50, 200 and 500 ohms. Without output transformer output is at high impedance for connection directly to grid of tube.

### SPECIALLY DESIGNED POWER SUPPLY

The Power Supply is a separate unit and extreme precautions have been taken to guard against hum. Power Transformer has each winding interleaved with a static shield. For operation from 110 volt 60 cycle A. C. Cases of ¼" steel. Amplifier 10¼x7¼x5¼". Power Supply 8¼x6¼x6. Shpg. wt. 38 lbs.

- Model 306A—"P. A."** Lafayette Pre-Amplifier complete with Power Supply but for high Impedance Output and tubes. **Code Aegis.** **\$29.50**  
**Your Cost Special**
- Model 307A—"P. A."** Lafayette Pre-Amplifier complete with Power Supply for 50-250-500 Output but less tubes. **\$34.50**  
**Code Agios Your Cost**
- Model 304A—"HI-Fidelity"** Lafayette Pre-Amplifier complete with Power Supply for high Impedance Output and Tubes. **\$39.50**  
**Code Actis. Your Cost**
- Model 305A—"HI-Fidelity"** Lafayette Pre-Amplifier complete with Power Supply for 50-200-500 ohm Output less tubes. **\$49.50**  
**Code Aedes. Your Cost**
- Kit of Tubes for any of the above. 2-6C6, 1-80. **\$1.50**



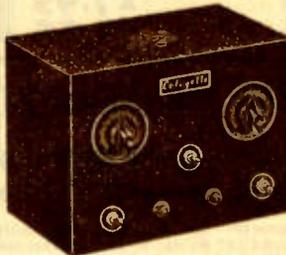
## Lafayette Input Stages

### Double Button

Black crystallized finished metal case containing the mike transformer, the battery and the volume control. 6 ft. shielded lead furnished. 6¼x5¼x4¼" deep. Shpg. wt. 6 lbs.  
**XM1347—List \$12.50**  
**Your Cost \$5.25**

### Single Button

Similar to above: for all single button microphones. **\$3.75**  
**XM1348—Shpg. wt. 6 lbs. List \$8.00 Your Cost**



## Lafayette Pre-Amplifier for Crystal or Ribbon Microphones

Now a new Lafayette Pre-Amplifier that is suitable for use with mikes having a -65 db. level when used with an amplifier having a gain of over 80 db. Also, with mikes having a level of -70 db. when used with amplifiers having a gain of over 90 db. Thus it is possible to use this pre-amplifier to provide the necessary pre-amplification required for crystal and ribbon microphones.

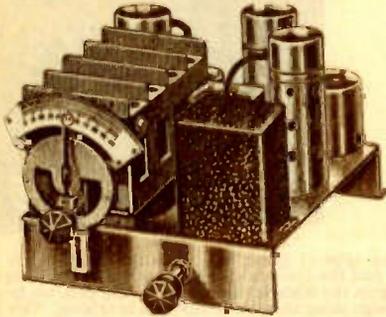
It can be operated either from A. C. or from a six volt storage battery. Plate supply can be obtained from the amplifier or from batteries if necessary. Both gain and tone controls are provided as well as a changeover switch for changing from mike to phono-pickup, terminals for which are provided on the rear of the amplifier. Available with or without input transformer having input impedances of 50, 200 and 500 ohms. Without transformer input is at high impedance directly to grid of tube. Transformer is symmetrically wound, wide range and has permalloy core. Amplifier dimensions; 10x7¼x5¼". Steel case black crystallized finish. Shpg. wt. 10 lbs.

- Model 300A—Without input transformer but complete with tube. Code Actus. Your Cost \$12.50**
- Model 301A—With input transformer and tube. Code Actcr. Your Cost \$19.75**

Mail Your Orders to NEW YORK or ATLANTA

# Lafayette PUBLIC ADDRESS Tuners

## Lafayette "T. R. F." P. A. Tuner



Airplane  
Dia.

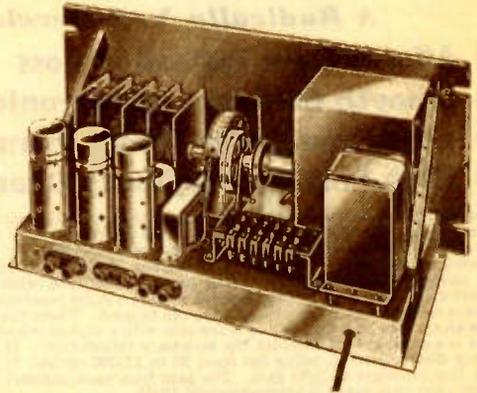
- ★ Excellent Tone Quality
- ★ Highly Selective
- ★ Dual-Reading Dial
- ★ Four Gang Condenser

Where TONE QUALITY is far more important than extreme selectivity (such as furnished by the Lafayette Super-Het Tuner) we recommend the use of this Lafayette T. R. F. Tuner. This circuit providing more of the side bands, so necessary for overtones and shading, is somewhat better for obtaining the finest tone quality possible for radio reception.

### PENTODE TUBES PRE-SELECTOR CIRCUIT

Four tuned circuits are used, tuned by sections of the four gang condenser. The first is a pre-selector circuit that makes possible really good selectivity without loss of side bands. The next two are tuned radio frequency stages employing two type 58 variable—mu pentodes followed by a tuned detector stage employing a type 57 pentode. If desired, a type 56 triode detector may be had instead. This type of detector is recommended where transformer coupling is to be employed between the tuner and the amplifier or line. When ordering state which detector is desired. The tuner is thoroughly shielded and filtered to prevent oscillation irrespective of the type of amplifier employed. Filament supply for the tuner is self-contained. "B" supply of from 180 to 250 volts may be obtained from the average amplifier, or a separate supply may be used, either eliminator or, if necessary for short periods "B" batteries. The maximum current drain is 25 M.A. with an average drain of 10 M.A. Furnished complete with plug and cord and full operating instructions. Size: 8" wide, 7 1/4" high, 10" deep. Shpg. wt. 12 lbs. **Model 352-P** Lafayette "T. R. F." Tuner, less tubes. **\$17.95**  
List \$35.90. Code Penta. Your Cost  
Kit of matched tubes 1-57, 2-58's. **\$1.55**  
Your Cost

## Lafayette "Remote Control" P. A. Tuner



- ★ Compact—Reliable—Remote Control
- ★ Standard Rack Panel
- ★ Self-contained Filament Supply

No longer is it necessary to be at the P. A. Rack to tune the radio tuner from station to station or to control the volume. All tuner operations—tuning—volume adjustment—turning it on or off—can be done at a remote point, quickly, at the touch of a fingertip, with this new Lafayette Remote Control Tuner.

### T. R. F. CIRCUIT

Because tone was considered the primary factor in the development of this tuner the T. R. F. circuit was selected. A pre-selector stage tuned with one section of the four gang condenser is followed by two stages of tuned radio frequency using two type 58 pentodes which in turn are followed by a type 57 detector. If desired, a type 56 triode detector may be had. This type of detector is preferable where transformer coupling is to be used to the amplifier or line. When ordering state which is desired. Each stage is well shielded and filtered to prevent oscillation regardless of the type of amplifier and power supply system used. Tuner has its own filament supply, and requires 180 to 250 volts of "B" supply, which may be obtained from the amplifier. Maximum current drain is 25 M.A., average 10 M.A. Overall dimensions: 19" long, 8 1/4" deep, 8 3/4" high. Will fit standard W. E. rack. Shpg. wt. 30 lbs.

**Model 353-P** Lafayette Remote Controlled **\$32.50**  
Tuner, less tubes. List, \$65.00. Code Plicar.  
Your Cost  
Matched Kit of tubes consisting of 1-57, 2-58's. Your Cost **\$1.55**  
**XP15915** "B" Eliminator for Tuner, with tube. Shpg. wt. 15 lbs. List \$15.90. Your Cost **\$9.95**

## Lafayette "Super-Het" Tuner

- ★ 10 KC. Selectivity
- ★ Dual-Reading Dial
- ★ Diode Detection
- ★ Automatic Volume Control

A Superheterodyne Public Address Tuner incorporating every modern feature found in superheterodyne receivers today. Highly selective—10 K. C. separation. Sensitive—3 1/2 microvolt per meter. Thoroughly shielded. Automatic volume control. Diode detection. Pre-selection with a four gang condenser. Self contained filament supply. Compact in size—easily mounted.

### NEW TUBES—NEW CURRENT

The circuit incorporating many exclusive Lafayette features is as follows: a pre-selector stage is followed by a tuned R. F. stage using a 58 pentode, then a type 2A7 pentagrid converter tube serves as oscillator and mixer or first detector, which in turn is followed by a 2B7 pentagrid used as intermediate frequency amplifier and diode detector and A. V. C. tube. Two models are made, one for use with low gain amplifiers having a gain of less than 60 db. and for line transmission work, this has an extra audio stage using a 56 tube. The other, for

use with amplifiers having a gain of over 60 db. is without this stage.

### STURDILY CONSTRUCTED

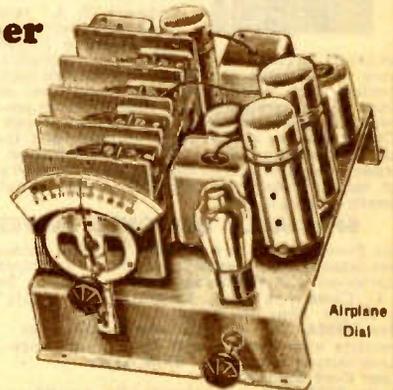
Only the highest quality components used throughout. Compact—7 1/4" high, 10 1/4" deep and 9 1/4" wide. Comes complete with instructions. Shpg. wt. 14 lbs.

**Model 354-P** Three tube Lafayette Super-Het Tuner for high gain **\$22.50**  
amplifiers, less tubes. List \$45.00. Code Petros.  
Your Cost

Kit of matched tubes for above **\$1.95**  
Your Cost

**Model 355-P** Four tube Lafayette Super-Het Tuner for low gain (under 60 db.) amplifiers, less tubes. List **\$45.00**. Code Podia.  
Your Cost **\$24.50**

Kit of matched tubes for above **\$2.39**  
Your Cost



Airplane  
Dia.

The Lafayette "B" Eliminator, Cat. No. XP15701 listed under the Remote Control Tuner can be used on any of the Lafayette Public Address Tuners listed on this page. Delivers 250 V. at 50 M.A. in humless form.

# Lafayette MICROPHONES



## Model "Twelve" Carbon

Excellent for use in the amateur station, either portable or fixed. Two-button carbon type with dural diaphragm having pure gold spot centers. Highest grade carbon granules used. Buttons are standard 200 ohms each. Scientifically damped for high quality voice reproduction. Bright, nickel finish. Extremely rugged construction. 2 3/4" in diameter.

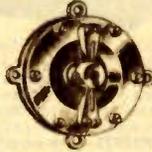
Shpg. wt. 2 lbs.  
**XM13392—List \$11.50**  
**Your Cost.....**

**\$4.85**

## Model "Twenty-Five"

A very efficient two-button carbon microphone which will give entirely satisfactory service in less critical public address installations. Frequency response 70 to 4000 cycles. Resistance 200 ohms per button. Heavy chromium plated brass frame. Special alloy diaphragm with 24K gold contact points. Size 3" diameter, 2" thick. For four point suspension. Shpg. wt. 4 lbs.

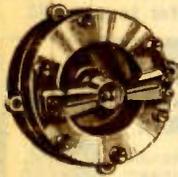
**XM13420—List Price \$25.00**  
**Your Cost..... \$9.95**



## Professional Model "Fifty"

One of the finest mikes on the market. Has stretched dural diaphragm only .002" thick. Frequency response from 50 to 5700 cycles. Buttons have standard 200 ohm resistance. Will stand up under most severe conditions of operation. Highly polished nickel finish. Size 2 1/2" diameter, 1 1/4" thick. Shpg. wt. 2 1/2 lbs.

**XM13421—List \$50.00**  
**Your Cost..... \$19.50**



## NEW!

## Lafayette Floor Stands

**Stand No. 1:** A new type featuring an automatic extension lock that does away with bothersome set screws. Will not slip. New "Quick-way" hooks and bevel edge on the chromium plated 6 1/4" diameter ring. Double baked black Japan finish on base and tubing. Base diameter 10 1/4". Extends from 52" to 76". Shpg. wt. 25 lbs.

**XM13530—\$11.75**  
**Your Cost.....**

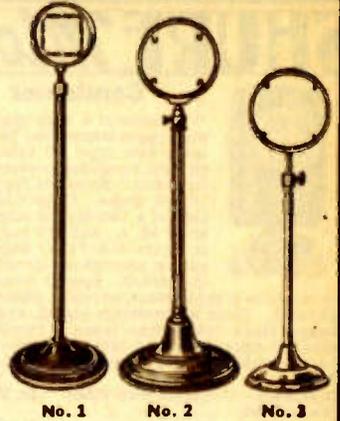
**Stand No. 2:** A large 20 lb. stand, all chromium plated. Professional type. Has standard set screw adjustment. Ring diameter 6 1/2"; base diameter 10 1/4". Extends from 45" to 72". Ring will take any standard microphone. Base drilled for insertion of microphone cable. Shpg. wt. 30 lbs.

**XM13431—Your Cost.....**

**Stand No. 3:** A really phenomenal value. Entire stand finished in satin silver. Very neat appearance. Extends from 42" to 72". Ring diameter 6 1/2", base diameter 7 1/2". Shpg. wt. 17 lbs.

**XM13422—Your Cost.....**

**\$4.85**



## Truest Carbon Microphone

An outstanding value in a two-button carbon microphone. Frequency response exceptionally good; 60 to over 4000 cycles. Uses standard 200 ohm buttons.

Duraluminum diaphragm, pure gold (24K) contacts. Bridge is a separate casting. 3 1/4" diameter, 2 1/4" thick. Shpg. wt. 4 lbs.

**XM13384—\$3.95**  
**Your Cost, Special.....**



## Lafayette Desk Stands

**Type A:** Cast entirely in one piece. Ring is 4 1/4" in diameter; microphone mounts in standard four point method. Base is drilled to take standard cable. Soft bronze finish. Height 7 3/4". Shpg. wt. 3 lbs.

**XM13495—Your Cost..... \$1.75**

Similar to above, but with removable ring for suspension mounting. Chromium finish. 6" ring, will fit all large mikes. Shpg. wt. 3 lbs.

**XM13382—Your Cost..... \$2.40**

**Type B:** A neat appearing stand with satin silver finish. Die cast ring and weighted base. Ring 7" in diameter, base 5". Overall height 13". Not adjustable. Shpg. wt. 6 1/2 lbs.

**XM13427—Stand only Your Cost..... \$3.50**



## KELLOGG Hand Microphone

Designed for use with portable P. A. systems, with transceivers, and with amateur broadcast stations. Single button type, 200 ohms resistance. Current required is 3 volts at .010 to .015 amperes. Button is thoroughly insulated from casing. Diaphragm is gold plated for perfect contact. Casing and handle of cast aluminum. Equipped with two-conductor 18 strand tinsel cord, 6 ft. long. Size 6 1/2" high, 2 1/4" diameter. Shpg. wt. 4 lbs.

**XM13435—Your Cost \$1.95**



## Stands for Crystal or Ribbon Mikes

**Stand No. 1:** is an 8" desk stand equipped with a universal ball and socket joint to fit crystal or ribbon microphones. The joint permits tilting the microphone to any desired angle. A special tightening ring permits locking the joint at any position. Finished in bright polished chrome plate. Base diameter 5 1/4". Shpg. wt. 5 lbs.

**XM13526—Your Cost..... \$3.25**

### BANQUET STAND

**XM13527—**Similar to the above but can be extended from 15 1/4" to 27". Base diameter 6". Shpg. wt. 7 lbs.

**Your Cost..... \$4.95**

### FLOOR STAND

**XM13528—Stand No. 3** similar to the above, but floor type. Can be extended from 37" to 67". Base 9" in diameter. An excellent stand for use in the studio. Highly polished chrome plated. Rigid thumbscrew height adjustment and swivel joint lock nut. Shpg. wt. 14 lbs.

**Your Cost..... \$6.95**

### COMBINATION STAND

**Stand No. 4** is not equipped with a universal joint. It is of the spring suspension type. Can be used as desk stand, hand stand, or the ring itself can be suspended. 5" length tubing used as handle or to convert desk stand from 8" height to 12 1/4". Base diameter 5 1/4". Ring 6". Shpg. wt. 5 lbs.

**XM13529—Your Cost \$3.95**



## AMERICAN Electrostatic Microphones

A newly designed microphone designed especially for Public Address work. These models are very rugged, and incorporate many features necessary for best performance and quality of reproduction. Are unaffected by atmospheric moisture, barometric and temperature changes. The air-dielectric is a thin film of air having a dielectric strength of 14.0 Kv. per mm. Output level is within 5 db. from 70 to 8500 c.p.s.; approximately —74 db. Impedance is 400,000 ohms at 1000 cycles, allowing use in most cases without any matching transformer. Output may be fed into any conventional pre-amplifier or directly into a high gain amplifier. Available in both floor stand and hand type models. Both provided with 15 feet of special low loss cable. Shpg. wt. 5 lbs.

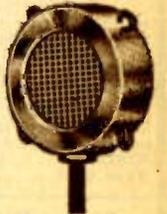
**XM13493—Floor Stand Model List \$20.00 Your Cost..... \$11.76**

**XM13494—Hand Type Model List \$25.00 Your Cost..... \$14.70**

## RADIO RECEPTOR Dynamic Microphone

Full moving coil type. Is extremely rugged, has high sensitivity and is noiseless in operation. Response is within 2 db. from 40 to 7,500 C. P. S. Output level—69 db. Impedance 30 ohms. May be operated at great distance from amplifier without appreciable loss. Pickup area uniform over an angle of 135°. No background noise. Weatherproof—not affected by heat or moisture. Housed in chrome finished metal case with connector for stand mounting or suspension. Shpg. wt. 5 lbs.

**XM13499—Your Cost..... \$21.56**



**NOTE:** We can supply all types of hearing aids. Write giving full particulars and we will quote the very lowest prices. Our technical staff will be happy to make your problems their own and to assist you in every way.

To Speed Handling of YOUR Order -- Use Our Order Blank

# NEW MICROPHONES

## SHURE Microphones

### Condenser Microphone



It consists of a high quality, air-damped, stretched diaphragm transmitter head and two stage amplifier, using two type '30 tubes. The compensating diaphragm equalizes pressure and assures constant performance. Excellent frequency response from 40 to 10,000 cycles. Output level 30 db. (approximately that of a two-button microphone). Requires 6 volts at 60 M. A., and 180 volts at 3 M. A. from batteries or Shure 41A Power Supply. It connects easily on carbon microphone circuits by omitting central leg of the circuit. Special terminal strip, easily accessible

in the tube compartment, provides either 200 or 50-ohm output impedance. Head is chromium plated, and case is finished in double baked black rubber-tone japan. Furnished complete with 12 ft. shielded color and coded cable. Adapter included so that unit may be suspended; bottom threaded for attaching to stand. Shpg. wt. 8 1/2 lbs.

**XM13507—Complete with tubes. List \$67.50**  
Your Cost. **\$39.69**

### SHURE MODEL 41A POWER SUPPLY

Designed expressly for use with the Shure Condenser Microphone. May also be used with other pre-amplifiers. 6 volts at 60 M. A.; 200 volts at 5 M. A. Complete with plug for mike cable, A. C. cord and plug. List \$40.00

**XM13508—Your Cost, with Rectifier Tube** **\$23.52**

### Crystal Mike Studio Type Model 70C

Similar in appearance to above condenser mike. Consists of crystal head with an integral two stage pre-amplifier housed in modernistic black japanned cast case. Amplifier uses 2-76 tubes. Quiet in operation, no hiss. Non-microphonic; not affected by temperature and humidity. Frequency range 30 to 10,000 cycles. Complete with tubes, suspension adapter and 12 ft. of cable.

**XM13478—Your Cost** **\$41.15**

### SHURE Power Supply Model 41H

For use with above crystal mike. Delivers 6 volts A. C. and 200 volts D. C. at 5 M. A. Uses type '30 rectifier. Complete with tube, plug for mike cable and A. C. cord and plug for use on 110 volts. 50-60 cycle A. C. Shpg. wt. 8 lbs.

**XM13479—Your Cost** **\$23.42**

### Crystal Hand Mike Model 71AS



Excellent for all types of P. A. work. No polarity, no button current. Non-microphonic. Can be used in any position. High impedance; does not require matching transformer. Chrome polished case with ring for suspension. Has "push-to-talk"

switch built into handle. Comes with 7 feet of cable. Shpg. wt. 8 lbs. List \$26.50.

**XM13476—Your Cost** **\$14.58**

### Model 71A

Same as above, but without the switch. Shpg. wt. 6 lbs. List \$25.00

**XM13477—Your Cost** **\$14.70**

### Carbon Hand Mike Model 11B

Similar in appearance to the above. Two-button, 200 ohms per button. Excellent frequency response. Will stand rough usage. Shpg. wt. 3 lbs.

**XM13469—Your Cost** **\$8.82**

### Crystal Mike

#### Model 70H

Improved diaphragm type crystal head with close fitting ring and 4 removable "quickway" hooks. Range from 30 to 10,000 cycles. High impedance; no matching transformer necessary. Comes complete with 7 feet of rubber covered cable, ring and hooks. Shpg. wt. 5 lbs.

**XM13473—Your Cost** **\$13.23**

### Banquet Stand



Extends from 26 1/2" to 65 1/2". Nickel plated tubing and cast iron base finished in black wrinkle enamel. Comes with adapter for mounting model 70H mike, and others using mounting ring.

**XM13464—Your Cost** **\$5.30**

Adapter Only **\$9.50**  
Your Cost **\$59.00**

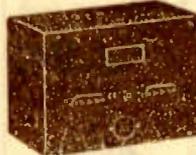
### PIEZO-ASTATIC Crystal Mike



It requires no field or button current—has no hiss—cannot "pack"—may be used in any position and has a high output making unnecessary any great amount of pre-amplification. High impedance. No matching transformer necessary. Case is 3" in diameter and 1" thick and is finished in polished chromium. Diaphragm is screen protected. Complete with 6 ft. shielded cable. Shpg. wt. 2 lbs.

**XM13363—Your Cost** **\$13.23**

### Special Lafayette A. C. Operated Velocity Mike Pre-Amplifier and Power Supply



An unusually high gain pre-amplifier designed for use with velocity mikes. Has following specifications: Input impedances of 50, 200 and 500 ohms; output impedance directly to grid of tube; gain +56 db.; output level +5 db. maximum. Can be used with any velocity mike having an output level of not less than -100 db., when used in conjunction

with a main amplifier having gain of 70 db. or over. Amplifier uses two type 6C6 tubes. Power supply is a separate unit (not illustrated). Constructed of finest quality parts. Transformers static shielded between each winding; choke-condenser filtered so as to be absolutely hum free. Cases of 1/2" steel finished in black crackle. Power supply 8 1/2 x 6 1/2 x 8 1/2"; pre-amplifier 10 1/2 x 7 1/2 x 5 1/2". Shpg. wt. 38 lbs.

**XP15971—Pre-amplifier and Power Supply, less tubes** **\$29.50**  
Your Cost, Special

For detailed constructional description of above pre-amplifier and power supply, refer to page 65

## AMPERITE VELOCITY MICROPHONES

### Models RB-S RB-M and RA-1

More compact than previous models, and yet provide greater output (approximately 10 db.). Unusually clear; no peaks and no background noises. Not affected by temperature, altitude or moisture. Unusually rugged and thoroughly shielded. Instructions including pre-amplifier diagram included.

**Model RB-S—Recommended for public address work; especially designed for speech. Output—68 db. (open line). Impedance 200 ohms. Shpg. wt. 8 lbs.**

**XM13470—List \$30.00**

Your Cost **\$17.64**

**Model RB-M—Includes nickel alloy (permalloy) transformer. Recommended for speech and music. Output level—64 db. (open line). Impedance 200 ohms. Shpg. wt. 8 lbs. List \$40.00**

**XM13471—Your Cost** **\$23.52**

**Model RA-1—Response 42 to 10,000 cycles. Output—90 db. Especially designed for speech. Shpg. wt. 7 lbs.**

**XM13462—List \$25.00. Your Cost** **\$14.70**

Special flexible "shock absorber" coupling. Connects mikes listed above to 1" pipe stands. List \$2.00

**XM13472—Your Cost** **\$1.18**

### Ribbon Microphone Transformers

**XM13509—Match ribbon to line. XM13511—Match line to grid.**

**XM13510—Match ribbon to line. XM13354—Match plate to line.**

List \$5.00 **\$2.94**

Your Cost, Any Type

### Professional Model SR80



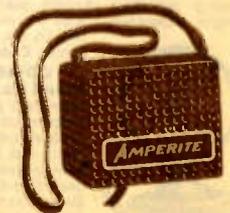
Frequency response uniform within plus or minus 1 db. over the entire audible range. Used by broadcast and recording studios throughout the world. Absolutely free from background noises; reproduction is lifelike. No frequency discrimination with angle from center. Highly directional qualities reduce acoustical feed-back and helps eliminate undesirable noises. Specially treated aluminum alloy ribbon. Frequency response 25 to 14,000 C. P. S. Output Level—68 db. (open line). Output impedance 50 or 200 ohms. Fully shielded in rugged bronze and steel case. Bushing for standard 1/2" pipe thread. Shpg. wt. 10 lbs.

**XM13468—Your Cost** **\$58.80**

### New! AMPERITE Junior Velocity Microphone

A radically new development. For use with portable P. A. systems or with stationary systems in conjunction with platform speeches. Mike is the size of a match box—1 1/2 x 1 1/2 x 1". Output level is -45 db. (open line). Frequency range 60 to 7500 cycles. Output 50 or 200 ohms; specify type desired. Transformer housed inside mike case. Fully protected in metal case finished in black crackle enamel. Equipped with cable and shoulder straps (to be placed around neck of speaker). Shpg. wt. 8 lbs.

**XM13465—List \$30.00**  
Your Cost **\$17.64**



Prices on replacement ribbons for all velocity mikes quoted on request. Specify name and model of mike when ordering.

# UNIVERSAL MICROPHONES



## UNIVERSAL Condenser Microphone



### Model E-30—A. C. Operated

Newly developed condenser microphone with built-in two stage amplifier employing 30 tubes. Power supply plugs into any 110 volt, 50-60 cycle line; no complicated connections. Absolutely no hum or ripple. Frequency response flat from 35 to 1,000 c. p. s.; output greater than that of a standard two-button carbon mike. Head has automatic barometric adjustment and diaphragm is protected by a solid cast grating. Ninety degree swivel of head permits use directly overhead; the bail allows hanging

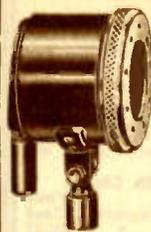
by a wire or cord. Twenty-five feet of rubber covered, shielded cable furnished. Finished in black crackle. Shpg. wt. 11 lbs.

**XN13549—Model E-30 Condenser Microphone, \$35.28**  
Your Cost.

Specialty designed power supply for use with the above microphone. Has binding post terminals and receptacle for microphone plug. In metal case provided with carrying handle. Shpg. wt. 10 lbs.

**XN13550—Complete Power Supply, List \$40.00 \$23.52**  
Your Cost.

## UNIVERSAL Dynamic Microphone



A new development in a full moving coil type of dynamic microphone. Has a flat frequency response from 50 to 10,000 c. p. s. Bass notes reproduced with full fidelity by means of a special "breather" in the form of a tube with screen cap incorporated into the back of the housing. High frequency adjustment also provided. Impedance of coil is 30 ohms. Output level approximately -80 db. A special input transformer is available for matching mike to line. Illustration shows standard microphone plug in the built-in jack (plug not included). Size 3 1/2" deep, 3 3/4" diameter. Shpg. wt. 5 lbs. List \$50.00

**XM13491—Dynamic Microphone \$29.40**  
Your Cost.

Special Input Transformer. Matches mike to 200 or 500 ohm line. Other side has seven taps ranging from 15 to 45 ohms, and acts as a highly efficient tone control by limiting either high or low frequency response. Shpg. wt. 3 lbs.

**XM13492—Your Cost \$5.88**  
Floor Stand. Has fitting for above mike. Height 5 1/2 feet, base diameter 12". Highly polished chrome plate bar, with positive clamp lock adjustment. Base in frosted silver crackle. Shpg. wt. 18 lbs.

**XM13493—Your Cost \$9.41**

### Model "X" Mike



A low priced mike that will give excellent performance. Available in either single or two-button types; standard 200 ohms per button.

Duralumin diaphragm, pure gold contacts. Response 100 to over 4000 cycles. Chrome plate finish. Shpg. wt. 3 lbs.

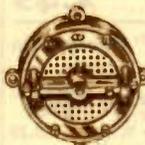
**XM13412—Single Button \$4.41**  
Your Cost.

**XM13413—Double Button \$5.88**  
Your Cost.

Model X desk stand for above mikes. 5" ring. Polished nickel plated bar, ebony rubber base cover. Comes with 8 mounting springs. Shpg. wt. 8 lbs.

**XN13547—Your Cost \$2.06**

### UNIVERSAL Model "BB" Mike



An especially rugged unit designed for P. A. and amateur broadcast work. Has 24K pure gold spot centers. Frequency response from 50 to 5000 cycles. Finished in polished chrome plate. 3" diameter, 2" thick. Standard 200 ohm buttons. Shpg. wt. 3 lbs.

**XM13406—List \$25.00 \$14.70**  
Your Cost.

### UNIVERSAL Model "KK" Mike

Similar to the above, but with more extensive frequency range. Entire unit finished in 24K polished gold. Range 40 to over 6000 cycles. 2 1/2" diameter, 1 1/2" thick. Shpg. wt. 2 1/2 lbs. List \$40.00

**XM13404—Your Cost \$23.52**

### UNIVERSAL Model "LL" Mike

One of the finest carbon mikes available. Of high carbon steel ground to within 1/1000 inch accuracy. Pure gold contacts. Frequency range from 80 to 7000 cycles. 3 1/2" diameter, 1 1/4" thick. Shpg. wt. 3 1/2 lbs. List \$60.00

**XM13403—Your Cost \$35.28**

### Model "W" Watch Mike



The smallest protected single button mike. Standard 200 ohms resistance. Sulted for use as lapel microphone. Gold spot diaphragm. Only 1 1/4" in diameter, 1/4" thick. Polished case. Shpg. wt. 3 lbs.

**XM13443—Your Cost \$1.76**

### Model "Y"

Similar to above, but without protective cover. Shpg. wt. 1 lb.

**XM13444—Your Cost \$1.18**

### 5 Meter Hand Set



Designed especially for use in Transceivers and other portable radio-telephone equipment. Consists of a bent aluminum handle with a lightweight telephone receiver at one end and a high output single button mike at the other. Microphone has standard 200 ohms resistance; receiver has 2000 ohms impedance. Furnished with 6 foot, four conductor cable, with color coded phone tips. Shpg. wt. 5 lbs.

**XN14043—List \$6.00 \$3.53**  
Your Cost.



### "Handi-Mike"

Designed for use with Transceivers and portable P. A. systems. Have gold contact faces. On-off switch in handle. For voice will give clear cut reproduction. 6" long 2 1/2" diameter head. Shpg. wt. 2 lbs.

**XM13403—Single Button \$5.88**

**Your Cost \$8.82**

### Desk Stand

For use with the above described Handi-Mikes. Has polished chromium plated upright, and rubber covered base. Mikes held in place by two spring clips. Use of stand allows freedom of both hands while broadcasting. Shpg. wt. 2 1/2 lbs.

**XN13440—List \$3.00 \$1.76**  
Your Cost.

## Bruno

### Velocity Microphone Model L



Designed especially for P. A. work, to reproduce speech and music. Its directional qualities, absence of hiss and other noises makes it ideal for use where quality is necessary. Frequency response 60 to 10,000 C. P. S. Output level -89 db.; a pre-amplifier is not required when main amplifier has a gain of 110 db. or over. Impedance 200 ohms. Units are equipped with special H-Per transformer and 6 feet of special rubber covered shielded cable. Housed in piston alloy case finished in black crystalline. Size 3 1/2" x 2 1/2" x 7". Shpg. wt. 6 lbs. List \$25.00

**XM13467—Your Cost \$14.70**

### Model RV-3 High Fidelity

Professional broadcast type used in studios, for reproductions of speech and music. Frequency range covers from 30 to 14,000 cycles. Output level is -65 db. (open line). Output impedance 200 ohms. Special H-Per transformer built-in. Shpg. wt. 8 lbs.

**XM13466—Your Cost \$55.00**

### BRUSH "Tweeter" Crystal Speaker



Designed primarily for use in radio receivers and P. A. systems where faithful reproduction of the higher frequencies is desired. Reproduction on the "tweeter" begins at the point where the response of the dynamic speaker starts to fall off (about 3000 cycles), and continues up to 8000 cycles. Unit to be connected across the primary of the low frequency dynamic speaker transformer. No field or filter system required. Due to its high efficiency, it is generally used with a variable resistance or variable capacity type volume control. Diameter of cone 4". Shpg. wt. 7 lbs.

**XW19306—List \$7.00 \$4.20**  
Your Cost.

### Crystal Speaker With Transformer

Similar to the above, but with transformer to match 4, 8 and 15 ohm voice coil and 500 ohm line. For theatre and P. A. use. Transformer especially designed to provide the necessary frequency response. Mounts on back of speaker. Shpg. wt. 9 lbs.

**XW19307—Your Cost \$6.00**

## Low Priced MICROPHONE STANDS

### Desk Stands



Type A

Type A: Low priced, yet high quality. Has 5" octagon shaped ring. Provided with 8 springs. Ring removable. Height 9". Finished in wrinkle black enamel. 7 1/2" pipe thread. Shpg. wt. 10 lbs.

**XN13540—Your Cost, Special \$1.45**

Ring only, with adapter, for suspension mounting. Complete with 8 springs.

**Type B: De Luxe Stand. Height 13"; 6" removable ring. Complete with 8 springs. Finished in black wrinkle enamel. 1/2" pipe extension. Shpg. wt. 15 lbs. \$2.05**

**XN13542—Your Cost, Special \$1.25**

Ring only for above. With 8 springs and suspension adapter. Shpg. wt. 3 lbs.

**XN13543—Your Cost Each \$20**

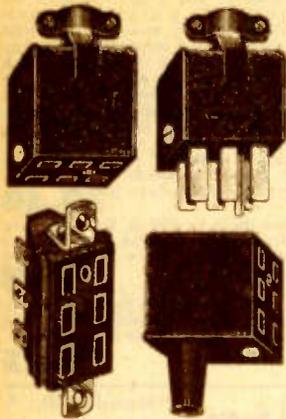
Suspension Adapter only. For above Microphone Rings. **25**



Type B

# Microphone Cables & Accessories

## Heavy Duty Plugs and Sockets



A series of heavy duty multiple contact plugs and sockets made of genuine moulded bakelite with heavily armored metal caps. Very sturdily made and are excellent for use with portable public address systems. Finished in black crackle lacquer. Shpg. wt. 1 lb.

### Plug with Clamp

Stock No.	Contacts	Your Cost
XL12400	2	\$0.37
XL12401	4	.45
XL12402	4	.54
XL12403	8	.62
XL12404	10	.70
XL12405	12	.79

### Flush Socket

Stock No.	Contacts	Your Cost
XL12406	2	\$0.30
XL12407	4	.36
XL12408	6	.42
XL12409	8	.48
XL12410	10	.54
XL12411	12	.60

### Socket With Sleeve

Stock No.	Contacts	Your Cost
XL12418	2	\$0.42
XL12419	4	.52
XL12420	6	.63
XL12421	8	.73
XL12422	10	.83
XL12423	12	.93

### Socket with Clamp

Stock No.	Contacts	Your Cost
XL12412	2	\$0.40
XL12413	4	.50
XL12414	6	.61
XL12415	8	.71
XL12416	10	.81
XL12417	12	.91

## "Twist Lock" Polarized Armored Connectors

A twist of the wrist and they are securely locked together! Cannot pull apart accidentally. Completely armored for protection against breakage. Equipped with clamps for cable. Will take large size wire up to  $\frac{3}{4}$ ". Shpg. wt. 1 lb.



**Two Wire Connectors**  
 XM13175—Male ..... **38¢**  
 Your Cost .....  
 XM13176—Female ..... **75¢**  
 Your Cost .....

**Three Wire Connectors**  
 XM13177—Male ..... **57¢**  
 Your Cost .....  
 XM13178—Female ..... **97¢**  
 Your Cost .....

**Four Wire Connectors**  
 XM13179—Male ..... **85¢**  
 Your Cost .....  
 XM13180—Female ..... **\$1.45**  
 Your Cost .....

## "Twist Lock" Receptacle

Fits standard outlet box. **XM13181** ..... **98¢**  
 3 Wire .....  
**XM13182**—Four Wire ..... **\$1.25**

## "Twist Lock" Recessed and Base Mount Plugs

For mounting on apparatus and to be used with "Twist Lock" Female Connectors. Recessed type provides flush surface and prevents accidental contacts with prongs. Shpg. wt. 1 lb.



**Two Wire Male**  
 XM13183—Base Mount ..... **35¢**  
 Your Cost .....  
 XM13184—Recessed ..... **55¢**  
 Your Cost .....

**Three Wire Male**  
 XM13185—Base Mount ..... **45¢**  
 Your Cost .....  
 XM13186—Recessed ..... **75¢**  
 Your Cost .....

**Four Wire Male**  
 XM13187—Base Mount ..... **57¢**  
 Your Cost .....  
 XM13188—Recessed ..... **75¢**  
 Your Cost .....

## "Twist Lock" Female Receptacle

Made of porcelain. Shpg. wt. 1 lb.  
 XM13173—2 Wire, Each ..... **45¢**  
 XM13174—3 Wire, Each ..... **79¢**

## 3 Way Mike Plug

For quickly connecting double button mikes or any three wire cord. Has a moulded bakelite handle. Contacts are solid brass tinned for easy soldering. Shpg. wt. 1 lb.  
**XM13521**—Your Cost ..... **40¢**

**3 Way Jack**  
 For use with above plug. **XM13522**—Your Cost ..... **26¢**

**3 Way Mike Connector**  
 For use with above plug. **XM13523**—Your Cost ..... **39¢**

## Thutest Carbon Granules

Extra fine quality, same as used in better grade microphones—not adulterated. Contains sufficient granules to refill one two-button microphone. Care must be used in measuring amount for each button. Must not be touched with fingers. Shpg. wt. 1 lb.  
**XM13481**—Your Cost ..... **40¢**

**Microphone Springs**  
 These microphone springs are made of the finest grade tempered steel, with formed loop ends. **XM13462**—Set of 8 for ..... **15¢**

## BMS Microphones Studio Model

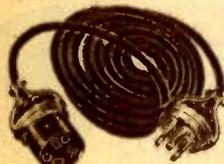


For home broadcasting. Very easily attached. Does not interfere with radio. Sliding switch to turn on or off. Shpg. wt. 2 lbs.  
**XM13380**—Your Cost ..... **88¢**

## Junior Model

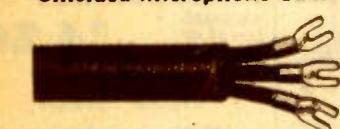
Similar to above but different case. Has button instead of switch. Shpg. wt. 2 lbs.  
**XM13379**—Your Cost ..... **58¢**

## Thutest Shielded Microphone Cable with Armored Connectors



Stock No.	Size	Shipping Weight	Your Cost
XQ16030	6 ft.	1 lb.	\$1.75
XQ16031	12 ft.	2 lbs.	2.25
XQ16032	25 ft.	3 lbs.	2.95
XQ16033	50 ft.	5 lbs.	4.50
XQ16034	100 ft.	11 lbs.	7.50

## 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. Cotton covered. Shpg. wt. for 50 ft.,  $2\frac{3}{4}$  lbs.  
**XQ16132**—  
 6 Ft. for ..... \$0.35      25 Ft. for ..... \$1.15  
 12 Ft. for ..... .60      50 Ft. for ..... 1.90

## Thutest Shielded Microphone Cable

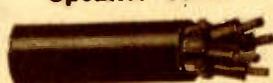


Consists of three conductors color coded in a very closely woven tinned copper shielding with  $\frac{1}{4}$ " outer covering of high percentage rubber. Especially intended for outdoor use. Absolutely weather and abrasion proof. Shpg. wt. 10 lbs. per 100 ft.  
**XQ16038**—Your Cost Per Foot ..... **8¢**  
 12 Ft. for ..... \$0.62      50 Ft. for ..... \$2.30  
 25 Ft. for ..... 1.20      100 Ft. for ..... 4.50

## Special Value! Mike Cable

Light duty cable similar to the above. **XQ16145**—Your Cost Per Foot ..... **5¢**  
 12 Ft. for ..... \$0.55      50 Ft. for ..... \$2.00  
 25 Ft. for ..... 1.05      100 Ft. for ..... 3.90

## Rubber Covered 4-Wire Speaker Cable



Heavily rubber covered four wire cable for use in connecting extension speakers outdoors or in portable equipment. Shpg. wt. for 50 ft., 6 lbs.  
**XQ16134**—Your Cost Per Foot ..... **5¢**  
 Per 100 Feet ..... \$4.75

## Armored Bakelite Microphone Connectors

Diameter  $1\frac{1}{2}$ ". Shpg. wt. 1 lb.  
**XM13401**—Plug ..... **44¢**  
 Your Cost Each .....  
**XM13402**—Socket ..... **58¢**  
 Your Cost Each .....  
**XM13413**—3 Wire Flush Receptacle, of a hard Composition. Will fit above Female Socket No. XM13400. **75¢**  
 Your Cost Each .....

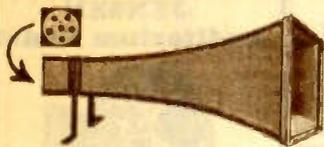
**C. H. Mike Connectors**  
 Plug has metal cover for protection. Shpg. wt. 1 lb.  
**XM13399**—Plug ..... **17¢**  
 Your Cost Each .....  
**XM13398**—Socket ..... **19¢**  
 Your Cost Each .....

## 5 Wire Rubber Covered Shielded "Mike" Cable



Re-enforced with cord, rubber covered, stranded color coded microphone cable. Heavy cotton braid outer layer, ribbon sleeve shield,  $\frac{1}{4}$ " live rubber. Excellent for Condenser Mikes. Outside diameter  $\frac{3}{8}$ ". For all outdoor temporary or permanent jobs. Shpg. wt. 10 lbs., 100 ft.  
**XQ16100**—Your Cost Per Foot ..... **8¢**  
 Per 100 Feet ..... \$7.50

# Public Address Units *and* Trumpets



**Lafayette**  
Introduces a  
**New Vari-Acoustic Trumpet**



With the new Lafayette Vari-Acoustic Trumpet you can adjust the low frequency response to suit yourself. A unique method of adjusting the back-pressure increases or decreases the low notes at will. The streamline shape eliminates the losses that occur when the contour of the trumpet is broken. Built throughout of weatherproof material. Finished in bright aluminum. Dimensions: 4 ft. long, bell 30" square. Weatherproof cover included.

A new Lafayette Cone Unit, especially designed for use with this and similar type trumpets, employs a cone made of a semi-weatherproof material that will stand great extremes of temperature and humidity. Unit is capable of handling 15 watts and has an unusually powerful field. Field current consumption 1 to 1 1/4 amps., at 6 V. Voice coil diam., 1 1/4", impedance 8 to 12 ohms.

**XY20041**—Lafayette Vari-Acoustic Trumpet. Shpg. wt. 20 lbs. **\$14.50**  
Your Cost

**XY19830**—Lafayette 6 V. Cone Unit. Shpg. wt. 10 lbs. **\$10.25**  
Your Cost

**Lafayette Trumpets**

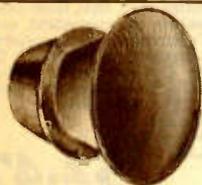


A new 100% weatherproof Trumpet that is guaranteed for a period of two years except where they are subjected to gross misusage or abuse. Constructed of a special all-weather material and securely bound at the edges with a solid brass welding. Detachable aluminum tone arm threaded for reproducer unit. Square bells 30x30". Finished in bright aluminum.

**Model L-72**—6 ft. long. Shpg. wt. 26 lbs. List \$42.50 **\$24.99**  
**XY20047**—Your Cost

**Model L-54**—54" long. Shpg. wt. 19 lbs. List \$35.00 **\$20.58**  
**XY20048**—Your Cost

**Model L-43**—43" long. Shpg. wt. 16 lbs. List \$30.00 **\$17.64**  
**XY20049**—Your Cost



**NEW!**  
All-Aluminum  
**"Dome" Baffle**



**Lafayette**  
"Super Giant"  
Electro-Dynamic  
Driver Unit

A new Lafayette product that again proves Lafayette's ability to offer a finer—better product at a very low price. The diaphragm in this unit is spun from sheets of the finest grade of duraluminum. It is then given various heat treatments and annealing processes so as to provide a diaphragm that will respond to every change in electrical input yet remain rigid enough to assure an accurately centered voice coil at all times. The sound output of this unit is exceptionally high in relation to the electrical input—the result of careful placement of the voice coil in the magnetic field and a powerful field flux. Voice coil impedance 15 ohms. 6-8 V. field. Shpg. wt. 15 lbs. **\$23.52**  
**XY20046**—Your Cost

An entirely new development in directive baffles for use with cone type speakers. Overcomes many difficult acoustic problems. All aluminum construction. Equipped with suspension rings. For 12" speakers. Reducer rings available for adapting to smaller speakers. Overall length 20". Diameter of bell 17" length of bell 10". Shpg. wt. 4 lbs. **\$8.82**  
**XY20044**—List \$15.00  
Your Cost

**ADAPTER RINGS.** For reducing size of opening for smaller speakers. State size when ordering. **44¢**  
**XY20045**—Your Cost Each

**Circular Bell Trumpets**

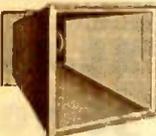


Produced by an entirely new method these horns have no parallel for true reproduction over a wide range of frequencies. Solid cast aluminum throat. Finished in bright aluminum. 1" metal bead edge.

**Model C-6**—6 ft. long. Shpg. wt. 27 lbs. List \$42.50 **\$25.00**  
**XY20054**—Your Cost

**Model C-3**—42" long. Shpg. wt. 15 lbs. List \$25.00 **\$14.70**  
**XY20055**—Your Cost

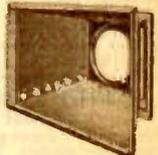
**"DEMOUNTABLE" Directional Baffle**



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

space 27x26x3". Shpg. wt. 15 lbs. **\$5.40**  
**XY20052**—7" opening  
**XY20053**—10" opening  
Your Cost Either Type

**"DEMOUNTABLE" Flared Baffle**



Can be assembled or disassembled in a few minutes with a socket wrench or small pair of pliers. Fastened together with offset spadebolts. Dimensions assembled 13" deep, 30x18" bell. Unassembled 30x16x2 1/2" aluminum finish. Weatherproof material. Shpg. wt. 10 lbs. **\$3.95**  
**XY19837**—7" opening  
**XY19838**—10" opening  
Your Cost Either Type

**"Demountable" Speaker Housing**  
For use with either flared or directional baffle. Inside dim., 16x16x11 1/4". **\$2.85**  
**XY20051**—Your Cost

## RACON Cone Units and Trumpets

**RACON High Quality Dynamic Speaker Units**

**Giant Unit**



A powerful Dynamic Unit especially designed for use with trumpet type horns. Handles 20 watts continuously or 50 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. Shpg. wt. 26 lbs. **\$32.34**  
Less transformer.  
**XW19265**—Your Cost Each

**RACON Baby**



Continuous operating capacity 5 to 7 1/2 watts; peak capacity 20 watts. Voice coil 15 ohms. Field current, 6 volts at 1 1/4 amps. Shpg. wt. 9 lbs. Complete, less Coupling Transformer. **\$16.17**  
**XW19268**—List \$27.50  
Your Cost Each

**RACON Super Giant**



Particularly adapted for theatre and auditorium. 6 to 8-volt field excitation. 1.1 ampere consumption at 6 volts 15-ohm voice coil impedance. Continuous operating capacity 25 watts. Peak load capacity 50 watts. **\$38.80**  
Shpg. wt. 20 lbs.  
**XY19754**—List \$66.00  
Your Cost

**RACON Trumpets**

Made of fabric, impregnated and hardened.



**3 1/2 Ft. Trumpets Bell 22" Round**

**De Luxe Model.** Equipped with metal beaded edge, cast aluminum ferrule and suspension ring. For indoor or temporary outdoor use. Shpg. wt. 17 lbs. List \$27.50 **\$16.15**  
**XY19789**—Your Cost  
**Regular Model.** Same as above but for indoor use only. List \$22.00 **\$12.94**  
**XY19790**—Your Cost

**6 Ft. Trumpet—Bell 30" Round Stormproof Model.** Metal beaded edge, cast aluminum throat, 4" suspension ring. For outdoor use. Shpg. wt. 35 lbs. **\$42.00**  
**XY19791**—Your Cost  
**All Metal Model.** Cast aluminum throat, reinforced bell rim. Shpg. wt. 20 lbs. List \$55.00 **\$32.34**  
**XY19745**—Your Cost

Mail Your Orders to NEW YORK or ATLANTA

# PUBLIC ADDRESS *and* HIGH-FIDELITY SPEAKERS

## WRIGHT de COSTER "Theatre" Models 309 and 319



Especially designed for use with sound on film. Emphasizes the voice

frequencies. Yet covers an extremely full range. Equipped with input transformer having impedances of: 10 (directly to voice coil), 500, 1000, 1500 and 4000 ohms. Permits matching several speakers to an amplifier without using additional matching transformers. Conservative maximum handling capacity 15 watts. Field resistance 3000 ohms for operation on 220 to 275 volts D. C. at 75 to 90 M. A. Maximum field dissipation 25 watts; minimum 16 watts. Shpg. wt. 42 lbs.

**XW19372**—Model 309. Dimensions: 12 $\frac{1}{2}$ " wide, 9" deep, 12 $\frac{1}{4}$ " high. List \$48.50  
**Your Cost** ..... **\$28.52**

### MODEL 319

Model 319—Similar to the 309 but will handle only 10 watts. Field resistance 3500 ohms—maximum dissipation 20 watts—minimum 12 watts. Shpg. wt. 30 lbs.

**XW19373**—Model 319. Dimensions: 12 $\frac{1}{2}$ " wide, 8 $\frac{1}{2}$ " d., 12 $\frac{1}{4}$ " h.  
**Your Cost** ..... **\$22.05**

### STANDARD MODELS

Standard types for ordinary use in P. A., Radio, etc.

**XW19354**—Model 305. Same handling capacity, dimensions, etc., as Model 309.  
**Your Cost** ..... **\$28.52**

**XW19353**—Model 315. Same as Model 319 but for ordinary use.  
**Your Cost** ..... **\$22.05**

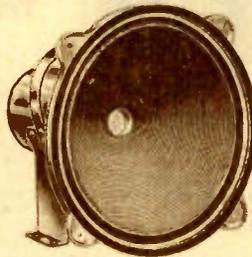
## WRIGHT de COSTER Model 425

New model. Same general design as the larger models. Handling capacity—7 watts. Field 2500 ohms. State type of output transformer desired. 12 $\frac{1}{2}$ " wide, 7 $\frac{1}{2}$ " deep. 12 $\frac{1}{4}$ " high. Shpg. wt. 18 lbs.

**XW19146**  
**Your Cost** ..... **\$9.70**

## Lafayette P. A. Speakers

### New 14-Inch "Photophone Type" Dynamics



Great power with exceptionally fine tone quality. Extremely large heavy field wound with approximately 5 $\frac{1}{2}$  lbs. of pure copper wire is housed in a pot 5 $\frac{1}{2}$ " long. Cone is 14" in diameter and has a 1 $\frac{1}{2}$ " voice coil with an impedance of 8 to 12 ohms. D. C. field resistance 1000 ohms. Speaker will safely carry 15 watts continuously, 25 watts peak. Finished in bright cadmium plate. Shpg. wt. 29 lbs.

**XW19153**—Lafayette 14" Photophone type Speaker.

**XW19155**—Same but with 2500 ohm field.

**XW19154**—Same but with 6 volt field.

**Your Cost, Any Type** ..... **\$10.95**

### 14-Inch A. C. Model

The A. C. model is exactly the same in every detail except that it is equipped with a field supply. Requires 5Z3 tube. For 110 volts, 60 cycle A. C. operation. Shpg. wt. 16 lbs.

**XW19137**—A. C. Model less tube.

**Your Cost** ..... **\$15.45**

### Modified 14-Inch Photophone Type

Has all of the characteristics of the Photophone speaker such as 14" cone, 1 $\frac{1}{2}$ " diameter voice coil, 1000 ohm field, but is for use with a somewhat lower input. Will carry 10 watts—peak 18 watts. Field pot 3 $\frac{1}{2}$ " long by 3 $\frac{1}{4}$ " diameter. Voice coil impedance 8 to 12 ohms. No stand and no handle supplied. Dimensions: 16 $\frac{1}{2}$ " diameter, 9" deep. Shpg. wt. 14 lbs.

**XW19376**

**Your Cost** ..... **\$8.45**

## Lafayette "P. A. Special"

Particularly designed for P. A. systems. Has 12" cone made of special acoustic paper. A special line matching transformer has impedances of 250 and 500 ohms. Field resistance 1000 ohms. Two types—A. C. and D. C. A. C. uses 5Z3 rectifier and comes complete with tube. Shpg. wt. A. C. 13 lbs., D. C. 10 lbs.

**XW19374**

D. C., P. A. Special.

**Your Cost** ..... **\$7.95**

**XW19375**—A. C., "P. A. Special".

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

### 11" A. C. Dynamic

An excellent speaker for use in small and medium size P. A. Systems and in radio receivers. This model uses the 26Z5 tube for rectification. Input transformers can be supplied to match any ordinary type output tube. Specify desired type when ordering. Size 11 $\frac{1}{2}$ " high, 8" wide, 6" deep. Shpg. wt. 20 lbs.

**XW19145**—Less tube

**Your Cost** ..... **\$7.45**

## JENSEN Auditorium Models



In sound output these new Auditorium Speakers are 400% more efficient than the conventional type. They are fully capable of handling continuously 20 watts of energy, but the sound output from 20 watts electrical input is at least three times greater than that from other cone speakers of equivalent cone area. Construction and performance are beyond comparison. Dimensions: Overall width, 18 $\frac{1}{2}$ "; height, 13 $\frac{1}{2}$ "; depth, 8 $\frac{1}{4}$ ". Baffle opening, 12". Shpg. wt. D. C. 48 lbs.; A. C. 56 lbs.

**XW19246**—110 volts A. C.

List \$76.50

**Your Cost** ..... **\$52.47**

(A. C. Models are priced with tube.)

**XW19248**—110 volts D. C.

List \$51.50

**Your Cost** ..... **\$35.33**

### Ortho-Dynamic Models

These models will handle 12 watts continuously with a peak input of 18 watts. Frequency response is unusually uniform from 30 to 5600 cycles. Finished in black and aluminum. A. C. models rectifier tube and come complete with tube. Shpg. wt. D. C. models 25 lbs.; A. C. 35 lbs.

**XW19256**—110 volts D. C.

List \$36.50

**Your Cost** ..... **\$25.03**

**XW19260**—110 volts A. C.

List \$53.50

**Your Cost** ..... **\$36.70**

All Models are available with either

of two types of input transformers.

Regular is center tapped and has

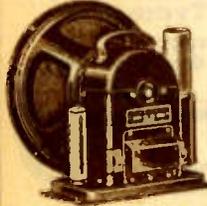
an impedance 4000 to 6000 ohms

suitable for most tubes. Line is for

500 ohm lines. When ordering state

type desired.

## ROLA "High Fidelity" Speakers



A new speaker designed to meet the requirements for high fidelity reproduction, greater power handling capacity, and high efficiency. Full 12" speaker with massive field coil structure (maximum 3 $\frac{1}{2}$  lbs. wire capacity).

Response 50 to 7500 cycles with a variation of less than ten db. Standard field resistance 640 ohms—other values to special order. 8 ohm (at 400 cycles) voice coil. Continuous power handling capacity 15 watts. Maximum field wattage 20, minimum 8, normal 18 watts. Voice coil diameter 1 $\frac{1}{2}$ ". Speaker dimensions: 12 $\frac{1}{2}$ " wide, 12 $\frac{1}{4}$ " high, 7 $\frac{1}{2}$ " deep. Specify output transformer impedance desired. Two models D. C. and A. C. A. C. for 110 volts, 60 cycles, tube included.

**XW19302**—D. C. Shpg. wt. 26 lbs.

**Your Cost** ..... **\$15.90**

**XW19303**—A. C. Shpg. wt. 30 lbs.

**Your Cost** ..... **\$25.50**

## Lafayette "High Fidelity" Speaker

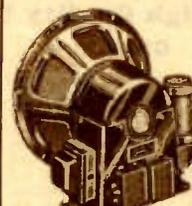


Designed by Lafayette Engineers to meet the demand for high fidelity reproduction with full efficiency. Unit utilizes a full 12" cone and an over-sized field pot to afford maximum power handling capacity. Frequency response essentially flat from 50 to 8000 cycles. Supplied with standard field of 640 ohms; other field resistances supplied on special order. Maximum field wattage 18, minimum 8, normal 18. Voice coil impedance 8 ohms (at 400 cycles). Supplied with output transformer; specify type desired. Overall dimensions 12 $\frac{1}{2}$ " wide, 12 $\frac{1}{4}$ " high and 7 $\frac{1}{2}$ " deep. Available in D. C. and in A. C. 110 volt 60 cycle models.

A. C. model with tube.  
**XW19300**—D. C. Model  
Shpg. wt. 26 lbs.  
**Your Cost** ..... **\$12.50**

**XW19301**—A. C. Model with tube.  
Shpg. wt. 30 lbs.  
**Your Cost** ..... **\$17.50**

## JENSEN "High Fidelity" Speakers



True "high fidelity" covering a frequency range from 30 to 8000 cycles. Quality construction throughout. Cone diameter 12". Voice coil impedance 8 ohms. Power handling capacity 10 watts continuously. Field coil resistance 860 ohms—

other values to special order. Maximum field wattage 18, normal 14, minimum 10. A. C. model for operation on 110 volts, 60 cycles. Regular input transformer 4200 ohms will match 4000 to 4500 ohms and has center tap. 500 ohm line transformer also available. Dimensions: 12" wide, 12 $\frac{1}{4}$ " high, 8" deep. Specify type of transformer desired when ordering. Speakers finished in black and chrome. Heavy duty construction: will stand up under any operating condition. A. C. model includes tube. Shpg. wt. 35 lbs.

**XW19304**—D. C. Model A12 **\$18.18**

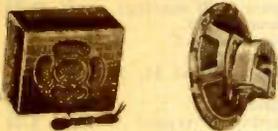
**Your Cost** ..... **\$29.15**

**XW19305**—A. C. Model A12 **\$29.15**

**Your Cost** ..... **\$29.15**

# Quality **SPEAKERS** for Every Requirement

## Balanced Armature Magnetic Speakers



Employ unusually powerful magnets and balanced armatures that provide double ended action, eliminating the need for any great amount of amplification. Highly sensitive and will handle considerable volume without rattling or distorting. Wide frequency range; natural tone. Pressed paper cones. Pressed steel frames. Available in chassis form or in walnut finished cabinets having scroll grill front and back, and provided with 6 foot two conductor flexible cord.

### Speaker Chassis Only

Stock No.	Cone Diam.	Shpg. Wt.	Your Cost
XW19121	3"	2 lbs.	\$1.20
XW19152	5"	3 lbs.	1.23
XW19199	6"	5 lbs.	1.45
XW19119	9"	7 lbs.	1.89

### Speakers in Cabinets

XW19106	5"	4 lbs.	2.25
XW19107	6"	6 lbs.	2.40
XW19108	9"	8 lbs.	3.15

## BBL Magnetic Speaker



One of the finest magnetic speakers obtainable. Reproduces the entire tonal range with life-like fidelity. Impedance 7000 ohms at 1000 cycles. D. C. resistance 1000 ohms. Magnet of cobalt steel.

Diameter 9 3/4". Handles large output without rattling. Shpg. wt. 7 lbs.

**XW19133—Special \$2.38**

Above speaker mounted in beautiful walnut cabinet with paneled front and dull gold grill cloth. Size 13x11x7 1/2". Shpg. wt. 9 lbs.

**XW19177—Your Cost, Special \$4.20**

# ROLA Speakers

## F4-5" Dynamic

Type F4 speaker is a special 5" model designed mainly for use in midget receivers. Constructed of high grade materials. Frequency response exceptionally fine. Has standard 3000 ohm field. Furnished with output transformers as listed below. Shpg. wt. 8 lbs.

**XW19115—For Single 46, 71A.**  
**XW19116—For Single 48.**  
**XW19117—For Single 47, 2A5.**

**Your Cost, Any Type \$2.95**

## Type F5-6" Dynamic

Similar in every respect to the above, but will handle greater output due to its larger size.

2500 ohm field. Shpg. wt. 4 lbs.  
**XW19118—For Single 46, 50.**  
**XW191313—For P. P. 45, 50.**  
**XW191314—For Single 47, 2A5.**  
**XW191315—For P. P. 47, 2A5.**

**Your Cost, Any Type \$3.45**

## K7-9 3/4" Dynamic

Will handle 6 watts. Has 2500 ohm field and is furnished with output transformer as listed below. Shpg. wt. 12 lbs.  
**XW19335—For Single 46, 50.**  
**XW19339—For P. P. 45 or 50.**  
**XW19340—For Single 47, 2A5, 46.**  
**XW19341—For P. P. 47, 2A5, 46.**

**Your Cost Each, Any Type \$4.95**

## Type K12-11"

Similar to above, will handle 10 watts. Shpg. wt. 18 lbs.

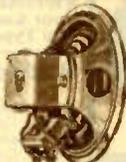
**XW19342—For Single 46, 50.**  
**XW19343—For P. P. 45, 50.**  
**XW19344—For Single 47, 2A5.**  
**XW19345—For P. P. 47, 2A5.**

**Your Cost Each, Any Type \$5.95**

## Permanent Magnetic Speaker Type PM-8

A permanent magnet dynamic speaker, which for sensitivity, tone fidelity and power handling ability is the equal of the finest electro-magnet energized type. Employs dome center shield and particle proof acoustic filter. Corrugated cone. Outside diameter 8 3/4". Special transformers available on order. Shpg. wt. 9 lbs.

**XW19346—P. P. 45, 50**  
**XW19347—P. P. 46, 47, 2A5**  
**Your Cost Each, Any Type \$6.70**



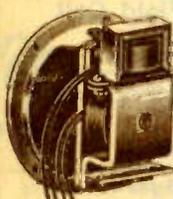
## Special 6" Dynamic Speaker

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

**XW19131—Less Output Transformer \$95**  
**Your Cost, Special \$1.39**  
**XW19124—With Output Transformer for Single 47 or 2A5. Your Cost, Special \$1.39**

# OXFORD Speakers

## A. C. -D. C. Compact



Designed for use in midget sets. Will handle large output without distortion. Has 3000 ohm field. Furnished with output transformer for single 38

or 48 tube. Size 5x4 1/4 x 2 1/2". Shpg. wt. 5 lbs.  
**XW19293—Your Cost \$1.45**

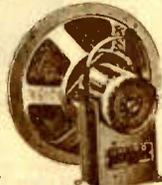
## Special 6" Midget



For midget and auto receivers. Ruggedly built finished in cadmium plate. Furnished with transformers as listed in note. Field coils as listed. Shpg. wt. 8 lbs.

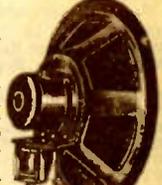
**XW19166—2500 ohm field.**  
**XW19122—6 volt field.**  
**XW19109—1800 ohm field, tapped at 300 ohms.**  
**Your Cost, Any Type \$1.85**

## 11" Class "B" Model



Designed for use with P. A. and other high power installations. Finest materials used in its construction. Oversized field coil has standard 2500 ohms resistance. Provided with carrying handle. Transformers available to match any tubes, as per note. Size 11" wide, 6 3/4" deep, 1 1/2" high. A really large speaker that will carry considerable power. Bright cadmium finish on all metal parts prevents rust. Shpg. wt. 17 lbs.  
**XW19285—Your Cost \$4.70**

## 11" Junior Model



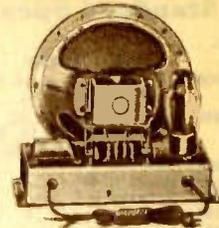
For use in large consoles. Has excellent frequency response. Will handle large outputs without distortion. Field resistance 2500 ohms. Furnished with transformer for any tubes as per note. This speaker is especially well suited for use with small Public Address systems in the average installation. All metal parts cadmium plated. Shpg. wt. 13 lbs.  
**XW19290—Your Cost \$3.40**

## 8 1/2" Dynamic Speakers A. C. and D. C.

Will handle continuous output of 6 watts. All metal parts finished in bright cadmium plate. A. C. model has built-in field supply using a type 80 tube. D. C. model has standard 2500 ohm field. Transformers supplied for any output tubes as per note. Specify type desired. Shpg. wt. 15 lbs.

**XW19291—A. C. Model, less tube \$5.65**  
**Your Cost Each \$2.65**  
**XW19292—D. C. Model \$2.65**  
**Your Cost**

## Special A. C. Dynamic Speaker



Cone diam. 8". Uses 80 rectifier. Well filtered. Provided with output transformer to match P. P. 45's, 50's or 71A's. Cadmium plated steel chassis and frame. Shpg. wt. 16 lbs. Less tube.  
**XW19392—Your Cost, Special \$4.75**

## 9" D. C. Model

Similar to above, but without field supply. Supplied with 1000, 1800 or 2500 ohm field. Transformer supplied for single or P. P. 45, 46, 47, 48, 2A5, 2A3, 59, 79 or 50 tubes. Specify type field and type transformer desired when ordering. Shpg. wt. 6 lbs.

**XW19120—Your Cost, Special \$2.45**

## Celotex Speaker Baffles



Non-resonant Celotex baffles designed to provide best acoustic effect. Any size hole can be had, from 4 to 12", at no additional cost. When ordering, specify size hole desired. Shpg. wt. 2 1/2 lbs. per square foot. 1 1/2" and 3/4" thicknesses.

Stock No.	Inches	Your Cost
XW19793	12x12"	\$0.30
XW19794	18x18"	.85
XW19795	24x24"	1.48
XW19796	36x36"	3.35
XW19797	48x48"	5.75
XW19798	36x72"	5.95
XW19799	48x72"	6.95
<b>3/4" Thick</b>		
XW19714	12x12"	50.20
XW19750	12x16"	.27
XW19751	12x18"	.33
XW19715	18x18"	.54
XW19716	24x24"	.89
XW19717	36x36"	1.89

## NOTE

Oxford speakers listed on this page are furnished with transformer to match: Single 38, 43; Single and P. P. 71A, 45, 47, 59, 59 Class B, 89 Class A, 79, 53, 2A5, Parallel 38, 47, 45. Specify type desired when ordering.

# SPEAKER REPLACEMENT PARTS

## Replacement Cones for Standard Speakers

Stock No.	Set or Speaker	Outer Diam.	Your Cost
XW19501	Atwater Kent 43, 46, 55, 60, 65, 66, 67, 64.	10 3/4"	\$1.15
XW19502	Atwater Kent, 80, 82, 84, 55B, 627, 87, 90, 92, Early models 83, 85	8 3/4"	.95
XW19611	Baldwin	9"	1.40
XW19505	Bosch 48-58	9 3/4"	1.25
XW19614	Brunswick D	8"	1.15
XW19574	Colonial 33-LL, 18	12 3/4"	1.42
XW19579	Colonial 36	10"	1.59
XW19617	Crosley M45, 40S	9"	1.15
XW19519	Edison R4-5-7-8.	11 1/4"	1.45
XW19515	Eveready	10"	1.45
XW19580	Fada, 15, 20, 32, 25.	8 3/4"	3.00
XW19581	Fada 10A, 10B	8 3/4"	3.00
XW19582	Fada 14, 70 series	10 3/4"	3.20
XW19583	Fada 11, 12, KU, KW	10 3/4"	3.20
XW19403	General Electric 31, 51, 71, 120, S22.	10 3/4"	1.20
XW19584	Jensen D4, D5	9 3/4"	1.35
XW19519	Jensen D7, D8	11 3/4"	1.35
XW19622	Jensen D11	8 3/4"	1.35
XW19645	Jensen D9, Inner Spider	11 3/4"	1.36
XW19582	Magnavox 144	7 3/4"	1.15
XW19361	Magnavox 154 (2 pt. Spider)	8"	1.25
XW19530	Majestic G1	9"	.85
XW19531	Majestic G2	9"	.85
XW19532	Majestic G3, G4	10"	.95
XW19646	Majestic G6, G7	10"	1.20
XW19533	Majestic G5, G8, G9.	12"	1.29
XW19647	Majestic G14	12"	.95
XW19535	Majestic G13	11 3/4"	.98
XW19626	Majestic G10B, G10D.	8 3/4"	.95
XW19587	Majestic G11B.	9 3/4"	1.18
XW19590	Majestic G19	10"	.95
XW19547	Philco 20, 70, 90 small.	Part No. 02996	.61
XW19400	Philco 40, 41, 65, 76, 77, 95, 96, 111, 112, 90 large	36-3170	.85
XW19401	Philco 47, 71	36-3159	.50
XW19552	Philco 50, 51 small, 80, 81.	02861	.62
XW19553	Philco 50, 51 large.	02887	.69
XW19628	Oxford 2 1/2" deep.	12 1/4"	1.34
XW19640	Rola F5.	6 1/4"	1.05
XW19648	Rola F6, F8.	8"	1.15
XW19641	Rola K9, Outside Spider	11"	1.49
XW19597	Stewart-Warner, 2 point Spider.	9"	1.30
XW19550	Stewart-Warner, 3 point Spider.	9"	1.30
XW19565	Temple Auditorium.	14"	2.25
XW19629	U. S. Apex Gloritone 26.	8 1/2"	.95
XW19642	U. S. Apex Gloritone.	10"	1.26
XW19570	Utah Stadium 66A.	12"	1.40
XW19571	Victor RE32, 45, 75, 52.	9"	.75
XW19574	Zenith 52, 72, 50, LL18	12 1/4"	1.42

## Replacement Cones for Automobile Radio Sets

Stock No.	Set or Speaker	Outer Diam.	Your Cost
XW19755	Arvin 10.	5"	\$0.75
XW19756	Atwater Kent 666	6 1/4"	1.00
XW19757	Crosley Roamio 96, 98 and 99	6"	1.00
XW19758	Crosley Roamio 103	6"	1.00
XW19759	Emerson	5"	.83
XW19760	General Elec. B-40.	5"	.60
XW19761	Majestic 66, 116A	6 1/4"	.75
XW19762	Majestic 110 (Mag.)	5"	.75
XW19763	Majestic 110 (Utah)	5"	.75
XW19764	Majestic 116.	5"	.83
XW19761	Majestic 118 (Ford)	6 1/4"	.75
XW19765	Motorola 34	5"	.75
XW19766	Motorola 44 (Mag.)	5"	.75
XW19767	Motorola 44 (Utah)	5"	.75
XW19768	Motorola 77	6 1/4"	1.00
XW19769	Motorola 77A	8"	1.25
XW19770	Motorola 88	8"	1.25
XW19771	Motorola Superair.	6 1/4"	1.00
XW19772	Motorola Twin Eight	8"	1.25
XW19773	Philco 5.	8"	1.20
XW19774	Philco 6, 7, 8, 9, 10, 12, 700, 800.	5 1/4"	1.00
XW19775	Stromberg-Carlson.	8"	1.25

NOTE: We can supply other cones for auto sets at lowest prices. Write for quote, giving all information.

## Genuine RCA-VICTOR Replacement Speaker Cones



Wholesale Radio Service Company, authorized distributors of genuine RCA-Victor factory replacement parts, is now able to offer the servicemen a complete line of original speaker cones. Consult listing below for most popular numbers. If you cannot find what you want, we can get it for you at a 40% discount.

- XW19403—For RCA 106 Speaker. Used in models 34, 35, 39, 41 A. C., 41 D. C., 46, 47, 66, 62, 64, 67, 50, 55, 59, 80, 82, 86, RE20, RE59, and RAE79, RCA Part No. 8558. **\$1.20 Your Cost Each**
- XW19404—For models R6, 7, 8, 9, 10, 11, 12, RE18, RE19, 21, 14, 15, 17, 42, 48, RCA part No. 8601. **90¢ Your Cost Each**
- XW19405—For Victor models 32, 45, 52, 75, RCA No. 10801. **\$1.20 Your Cost Each**
- XW19406—For R28, 28P, RE40, R22, 100, 101, 110, 111, 114, 115, 300, 301, RCA No. 8987. **60¢ Your Cost Each**
- XW19407—For R5, R5X, R5 D.C., RCA No. 7236. **60¢ Your Cost Each**
- XW19408—For R17M, R27 (Magnetic), RCA No. 7594. **60¢ Your Cost Each**
- XW19409—For R18W, R27 (Dynamic), RCA No. 7598. **53¢ Your Cost Each**
- XW19776—For RCA Auto Sets, models M-34, M-105, RCA No. 9023. **60¢ Your Cost Each**
- XW19410—For R37, 38, 37P, 38P, 112, 120, 121, 122, 142B, 241B, 310, RCA No. 9428. **60¢ Your Cost Each**
- For 100-A Speaker RCA No. 9190. **75¢ Each**
- XW19209—Each **75¢**
- For 100-B and 103 RCA No. 8359. **75¢ Each**
- XW19210—Each **75¢**

## SPECTACULAR VALUES in SPEAKER CONES



**RCA-Victor Models R32, RE45, R52, RE75**  
Exact duplicate of the original RCA part for the above model sets. Fits the chassis exactly; no changes necessary; 9" cone.

- XW19571—Special **75¢ Your Cost Each**
- MAJESTIC G1 Cone**  
Exact duplicate of the original. 9" cone. Models 71, 72. **85¢ Your Cost Each**
- MAJESTIC G2 Cone**  
Exact duplicate 9" cone for models 71, 72, 91, 92 and 181. **85¢ Your Cost Each**
- XW19531—Your Cost Each **85¢**

**Cone Centering Shims**  
Flexible celluloid shims that will last indefinitely. Sixteen shims in a handy leatherette folder. Contains four each of the following sizes: .0125", .010", .0075" and .005". Takes care of all speakers. **36¢ Your Cost.**

## Replacement Field Coils

Stock No.	Set or Speaker	Ohms	Your Cost
XW19420	Airline 20 (2 winding)	5985	\$1.75
XW19668	Brunswick 16	2500	1.95
XW19418	Colonial 33 A.C.	6000	2.95
XW19422	Crosley M45.	1500	2.40
XW19686	Crosley Model 57, 58, 59, 269.	10000	2.29
XW19669	Edison	4500	3.25
XW19688	Gloritone 8" tapped	1800	2.25
XW19429	Jensen D7, D8.	1500	2.45
XW19432	Jensen D9, D15.	1000	1.33
XW19436	Jensen D9, D15.	2500	1.47
XW19694	Lyric 9"	3000	3.48
XW19670	Magnavox 9" medium	1000	2.55
XW19446	Majestic G1	3100	3.15
XW19447	Majestic G2	2730	3.15
XW19657	Majestic G4 G5	7650	3.75
XW19677	Majestic G6, G20	1000	3.50
XW19678	Majestic G3	2750	3.15
XW19471	Rola C.	1500	3.50
XW19411	Rola F4	3000	.59
XW19474	Rola F6, F8, K7, K9	1800	1.40
XW19475	Rola F6, F8, K7, K9	2500	1.75
XW19696	Silver-Marshall 30.	1500	3.95
XW19379	Stewart Warner 950.	10000	3.80
XW19482	Stromberg-Carlson.	7300	2.65
XW19484	Temple All Models	2250	2.65
XW19588	Utah 8" tapped	1800	2.25
XW19652	Utah Midget	2500	1.95
XW19486	Victor RE-32-46-75.	3000	1.80
XW19489	Zenith 52.	2500	2.60

NOTE: We can obtain or have duplicated for you any type of field coil. Send us the old coil with all pertinent information such as model number of set, etc.

## Apex—Gloritone—U. S. Radio and Montgomery Ward



For Chassis 26. Original part. 11500 ohms tapped at 9040. Three different sized coils used. Specify types as shown below. Shpg. wt. 2 lbs.

- XW19450—2 1/2" dia., 1 1/2" deep, 1 1/4" hole. **95¢ Your Cost**
- XW19658—2 1/4" dia., 3/4" deep, 3/8" hole.
- XW19656—2 1/2" dia., 1 1/4" deep, 1 1/4" hole. **\$1.50 Your Cost Any Type**

## Radio Repair Cement Kit

An efficient Radio Repair Cement Kit for Speaker Cones; Voice Coils, R.F. Coils and Chokes. One bottle of all purpose cement, and one bottle of thinner to use with cement.



XW19499—Complete with handy brush. **35¢ Your Cost.**

## ROLA F4 Field Coil

The midget field coil for Rola 5" speakers model F4. D.C. resistance 3000 ohms. Can be used in a great number of other standard speakers. Size 2" wide, 1 1/4" deep, 1/4" hole. Shpg. wt. 2 lbs. **59¢ Your Cost Each, Special**

## RCA Magnetic Speaker Coils

Part No. 708. Used in RCA 30, Victor Combinations, and 100 speakers. Also W. E. 540 A. W. Size 1 1/4" O. D. 1/4" thick, 1/4" hole. **25¢ Your Cost.**

## Speaker Cement

For speaker cones and voice coils. Dries rapidly. To be applied with a fine brush. In sealed metal tubes. **5¢ Your Cost Each**  
XP15239—1 1/4" Tube. **5¢ Your Cost Each**  
XP15240—3 1/4" Tube. **9¢ Your Cost Each**

# PHONO PICK-UPS AND ACCESSORIES

## PIEZO-ASTATIC Crystal Pick-Up



With this pick-up the quality of the music available is limited only by the associated equipment. The Piezo Electric Crystal is the most efficient agent known for converting mechanical motion into electrical energy. Ball bearings and extremely light weight make possible the playing of 78 R.P.M. or slow speed records without the use of additional counterbalance weights. Available with 8 or 12-inch arms. Uses 1/2 Meg. volume control. Shpg. wt. 5 lbs.

**XA161**—Standard 8" Arm  
Your Cost.....

**\$9.00**

**XA162**—Standard 12" Arm  
Your Cost.....

**\$10.50**

## WEBSTER Pick-up High Fidelity

100 to 7000 C.P.S.



7000 cycles. Low needle scratch. Unit is so designed that no counter balance is necessary when used on either 33 1/2 or 78 R.P.M. recordings. Finished in beautiful brown. Volume control built in. High impedance coil. Full, or loud tone needles recommended for best results. Needles easy to insert into the flat, inertia type head.

**XA147**—Your Cost Each.....

**\$4.95**

## Lafayette Dual Speed Pick-Up



33 1/2 or 78 R.P.M.

Rubber-damped, providing absolutely clear reproduction. Available in 2500 or 5000 ohms impedances. Special impedances to order at special prices on request. Specify type when ordering. Shpg. wt. 5 lbs.

**XA138**—Complete with volume control.

**XA143**—Same as above except 200 ohms impedance.  
Your Cost, Either Type.....

**\$6.20**

## Electric-Chromatic Pick-up Model 2033



Ideal for use in all types of radio receivers. Fine frequency response. In 200, 500 or 7500 ohms impedance. Specify impedance desired when ordering. Shpg. wt. 5 lbs.  
**XA453**—Your Cost.....

**\$7.25**

Model 433

A low priced model similar to the above. Frequency response covers wide range. In 200, 500 or 7500 ohms impedance. Specify impedance desired. Shpg. wt. 5 lbs.  
**XA454**—Your Cost.....

**\$5.62**

## AUDAK Pick-Ups

### Model 100 Pick-Up



Designed for use where space and weight are important factors. Mounts just above turn-table shaft. It is a genuine Magneto-induction type; no crystal or condenser materials used in its construction. Not affected by climate. Frequency response covers entire tone range. Shpg. wt. 1 lb.

**XA455**—Your Cost.....

**\$4.45**

### Model HR-33 Electro-Chromatic Pick-Up



A high quality wide range pick-up for use with records up to 12" in diameter. Equipped with needle ballast for compensation on frequencies below 300 cycles. Finest parts used in its construction; exceptionally fine reproduction is provided. Available in 200, 500 and 7500 ohm impedances. Specify impedance desired when ordering. Shpg. wt. 5 lbs.

**XA457**—Model HR-33.....

**\$9.85**

## 'Professional' Pick-up



For use in broadcast studios, theatres, etc. Finest pick-up made. Incorporates needle ballast for compensation on low frequencies. Available in 200, 500 and 7500 ohm impedances. Specify impedance desired. Shpg. wt. 6 lbs.

**XA458**—Your Cost.....

**\$26.80**

### Semi-Professional

Similar to above, but response not quite so extensive. In 200, 500 and 7500 ohm impedances. Specify impedance desired. Shpg. wt. 6 lbs.

**XA456**—Your Cost.....

**\$11.80**

**NOTE**  
We can supply any Audak equipment not listed. Prices quoted on request.

## Genuine RCA-Victor PHONOGRAPH EQUIPMENT

### Pick-Up Head for RCA Model 67



Part No. 2601. Impedance of coil 48.5 ohms. Has long leads. Shpg. wt. 2 lbs.

**XA178**—Your Cost.....

**\$2.40**

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

Victor Part No. 10779. Impedance 200 ohms. Has fine frequency response. Shpg. wt. 2 lbs.

**XA177**—Your Cost Each.....

**\$2.86**

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

Part No. 6335. Impedance 7 ohms. Pin jack connections. Shpg. wt. 2 lbs.

**XA391**—Your Cost Each.....

**\$2.40**

### RCA Victor Pick-Up Coils

Stock No.	RCA No.	Ohms Imp.	Models	Your Cost
<b>XA174</b>	2265	3300	9-25, 9-55, CD 20X	<b>\$0.72</b>
<b>XA186</b>	2314	20	9-16, 9-66, 12-15, 10-69	<b>.65</b>
<b>XA175</b>	2641	200	AZ-1604	<b>.60</b>
<b>XA169</b>	2769	20	R-86, RE-57, RE-17, T-5, RAE-26, RAE-59, RAE-79	<b>.30</b>
<b>XA395</b>	3168	12.7	RE-73, RE-16, RE-19	<b>.30</b>
<b>XA396</b>	3385	7	RE-81, RE-84, RE-80	<b>.30</b>
<b>XA397</b>	6118	48.5	RE-16A	<b>.30</b>
<b>XA398</b>	10777	200	RE-46, RE-75, E-35, E-135	<b>.30</b>

### Balanced Pick-Up



Used in Models R-86, RE-17, RE-57, RAE-68 and T-5 Electrolas. Assembly comprises head, arm, stop rod and connecting cable. Impedance of head 20 ohms. Fine response. Finished in dull silver. Shpg. wt. 7 lbs.

**XA146**—Your Cost.....

**\$5.70**

Head only for above. No. 7085.

**XA390**—Your Cost.....

**\$2.40**

### Special Two Speed Pick-Up

Most recently developed type. Used in Model 331. Has flat response from 50 to 5000 cycles. Arm heavily counter-balanced to provide best needle pressure on both 78 and 33 R.P.M. records. Assembly comprises head with impedance of 28 ohms, arm, stop rod, escutcheon and connecting cable. Finished in dull silver. Shpg. wt. 8 lbs.

**XA388**—Your Cost.....

**\$5.17**

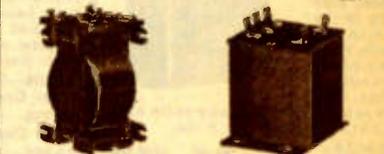
Head only for above. RCA No. 6542.

**XA392**—Your Cost.....

**\$2.49**

**NOTE**  
We can supply any RCA-Victor part at a discount of 40% from the list price.

### RCA Phono-Matching Transformers



Part No. 6053—Used in RCA Model 67. Matches 48.5 ohm pick-up to grid of tube. Shpg. wt. 2 lbs.

**XC1630**—Your Cost.....

**\$3.51**

Part No. 6226—Used in Models RE-20 and CE-29. Matches 20 ohm pick-up to grid. Shpg. wt. 2 lbs.

**XC1631**—Your Cost.....

**\$1.65**

Part No. 6238—For Models RE-18 and RE-18A. Matches 20 ohm pick-up to grid of tube. Shpg. wt. 2 lbs.

**XC1632**—Your Cost.....

**\$1.44**

Part No. 7083—For Models T-5, RE-57, RE-16, RE-16A, R-86, RAE-68 and R-73. Matches 20 ohm pick-up to grid. Shpg. wt. 2 lbs.

**XC1633**—Your Cost.....

**\$3.00**

Part No. 7445—For Models PT-33 and RE-19. Matches a 12.7 ohm pick-up to grid of tube. Shpg. wt. 2 lbs.

**XC1634**—Your Cost.....

**\$1.68**

Part No. 7632—For Model 331. Also contains one reactor, two capacitors and two resistors in the container. Matches 28 ohm pick up to grid. Shpg. wt. 3 lbs.

**XC1635**—Your Cost.....

**\$3.27**

Every Day is BARGAIN DAY at Wholesale Radio Service Co. Inc.

# PHONO-MOTORS • Record Changers & ACCESSORIES

## GREEN FLYER Governor Controlled

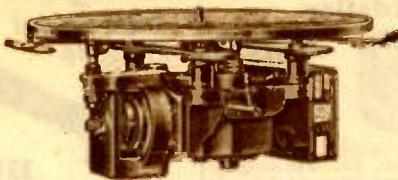
Two Speed  
Motor

33 1/4 or 78

R. P. M.

for A. C.

Operation



May be adjusted for either 78 or 33 1/4 R. P. M. records. Gears are completely enclosed and run in oil. Silent laminated bakelite spiral cut gears. Oversized, self-lubricated bearings. Will not overheat in closed cabinet. 10" turntable. Has dial and pointer. Hardware bronze finished. Automatic stop available at slightly additional cost. Shpg. wt. 15 lbs.

XA100—Two Speed 110 volt, 50-60 cycle A. C.

Your Cost

XA102—Single Speed 78 R. P. M. Motor.

Your Cost

**\$9.41**

**\$7.35**

### Special 6 Volt Motors

Same quality as above, but for 6 volt operation. Especially designed for sound truck installations. Will stand hard usage without giving trouble. Complete with 10" turntable. Shpg. wt. 15 lbs.

XA127—Two-Speed, same as XA100 but for 6 volt

operation.

Your Cost

XA128—Single Speed, 78 R. P. M., 6 volt operation.

Your Cost

**\$13.82**

**\$12.35**

### Special Recording Motor, Dual Speed

Similar specifications to Model XA100, but field and rotor are 1/2" longer and motor is much more powerful. Special Green Flyer governor keeps speed constant under varying load conditions. Complete with 12" turntable. Shpg. wt. 15 lbs.

XA120—For 105-120 volts, 50-60 cycle A. C.

Your Cost

**\$10.44**

### Universal A. C.-D. C. Motor

Operates equally well on 110 volts A. C. or D. C. Silent in operation, with unvarying speed. Complete with 10" turntable and automatic stop. All metal parts rust proofed. For 78 R. P. M. records only. Shpg. wt. 11 lbs.

XA126—Your Cost

**\$11.47**

Add 30c to any of above prices if a 12" turntable is desired. Motors for other voltages supplied at an additional 95c.

## PACKARD Record Changer

Sturdy construction, simple to operate. Uses powerful two speed motor that plays either 78 or 33 1/4 R. P. M. records. Plays eight 10" records automatically, repeating or rejecting any record at will. Plays 12" records manually. Last record repeats until switch is turned off. Uses new high impedance pick-up of the flat type with automatic weight adjustment. Entire unit built of copper plated steel, with all exposed parts finished in stauary bronze. Requires space 17 1/2" long, 5 1/2" high and 13 1/2" wide. For 110 volts, 60 cycles A. C. Shpg. wt. 30 lbs.

XY19820—Your Cost



**\$27.81**

## Lafayette Dual Speed Electric Portable Motor and Pick-Up



Finest portable outfit obtainable. Uses genuine two-speed Green Flyer motor. Either 78 or 33 1/4 R. P. M. speeds selected by a shift lever. 12" felt covered turntable. Employs newly developed Webster High Fidelity pick-up (high impedance), with built-in volume control. Flat type, balanced so that no counter-weight is necessary. Sturdily built case covered with grained Fabrikoid. Size 17 1/4 x 13 1/2 x 8". For 110 volt 60 cycle A. C. operation. Shpg. wt. 25 lbs.

XY22031—List \$60.00

Your Cost

Similarly to the above, but with Piezo Crystal Pick-up. Provides exceptionally fine reproduction.

XY22013—Your Cost

**\$23.95**

**\$27.50**

### Special Single Speed Portable Motor and Pick-Up

Similar to the above, but with a Diehl single speed motor for 78 R. P. M. records. With turntable, needle cup and regulator. Shpg. wt. 24 lbs. For 110 volts, 60 cycle A. C.

XY22049—Your Cost

**\$16.95**

## Trutest Scratch Filter

Eliminates needle scratch. Filters out the noise frequencies. Has tip jacks on input side, binding posts on output side. Can be used with any phono-radio combination. Shpg. wt. 3 lbs.



XA118—Your Cost

**\$1.75**

## Automatic Stop

Fully adjustable. Mounts under any turntable. Heavy duty type, will last indefinitely.



XA136—Your Cost

**60c**

## Genuine Diamond Cutting Needle

Same as those used in professional studios for recording. Genuine diamond point. Only a fortunate purchase allows us to sell them at this "give away" price. Quantity is limited.

XA132—Your Cost

**\$1.75**

## RCA Model R-93 Record Player

A small electric motor and magnetic pick-up assembly housed in an attractive walnut finished cabinet measuring only 10 1/4" long, 8" wide and 5" high. May be used in any convenient location in room, in conjunction with any radio receiver (A. C.). Plays either 10" or 12" standard records (78 R. P. M.). Motor is induction type, hand starting. Pick-up employs visaloid long life damping block. Volume control is built in. Phono-radio Switch included. Shpg. wt. 10 lbs.

XA104—List \$16.50

Your Cost

XA355—Motor only. Shpg. wt. 7 lbs.

Your Cost

XA356—Pick-up only. Shpg. wt. 2 lbs.

Your Cost



**\$9.90**

**\$4.80**

**\$3.00**

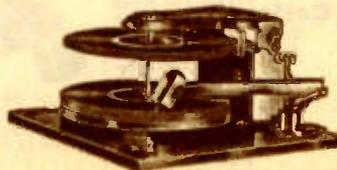
## Dual Speed CAPEHART Automatic Record Changer

Latest Model  
10-12C-2

Equipped with the New balanced electrical pick-up. Excellent device for the home, public address systems, etc. 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 encore 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. Base, 14 1/2 x 14 1/2". Height above mounting board, 7 1/4"; depth below 3 1/4". Shpg. wt. 30 lbs.

X517750—Mechanism complete, less cabinet.

Your Cost



**\$59.50**

## Dual Speed Adapter



Can be attached to any phono-motor, in place of turntable. Lever selects either 78 or 33 1/4 R. P. M. speeds. Disc is 12" in diameter; will accommodate all records. Shpg. wt. 7 lbs.

XY19893—List \$6.

Your Cost

**\$3.53**

## RCA Phono Needles

STEEL

Available in Half Tone, Full Tone and Extra Large Tone. Half Tone needles packed 75 to envelope; others 100 to envelope. Specify type desired.

XA154—Your Cost, per Envelope

**10c**

CHROMIUM

Semi-permanent needles. Available for use with 78 R. P. M. recordings (green shank) and for 33 1/4 R. P. M. recordings (orange shank). Six to a package.

XA155—Orange (33 1/4 R. P. M.)

XA357—Green (78 R. P. M.)

Your Cost, Either Type

Package of Six

**25c**

TUNGSTONE

Also semi-permanent type. Available in Full Tone and Extra Loud Tone sizes. Packed 8 to a container.

XA157—Extra Loud Tone

XA158—Full Tone

Your Cost, Either Type

Container of 8

**25c**

# Duall SUPER RECORDER

Some of the many features of the new Duall Recorder are: a positive feed for the recording head that provides uniform spacing of lines and prevents overlapping. Choice of either aluminum or celluloid recording heads (celluloid recommended). Plezo-electric "Crystal" Pickup for reproduction. Cutter head, 15 or 500 ohms impedance. Specially designed 1-20 H. P. motor. Rim drive assuring constant 78 R. P. M. speed. Vibration proof mounting. Standard Assembly consists of: motor and turntable for 78 R. P. M., overhead feed mechanism for 80-line recordings on 12 inch records. Feed outside-in. Cutting head for celluloid (if aluminum is preferred, specify). Cutting head, 15 to 500 ohms. Driving pins for celluloid are provided—which can easily be removed when recording on aluminum. A high impedance Crystal Play-back Pickup. Motor is for 115 volt, 50 to 60-cycle. All metal parts above, base chrome plated. Shpg. wt. 30 lbs.

**XY19889—List \$275.00**  
**Your Cost \$147.50**

Same equipment as above, but with two-speed motor for both 78 and 38 1/2 R. P. M. recording. Complete. Shpg. wt. 34 lbs.  
**XY19890—List \$330.00**  
**Your Cost \$180.00**

## Overhead Feed Mechanism

Overhead feed mechanism only for attaching to your present turntable. Motor should be of constant speed and have a rating of 1/20th horsepower for best results. Cutter head impedance 15 ohms. Shpg. wt. 12 lbs.

**XY19891—List \$85.00. Your Cost \$48.00**

Extra feed screws for 88, 96 or more lines for above overhead feed mechanism. Specify whether for celluloid or aluminum. Shpg. wt. 6 lbs.

**XY19892—List \$18.00. Your Cost \$8.00**



"High Fidelity" Recorder

The Duall Super Recorder is available with a new specially developed cutter head that has "high fidelity" characteristics. It is flat within 2 db. from 100 to 5500 cycles. A special magnet having an unusually high percentage of cobalt steel is employed. This together with a new method of damping has increased the efficiency of the recorder several-fold. In all other respects it is identical to the Standard Super Recorder listed above. For Acetate Records only.

**XY22080—Single speed "High Fidelity." \$159.50**

**Your Cost \$159.50**

**XY22081—Two speed "High Fidelity." \$192.50**

**Your Cost \$192.50**

## Genuine Sapphire Reproducing and Cutting Needles

Have genuine sapphire points. Ideal for cutting and recording on all types of discs.

**XA192—For cutting and recording on blank aluminum. \$2.05**

**Your Cost \$2.05**

**XA194—For recording on pre-grooved composition and celluloid. Your Cost \$2.45**

**XA196—For reproducing any standard record. \$1.75**

**Your Cost \$1.75**

**XA198—For cutting and recording on celluloid. \$3.75**

**Your Cost \$3.75**

## Acetate Needles

Special needles for playing back celluloid records.

**XA209—Envelope of 12 \$1.00**

**Your Cost \$1.00**

## Fibre Needles

For use in reproducing aluminum recordings. Prolong record life.

**XA343—Envelope of 12 \$1.00**

**Your Cost \$1.00**

## Steel Needles

For cutting celluloid records.

**XA344—Envelope of 5. \$7.50**

**Your Cost \$7.50**

**XA341—For aluminum. \$5.00**

**Your Cost Each \$5.00**



## Double Faced Type

Designed primarily for experimental use, these records will afford fine recordings. Of flexible composition, double faced. To be played back with RCA-Victor Home Recording Needles or similar types.

**XA381—6" Blanks. Package of Four \$66.00**

**Your Cost \$66.00**

**XA382—10" Blanks. Package of Two \$66.00**

**Your Cost \$66.00**

**XA383—12" Blanks \$1.23**

**Your Cost Each \$1.23**



6 volts. No lag in cutting; maximum brilliancy and full, clear reproduction assured. Arm is aluminum casting; all bearings adjustable pivot type. Lever adjusted spring sets needle pressure from 2 to 12 ounces. 15 ohms impedance. Shpg. wt. 5 lbs.

**XN13538—List \$50.00 Your Cost \$29.40**

**16-Inch Lead Screw for above. 100 lines per inch. \$8.82**

**XN13539—Your Cost \$8.82**

# ROTARY CONVERTORS

## Lafayette Rotary Converters with Radio Filter

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



32 Volts D. C. to 110 Volts A. C.				110 Volts D. C. to 110 Volts A. C.			
Stock No.	Output Watts	Input Amps.	Your Cost	Stock No.	Output Watts	Input Amps.	Your Cost
XS17208	150	7.8	\$24.95	XS17210	150	2.23	\$24.95
XS17209	300	15.0	\$33.95	XS17211	300	4.0	\$33.95

## JANETTE Rotary Converters

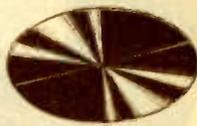
For operating 110 volt, 60 cycle A. C. electrical appliances, radios, P. A. Systems, etc., from D. C. supplies. Models available for any voltage from 6 to 220 volts as listed below. All are equipped with interference filters to prevent noise reaching the radio. If filter is not required, write for prices on model desired. Sizes are listed suitable for practically any requirement from small midget radios up to large Public Address Systems, Transmitters, etc.



Stock No.	Output Watts	Input Amps.	Your Cost
32 v. D.C. to 110 v. 60 cycle A.C.			
XY19806	80	5.4	\$26.41
XY19800	110	6.5	28.47
XY19801	150	8.5	31.56
XY19802	300	15	44.25
XY19813	400	18	62.43
XY19814	650	27	79.93
220 v. D.C. to 110 v. 60 cycle A.C.			
XY19815	150	1.2	32.93
6 v. D.C. to 110 v. 60 cycle A.C.			
XY19808	30	13	27.79
XY19818	60	24	44.25

Stock No.	Output Watts	Input Amps.	Your Cost
110 115 v. D.C. to 110 v. 60 cycle A.C.			
XY19807	80	1.3	\$26.41
XY19803	110	1.9	28.47
XY19804	150	2.4	31.56
XY19805	300	4.0	44.25
XY19815	500	6.4	62.43
12 v. D.C. to 110 v. 60 cycle A.C.			
XY19817	80	6.5	27.79
XY19839	80	15	32.25
XY19870	120	18	37.39
XY19876	160	22	52.84

## Acetate Coated Aluminum Record Blanks



These recording blanks are entirely different—they have an aluminum base and are coated with a special acetate compound. They are cut exactly the same way that celluloid is cut but will give far better results than either celluloid or aluminum blanks. The purity of the coating eliminates the scratch due to gritty surfaces. Not pre-grooved. Shpg. wt. per 3 blanks, 3 lbs.

Stock No.	Size	Your Cost Each
XA348	6"	\$0.40
XA349	8"	.50
XA351	10"	.80
XA352	12"	1.00
XA353	16"	1.65

## Plain Aluminum Record Blanks

For those preferring the ordinary aluminum blank we offer the following in plain and pre-grooved:

Stock No.	Size	Your Cost Each
Plain		
XA200	6"	\$0.16
XA201	8"	.23
XA202	10"	.33
XA203	12"	.50

## Pre-grooved

XA204	6"	.18
XA205	8"	.30
XA206	10"	.44
XA207	12"	.57

## UNIVERSAL "Silveroid" Blanks

Newly developed full frequency record blanks. Have aluminum base with special formula coating. Will make recordings comparable to commercial records. Most important, there is practically no needle scratch. Supplied ungrooved only in 10" and 12" sizes. Will last indefinitely if properly used.

XA386—10" Blanks	<b>71¢</b>
Your Cost Each	
XA387—12" Blanks	<b>88¢</b>
Your Cost Each	

# S.W. Receivers for the Ham



## Amateur Communications Receiver Model ACR-136



- ★ 540 to 18,000 K.C. ★ No Plug-in Coils ★ 1 Stage of R.F.
- ★ Complete Band Spread ★ Beat Frequency Oscillator

Amateurs, "hams" and short wave enthusiasts will welcome the addition of this new receiver to the RCA line. A superheterodyne circuit is employed with one stage of tuned R.F., which assures low image frequency response and high signal to noise ratio. There is sufficient sensitivity to go well below the noise level in almost any location. Seven high gain tubes are used as follows: 1-6D6 as R.F. Amplifier; 1-6A7 as Oscillator and Mixer; 1-6D6 as I.F. Amplifier; 1-6B7 as combined Second Detector, AVC and Audio Amplifier; 1-6D6 Beat Frequency Oscillator; 1-41 Output Tube and 1-80 rectifier. Tuning range covers the spectrum from 540 to 18,000 K.C. (650-16.5 meters), taking in the entire short wave band and the American broadcast band. Desired band is selected by means of a switch on the front panel. Each band has separate coils.

### CIRCUIT FEATURES

Circuit features include: an efficient AVC circuit with provisions for cutting out its action; a beat note oscillator; a full range tone control; a phone jack (when phones are plugged in speaker is muted); a "stand-by" switch which removes plate voltages from tubes during periods of transmission; a two-speed Vernier dial with 10 to 1 and 50 to 1 ratios; a built-in electro-dynamic speaker. Eight control knobs for all operations on front panel of the metal cabinet. Size 22x10 1/2 x 11 1/2". Shpg. wt. 17 lbs. **XN13814** Model ACR-136 Receiver, complete with tubes, power supply, speaker, etc. **\$69.50** NOTHING ELSE TO BUY. Your Cost

## NATIONAL "FB-7A" "FBX-A" Receivers



These efficient S. W. supers are well known to the trade. Employ 7 tubes (not including rectifier) in a high gain circuit. Feature high selectivity and sensitivity, uniform gain over entire range, band spread tuning, beat oscillator, etc. FBX-A is same as FB-7A except that it includes a crystal filter. Tubes used are: 1-56, 1-67, 2-58's, 1-59 and 2-24's. Full vision dial, calibration chart, plug-in coils and all controls mounted directly on front panel. In black crystalline finished metal cabinets. Shpg. wt. 29 lbs. each. Range 34 M.C. to 1500 K.C.

- XN13867** FB-7A Receiver complete, less tubes, coils and power supply. **\$37.50** List \$62.50. Your Cost
- XN13871** FBX-A Receiver complete, less tubes, coils and power supply. List \$86.50. Your Cost. **\$51.90**
- XN13877** 5897A B Power Supply for use with either receiver. 115 volts, 60 cycles, less tube. List \$26.50. Your Cost **\$15.90**

## NATIONAL "HRO"

### 9-Tube Super-Het. Amateur Receiver

Designed for the advanced amateur. The 2 1/2 volt model (HRO-2) uses 4-56's, 3-57's, 1-2B7 and 1-2A5; the six volt model (HRO-6) uses 4-6D6's, 3-6C6's, 1-6B7 and 1-42. Power supply for A. C. operation, either type, requires 1-80 rectifier. A model with built-in power supply, HRO-S, is also available. Features include: two stages of pre-selection, crystal filter, manual or AVC, vacuum tube voltmeter, Neon trigger lamp, etc. Ganged plug-in coils. Complete set of coils supplied to cover from 1.7 to 30 M. C. Size of metal cabinet 8 1/2 x 17 1/4 x 10". Rack Panel available. Shpg. wt. 30 lbs.

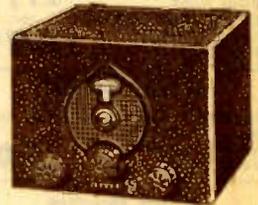
- XN13770** HRO-2 Receiver complete with coils, less tubes, speaker and power supply. List \$233.00
- XN13771** HRO-6 Receiver, complete with coils, less tubes, speaker and power supply. List \$233.00 **\$139.80** Your Cost, Either Type
- XN13772** HRO-S Receiver with built-in power supply and full set of coils. **\$154.20** Less tubes and speaker. List \$257.00. Your Cost
- XN14520** Additional Coils covering from 550 to 900 K.C.
- XN14521** Additional Coils covering from 900 to 1700 K.C. **\$12.00**



## NATIONAL SW-3

Three tube S. W. receiver. Uses XR-39 plug-in coils. A. C. model uses 2-58's and 1-27; D. C. 6 volt model uses 2-36's and 1-37; D. C. 2 volt model uses 2-32's and 1-30. Shpg. wt. 20 lbs. All prices less tubes, coils and power supply. **XN13817** A. C. Model. **XN13819** 6 Volt D. C. Model. **\$19.50** Your Cost, Any Type

- XN13807** 5880AB Power Supply for A. C. Model. **\$15.90** List \$26.50. Your Cost

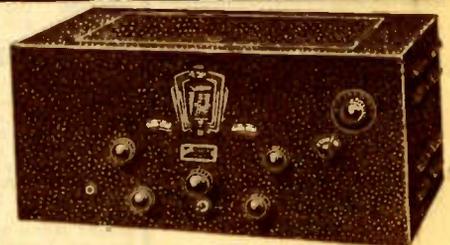


**NOTE:** A complete listing of plug-in coils for National Models FB-7A, FBX-A and SW-3 receivers will be found on page 54 in Catalog Number 56.

# HAMMARLUND Comet "Pro"

This exceptional short wave super covers a band of frequencies from 1500 to 20,000 K.C. using four sets of coils. Bandspreading can be obtained at any frequency. Employs air tuned Litz wire I.F. coils. Excellent sensitivity and selectivity characteristics. Crystal filter optional. Uses 4-58's, 2-57's, 1-2A5 and 1-80. Output 3 watts. In black crystalline finished cabinet. For use on 110 volts, 60 cycles A. C. Other voltages and frequencies available, prices on request. All prices shown are less tubes, but with four coils covering from 15 to 250 meters. Shpg. wt. 51 lbs.

- XN13833** Standard "Pro" with cabinet. List \$150.00 **\$88.00** Your Cost
- XN13836** Standard "Pro" Chassis only. List \$135.00 **\$79.38** Your Cost
- XN13847** "Pro" with Crystal Filter, in Cabinet. List \$180.00. **\$105.84** Your Cost
- XN13848** "Pro" with Crystal Filter, Chassis only. List \$165.00. **\$97.02** Your Cost
- XH8492** Additional "Pro" coils for 8 to 16 meters. **\$2.94**
- XH8491** Additional "Pro" coils for 250 to 550 meters. **\$2.94**
- XW19136** Specially matched Lafayette 11" A. C. Speaker chassis for use with "Pro" receivers. **\$7.95** Your Cost



### Advanced "Super Pro"

- The new 15 tube S. W. Superhet. Considered finest obtainable. Uses 1-6A7, 5-6D6's, 2-6B7's, 2-6C6's, 3-42's, 1-5Z3 and 1-1V. Two R. F. stages precede first detector. Band spread tuning at all frequencies. No plug-in coils. Crystal filter optional. Covers range from 15 to 560 meters in 5 steps. Receiver and power supply in crystalline finished metal cabinets. Shpg. wt. 70 lbs.
- XN13910** "Super Pro" complete with power supply, tubes, and special 12" speaker. List \$280.00. **\$164.64** Your Cost
- XN13911** Same as above, with Crystal Filter. List \$310.00. **\$182.28** Your Cost

### "XP-53"

#### S. W. Plug-in Coils



Constructed using "XP-53", the newly developed low loss material. Unaffected by moisture or temperature changes. Precision wound on ribbed forms. Fit standard sockets. Size 3 1/2" long, 1 1/4" diam. Shpg. wt. 1 lb.

#### Short Wave Coils—4-Prong

Cover from 16 to 217 meters. Four coils to set. Full instructions included.

**XH9788—Set of Four** **1.76**  
Your Cost

Similar to the above, but with 6-prongs, three windings.

**XH9789—Set of Four** **\$2.20**  
Your Cost

#### Broadcast Coil—4-Prong

Covers from 190 to 550 meters.

**XH9790—** **74¢**  
Your Cost

Similar to the above, but with six prongs and three windings.

**XH9791—Your Cost** **88¢**

#### Coil Forms

Unwound forms of "XP-53".

Stock No.	Prong	Your Cost Each
XH9970	4-Prong	21¢
XH9971	5-Prong	21¢
XH9972	6-Prong	24¢

### HAMMARLUND

#### Isolantite Coil Forms



Isolantite material is the finest for high frequency work. The form is equipped with a black enameled grip handle. Size 1 1/2" in diameter by 2 3/4" high, exclusive of knob and prongs.

**XH10056—4-Prong Form**  
**XH10057—5-Prong Form**  
**XH10058—6-Prong Form**

Shpg. wt. 1 lb.  
Your Cost **58¢**  
Each

### HAMMARLUND Litz

#### Wire Wound I. F. Transformers



##### Air Tuned

Retain their original settings to within 1-10 of 1%. Designed for use with 58 or 35 type tubes. Shield can 2 1/2 x 5". Oscillator equipped with tuning lever to vary beat note. Shpg. wt. 1 lb.

**XH8542—465 K. C., I. F.**

**XH8498—465 K. C., c. t.**

**XH8543—465 K. C., beat oscillator.**

**XH8544—175 K. C., I. F.**

**XH8493—175 K. C., c. t.**

Your Cost, **\$2.65**  
Any Type

##### Mica Tuned

Specially designed for experimental and replacement purposes. 465 Kc. is Litz wound. Designed for use with 58 or 35 type tubes. Have isolantite base trimmers. Wax impregnation and sturdy construction provide excellent stability. Shield is 1 3/4" square by 3 1/4" high.

**XH8539—Peaked at 175 K. C.**

**XH8540—Peaked at 465 K. C.**

Your Cost, **97¢**  
Either Type



#### Air Padding Condensers

Isolantite mounted air padding condensers that will fit 1 1/2" diameter cans. Have .015" air gap. Screwdriver adjustment.

Stock No.	Capacity Mmfd.	Your Cost
XH8623	25	\$0.76
XH8624	50	.88
XH8625	75	1.00
XH8626	100	1.12

#### Mica Trimmers

Isolantite base. Size 1 x 1 3/4"; mtg. centers 1 1/4". Hold adjustments.



Stock No.	Capacity Mmfd.	Your Cost
XH9952	10-70	\$0.30
XH9953	70-140	.35
XH9954	140-220	.41
XH9955	600-1000	.59

### HAMMARLUND Midget Condensers



Soldered plates, fitted bearings, Isolantite insulation. Four point bronze wiping contacts. Has bushing

Lock. Shpg. wt. 3 lbs.

#### Dual Midget Condensers

**XH8519—140 mmf. per section.**

Your Cost **\$2.36**

**XH8520—100 mmf. per section.**

Your Cost **\$2.06**

#### Single Units

Stock No.	Plates	Capy. Min.	Mmfd. Max.	Your Cost
XH8503*	3	3	20	\$0.82
XH8504*	5	4	35	.88
XH8505*	7	5	50	.94
XH8506*	11	6	80	1.18
XH8507*	11	6	80	1.18
XH8508*	14	6	100	1.33
XH8509*	14	6	100	1.33
XH8510*	19	7	140	1.47
XH8511*	27	10	200	1.62
XH8512*	34	10	260	1.76
XH8513*	43	12	320	2.06

\*Semi-Circular; others Midline.

### Star Midget Condensers

For use in short wave transmitters, receivers, etc. Light in weight, strong and compact. Smooth in operation. Low loss bakelite insulation. Single hole mount, 1/2" shaft. Size 1 1/4" wide, 1 1/4" high. 1" bakelite knob. Shpg. wt. 1 lb.



Stock No.	Cap'y Mmfd.	Depth	Your Cost
XH8482	15	1 1/4"	\$0.50
XH8483	25	1 1/4"	.50
XH8484	50	1 1/4"	.53
XH8485	100	1 1/4"	.59
XH8186	140	1 1/4"	.73
XH8187*	35	1 1/4"	.59

\*Double Spaced Transmitting Condenser.

### NOTE

A more complete listing of Hammarlund Products will be found on pages 53, 64 and 65 of Catalog No. 56. Any item not listed can be obtained for you at a discount of 40 and 2%.

### Double Spaced Midget Condensers



Especially designed for use in transmitters. Air gap between rotor and stator is .0715". Mid-line plates. Isolantite insulation. Shpg. wt. 1 lb.

Stock No.	Cap'y Min.	Mmfd. Max.	Your Cost Each
XH8488	6	35	\$1.32
XH8489	7	50	1.62
XH8490*	6	33	2.06

\*Dual Condenser. Rating is for each section.

### Venier Dials

#### TYPE "A"



This type "A" with its smooth matchless mechanism, gives perfect control for highly selective circuits. The gearless transmission used permits a motion that is even and regular throughout. No backlash exists;

positive even drive. Ratio 5 to 1.  
**XN14375—4" dia. clockwise; 200 to 0; 360°.**  
**XN14376—4" dia. clockwise; 150 to 0; 270°.**  
**XN14373—3 3/4" diameter; counter-clockwise; 0 to 100; 180°.**

Your Cost Each **\$1.80**

#### TYPE "B" and "BM"

Variable ratio of 6 to 1 and 20 to 1. Black bakelite shell. 4" diameter. Type "B" is without light or bracket.

**XN14367—Clockwise; 200 to 0; 360°.**

**XN14368—Dual; 0 to 100 to 0; 180°.**

Your Cost **\$1.65**

Each



#### Dial Illuminator and Bracket

**XN14352—List 50c**

Your Cost **30¢**

#### Type "BM"—3" Dial

Similar to Type "B". Diameter 3". No variable ratio feature, and is not illuminated.

**XN14371—Dual range; 0 to 100 to 0.**

**XN14372—Clockwise; 200 to 0.**

Your Cost Each **\$1.50**

## NATIONAL

#### Air-Tuned I. F. Transformers



All adjustments to top of the shield. Double bearing precision condensers. Self-locking rotors; Isolantite insulation. Adjustable coupling. Litz wire wound. Beat oscillator coil equipped with knob for varying beat. Shpg. wt. 2 lbs. List \$5.00.  
**XN14442—465 K. C., I. F.**  
**XN14443—465 K. C., Beat Osc.**  
**XN14444—175 K. C., I. F.**  
**XN14448—175 K. C., Beat Osc.**

Your Cost **\$3.00**

Any Type

#### NATIONAL Isolantite Sockets

Reduce losses to a minimum. Suitable for either standard sub-panel or breadboard mounting. Prongs are self-cleaning type and grip prongs securely. List \$0.60



**XN14425—4-Prong**

**XN14427—6-Prong**

**XN14428—Special 6-Prong type for National coils.**

Your Cost Each, **36¢**

Any Type

We can supply any National product that is not listed on this page at a regular discount of 40% from list price.

### Experimenters Condenser

A low priced midget condenser for experimental purposes. Non-corrosive plates. Six rotor and six stator plates. Capacity 100 mmfd. Shpg. wt. 1 lb.  
**XN14322—**

Your Cost Each **60¢**



### Shielded Air Dielectric Padding Condensers

A completely shielded air-dielectric padding condenser. Isolantite insulation. 1 1/4" in diameter and 1 1/4" high for the 75 mmfd., and 1 1/2" for the 100 mmfd. Shpg. wt. 1 lb.

Stock No.	Cap'y Mmfd.	Your Cost
XH9745	75	\$1.35
XH9746	100	1.50

### Neutralizing Condenser

Suitable for neutralizing 45, 47, 10 and similar tubes in amplifier, buffer or doubler stage. Isolantite insulation, polished plates. Maximum capacity 18 mmfd. Shpg. wt. 1 lb.

**XN14299—List \$2.00**

Your Cost **\$1.20**



**EASY to BUILD**

# Browning 35



**ALL-WAVE SET**

**Only 7 Connections and the Antenna R. F., Detector and Oscillator Coils for All Four Bands are Connected!**

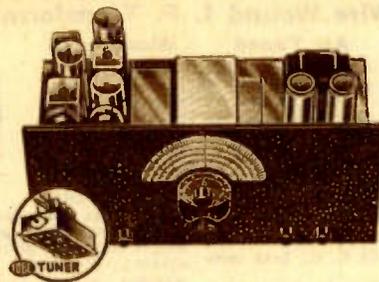
Now the most difficult part of all-wave receiver construction has been overcome by the introduction of the TOBE Tuner—a simplified, highly efficient coil and condenser catamount that eliminates all of the critical aligning adjustments. It incorporates within a single unit the three gang tuning condenser, the band change-over switch and ALL coils for the R. F., Detector and Oscillator stages together with their padding and trimming condensers. Only seven connections are made to this unit, and the most difficult part of all-wave receiver construction is completed.

**Four Bands**

The frequencies covered are from 22.6 M.C. to 540 K.C. (13.3 to 550 meters). Band one from 8.5 to 22.6 M.C.: Band two 3.4 to 9.1: Band three, 1.42 to 3.92: Band four, .54 to 1.52. All bands are clearly marked on the large full vision dial and extra dial scales are furnished for logging purposes and for special calibration.

**Mechanical Band Spread**

A unique method of band spreading makes use of an auxiliary dial that revolves over 360 degrees for each main dial division thus permitting the accurate logging of all stations at any part of the frequency range.



**Tuned "R. F." Stage**

Unlike most short wave receiver kits this one includes a stage of tuned radio frequency amplification ahead of the first detector. This provides a tremendous improvement in both sensitivity and selectivity on all bands.

**Band Pass I. F. Transformers**

Another unusual feature of this remarkable receiver is the incorporation of a link coil in the I. F. transformers which gives a "band pass" effect with the nose of the curve approximately 5 K. C. wide.

**Simplified Construction**

Despite the high efficiency of this receiver it is extremely simple to build because of the unique TOBE Tuner and the very clear instructions furnished with the kit. A complete series of large full scale drawings are supplied showing the progressive steps in wiring the receiver—you can't go wrong. All necessary parts are supplied including, nuts, bolts, washers, lugs, etc. The only items not included are the tubes, speaker, cabinet and antenna.

**No Plug-In Coils! Continuous Mechanical Band Spread! "Band Pass" I.F. Transformers! "R. F." Amplification!**

The "Browning" "35" is the answer to the custom set builders demand for a truly fine all-wave receiver that could be successfully built at home.

It is a 7 tube receiver that not only competes with factory-built sets but that actually outperforms many of them. It has all of the fine set features such as: a sensitivity of less than 1 microvolt and a selectivity of 10 K.C. on all bands.

Complete Kit of parts for Browning 35 including all necessary parts and diagrams but less tubes, speaker and cabinet. Shpg. wt. 25 lbs. List \$66.50

**XY22182—Your Cost \$39.90**

**XY22183—Your Cost \$18.60**

Black Metal Cabinet. Shpg. wt. 10 lbs. \$3.60

Special matched 10" Dynamic Speaker. Shpg. wt. 10 lbs. \$5.59

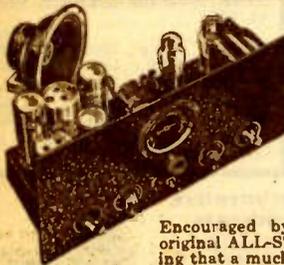
XY22184—Your Cost \$3.53

Special matched 6 1/2" Dynamic Speaker. Shpg. wt. 6 lbs. \$3.53

XY22185—Your Cost \$1.00

Extra set of blue prints, diagrams and instructions. XY22186—Your Cost \$1.00

**BUILD YOUR OWN ALL-STAR JR ALL-WAVE Superheterodyne**



**All-wave Receiver Kit**

- ★ All Wave Reception
- ★ 5 Latest Type Tubes
- ★ Beat Frequency Oscillator
- ★ Pre-adjusted Coils

Encouraged by the remarkable success of the original ALL-STAR SENIOR Receiver and realizing that a much greater need exists for an all-wave super—capable of dependable foreign reception at a still lower price, the eight sponsor manufacturers of the ALL-STAR SENIOR, aided by three additional firms, have now developed a smaller set, the ALL-STAR JUNIOR.

While not possessing quite the power and range of the original ALL-STAR SENIOR, this new JUNIOR set gives practically equivalent performance at only about two thirds the cost. Here is a set that is ideally suited for the amateur or the short wave fan—a set that anyone can afford and anyone can build.

**Important Features**

It has all of the important features of the Senior model such as: continuous band spread, pre-adjusted coils, beat frequency oscillator, etc. Only a total of 5 tubes are used—yet all of the important features are retained and the beat oscillator is included without the need of additional parts or tubes.

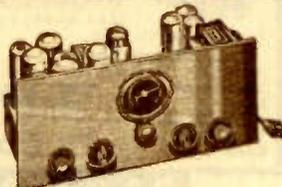
**Simple Construction**

It is easy to build. The instructions furnished are thorough and clear—practically anyone can build this receiver in a few hours time. All the holes are already punched in the chassis and panel, no drilling is necessary. Only a screwdriver, a soldering iron and a pair of pliers are needed.

XY22198—Complete Kit of ALL parts required to complete the receiver with the exception of tubes, speaker, cabinet and aerial. Shpg. wt. 20 lbs. \$26.19

- Your Cost \$2.06**
- XW19287—Special Matched Speaker Kit of Matched Tubes \$2.97
  - XY22178—Special Metal Cabinet. Crackle finish \$3.95
  - XY22179—Special Etched Metal Panel \$2.06

**CONTINUOUS BAND-SPREAD ALL-STAR ALL-WAVE Superheterodyne**



**SENIOR ALL-WAVE Receiver**

- ★ Continuous "Band Spread"
- ★ 10 to 500 Meters
- ★ 6 Tube Super-heterodyne
- ★ Simple Construction

This excellent all-wave receiver has now become famous amongst short wave enthusiasts for its amazingly fine performance. Sponsored by eight of the leading parts manufacturers it includes in its construction only the finest of components. Transformers by Thordarson, Coils by Melssner, Condensers (variable) by Hammarlund, Condensers (fixed) by Cornell-Dubilier, Volume Controls by Electrad, Dials by Crowe, Resistors by Ohmite, and Wire by Belden. All of the latest ideas in short wave receiver design from the laboratories of these eight manufacturers were gathered together and incorporated in the design of this receiver—a set that assures unequalled WORLD-WIDE RECEPTION.

**Continuous Band Spread, Suited for Amateur Use**

True "band spreading" is accomplished by the use of separate "tank" and tuning condensers. Band spread tuning is possible at any frequency in any band covered by the receiver.

**Seven Tube Superheterodyne Circuit**

Seven of the latest type tubes are used in the highly efficient circuit. A 2A7 tube is used as the combined mixer and oscillator, two type 58's as intermediate frequency amplifiers, a type 56 as second detector, a type 2A5 pentode power tube and a type 80 rectifier in the power supply. Another type 58 as a beat frequency oscillator is optional and is not included in the essential kit.

XY22199—Complete Essential Kit of Parts. \$31.54

- Your Cost \$2.50**
- XM12366—Chassis with all cut-outs \$2.50
  - XY22181—Miscellaneous Parts (sockets, shields, etc.) required to complete receiver \$2.21
  - XY19292—Special Matched Speaker. Your Cost \$2.75

Complete Kit of Matched Tubes \$3.00

XY22178—Special Metal Cabinet. Your Cost \$3.95

XY22180—Special Etched panel. Your Cost \$2.06

**FREE**  
Write for FREE hookups, parts, lists, etc., of the ALL-STAR Kits.



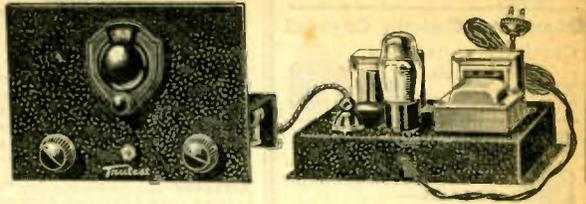
# EXPERIMENTERS build your own SHORT WAVE SETS and SAVE MONEY

## "TROPHY WINNER" 3 S. W. KIT 3 Tube—A. C.—For the D. X. Fan

A complete, easy to assemble Short Wave Receiver Kit for operation on 110 volts, 60 cycle A. C. Uses 3 tubes (not including rectifier) in a highly efficient circuit as follows: a 58 is used in a stage of R. F. amplification; a 57 as a regenerative super-sensitive pentode detector and a 2A5 pentode power amplifier. An output of almost 3 watts is afforded. Panel and chassis are of metal finished in black crystallized lacquer. Tuning is accomplished by means of a vernier dial having a fairly high ratio. Unique circuit arrangement permits use of either "band spread" or standard circuit. Power supply kit includes all necessary parts. Receiver chassis is easily connected to power supply by means of a cable and plug. Shpg. wt., Receiver Kit 5 lbs.; Power Pack Kit 8 lbs.

**XN13905**—Complete kit of parts, with wiring diagram and instructions for assembly, less coils, tubes and power supply. **Your Cost**..... **\$9.75**

**XN13906**—Power Supply Kit, less tube. **Your Cost**..... **\$4.95**

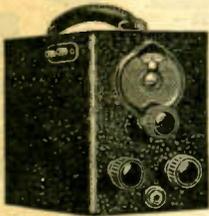


**XN13907**—Special Coils covering from 16 to 200 meters. **Your Cost, Per Set**..... **\$1.25**

**XN13908**—Kit of matched tubes for receiver and power supply. **Your Cost**..... **\$2.15**

**XN13985**—Complete kit of parts with coils, power supply kit and tubes. **Your Cost**..... **\$17.25**  
Set wired in our laboratory..... **\$2.50 additional.**

## The "Band Spread" Portable



A combined short wave receiver and monitor. Everything—receiver, batteries and coils housed inside the steel case. Two type 30 tubes are used as detector and audio amplifier. Regeneration is smooth and noiseless. Special "band spread" coils used are for the following amateur bands: 20, 40, 80 and 160 meters; for the following broadcast bands: 19, 26, 31 and 49 meters. In portable steel carrying case, size 8 3/4" x 6 1/2" x 5 1/4". Shpg. wt. 12 lbs.

Complete Kit of parts, less tubes, coils and batteries. **XN13960**—**Your Cost**..... **\$7.95**

**XN13962**—One Burgess 5308 "B" and one 2370 "A" batteries. **Your Cost**..... **\$1.18**

**XN13961**—Set of tubes (2-30's). **Your Cost**..... **\$0.86**

**XN13963**—Four Special Coils, Broadcast Bands. **Your Cost**..... **\$2.10**

**XN13964**—Four Special Coils, Ham Bands. **Your Cost, per Set of Four (Either Type)**..... **\$2.10**  
Set wired in our laboratory..... **\$1.95 additional.**

## Automatic Transceiver Set



A single button carbon mike (200 ohms) and a high impedance head phone in a bakelite hand set. Comparable with Western Electric quality. Four wires. Ideal for Transceivers. Shpg. wt. 4 lbs.

**XN13480**—**Your Cost**..... **\$9.75**

## Lafayette 5 Meter Antennas For Transceivers listed below



This doublet type antenna permits the tuning of the aerial to any desired frequency. Consists of two adjustable quarter wave rods with 12" insulating bracket. Length variable from 52" to 9 feet. Of aluminum, each half in three sections. Binding posts for feeders. Shpg. wt. 2 lbs.

**XR17080**—**Your Cost Each**..... **\$3.00**

## Matched Impedance Type

The matched impedance type of antenna is composed of one aluminum half-wave rod which is adjustable up to 110 inches. A brass collar is used to hold the feeders in place. This antenna is similar in appearance to the doublet type antenna, except the two arms are not insulated from each other. Complete with mounting base. Shpg. wt. 2 lbs.

**XR17079**—**Your Cost Each**..... **\$1.95**

## "Half Wave" Type



The half-wave type antenna may easily be mounted on an automobile, boat, etc. Composed of an adjustable half wave rod of aluminum. Threaded at bottom and equipped with insulated mounting. Adjustable from 38" to 9 feet. Binding post for feeder. Shpg. wt. 2 lbs.

**XR17081**—**Your Cost**..... **\$1.90**

# New! Lafayette Transceivers

## Types 19 and 30 for 56 to 60 Megacycles

Announced only a few short months ago the new Lafayette Transceivers are acknowledged leaders in the field today. The fine quality of the materials and workmanship used in their construction and their outstandingly fine performance have won for them this enviable position.

### Model "19"

The model "19" provides an exceptionally high output—approximately 2 watts—which is almost ten times that of the ordinary transceiver using the type 30 tube as oscillator.

The circuit consists of a type 19 tube used as a unity-coupled push-pull oscillator which is modulated by another type 19 as a class "B" audio amplifier which is driven by a type 30. As a receiver one type 19 is used as a push-pull super-regenerative detector with the type 30 and the other type 19 as the first and second stage audio amplifiers respectively. More than enough output is obtained for speaker operation. Hiss level on reception is especially low and the frequency stability on transmission of a particularly high order.

The transceiver is equipped with two aerial terminals so that a transmission line can be used. Jacks for both mike and headphones are provided on the face of the front panel.

The case is of steel finished in black crystallized lacquer and is equipped with a leather carrying handle. Dimensions: 15" high, 7 3/4" wide and 6 1/2" deep. Batteries required are 135 volt "B", 7.5 volt "C", one 4.5 volt battery and two No. 6 dry cells.

**XN13997**—Lafayette Type "19" Transceiver less tubes, batteries and accessories. Shpg. wt. 18 lbs. **Your Cost**..... **\$17.95**

Complete set of Burgess Batteries 3-5308, 1-2370, 1-5540, 2-6A. **Your Cost**..... **\$3.77**

Kit of matched Tubes. 1-30, 2-19's. **Your Cost**..... **\$1.73**

**XN13482**—AMERICAN Single Button Hand Mike **Your Cost**..... **\$3.75**

### Model "30"

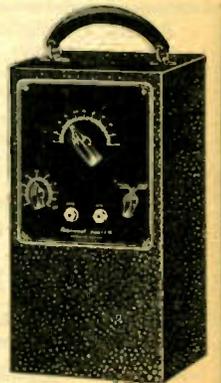
The model 30 Lafayette Transceiver has same external appearance as the model 19 shown at side. It is extremely economical to operate and will provide exceptionally long battery life. It uses the popular 30-33 tube combination in a circuit that is an exclusive Lafayette development. For transmission the 30 is used as an oscillator and the 33 as modulator—for reception the 30 becomes a very sensitive super-regenerative detector and the 33 is used as a high gain audio amplifier. Sufficient volume is available for loudspeaker operation. Inductances are wound with hard drawn copper and are rigidly mounted in place. Jacks for mike and headphones are provided. The entire back of the case is removable. Case is 15" high, 7 3/4" wide and 6 1/2" deep. Finished in black crystallized lacquer. Batteries required are 135 volt of "B", 13 1/2 volt "C" and two 1 1/2 volt dry cells. The only accessories required outside of the case are the antenna, mike and headphones. Complete instructions furnished.

**XN13986**—Lafayette Type "30" Transceiver less tubes, batteries and accessories. Shpg. wt. 15 lbs. **Your Cost**..... **\$9.95**

Complete set of Batteries (Burgess) 1-5156, 3-5308, 2-6A. **Your Cost**..... **\$3.72**

Kit of matched tubes, 1-30, 1-33. **Your Cost**..... **\$1.19**

**XN13435**—Kellogg Single Button Hand Mike **Your Cost**..... **\$1.95**



Despite the low power used in Transceivers a license is required for their operation.

Mail Your Orders to NEW YORK or ATLANTA

### Glass Enclosed Crystal Detector



Dust-proof. Super-sensitive crystal and easily adjusted cat-whisker that will hold its position.  
**XN13916—Your Cost \$22<sup>c</sup>**

### Mounted Galena Crystal

Carefully tested and mounted crystals.  
**XN13900—Your Cost 6<sup>c</sup>**



### Super-Sensitive Crystal



Gets more stations because it's extra-sensitive.  
**XN13901—Your Cost 14<sup>c</sup>**

### Fixed Crystal

A sensitive crystal with a permanently fixed contact. Carefully tested.  
**XN13913—Your Cost 44<sup>c</sup>**



### Crystal Detector



Ball and socket swivel adjustment.  
**XN13917—Your Cost 12<sup>c</sup>**

### "Blackbird" Crystal Set



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. Shpg. Wt. 5 lbs.  
**XN13887—Your Cost \$1.63**

### Ear Phone Cushions



These cushions made of soft rubber protect the ears from the pressure of headphones.  
**XN13940—Your Cost, Pair 22<sup>c</sup>**

### ACME Headphones

Wt. 5 ozs.



These phones are efficient, small in size; light in weight, and easily adjusted. The articulation is clear. Shells of polished aluminum.

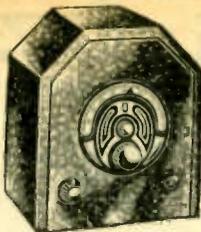
num. Shpg. wt. 1 lb.  
**XN13927—2000 ohms. 95<sup>c</sup>**  
**XN13928—4000 ohms. \$1.20**  
**Your Cost**

### NATHANIEL BALDWIN Type "C" Phones

This excellent phone has held a well-deserved popularity for many years. Extreme sensitivity and rugged construction make them the choice of professional and amateur alike. Mica diaphragms and balanced armature construction with powerful permanent magnets. Shpg. wt. 2 lbs.  
**XN13920—Per Pair \$3.50**



# RADIO SETS for the beginner



## PHILMORE 1, 2, and 3 Tube Sets

These compact little battery operated receivers have been especially designed for the beginner and for use as an extra set for use in the playroom, etc. Simplified single dial tuning permits operation by even the most inexperienced person. New type tubes keep the current consumption extremely low and make them economical to operate.

### 1-TUBE SET

**XN13880**—Requires one dry "A" battery, one 22½-volt "B" battery and one Type 230 tube; headphones and aerial.  
 Less accessories, **\$4.10**  
**Your Cost**

### 2-TUBE SET

**XN13882**—Requires two dry "A" batteries, one 45-volt "B" battery, two Type 230 tubes; headphones and aerial. Shpg. wt. 9 lbs.  
 Less accessories, **\$5.25**  
**Your Cost**

### 3-TUBE SET

**XN13884**—Requires two dry "A" batteries, two 45-volt "B" batteries, one 22½-volt "C" battery, two type 230 and one type 231 tubes. Headphones or magnetic speaker and aerial. Shpg. Wt. 33 lbs.  
**Your Cost \$7.45**  
 Less Accessories

### "Little Wonder" Crystal Sets



**53<sup>c</sup>**  
**NET**

Using no batteries or power of any kind; clear reception can be had within 10 to 25 miles of the broadcast station, depending upon local conditions. Shpg. wt. 1 lb.

**XN13889—Your Cost Each 53<sup>c</sup>**

### "Selective" Crystal Set



**\$2.38**  
**NET**

Crystal set has a tapped inductance and a variable condenser. Enclosed crystal detector and terminals for two pairs of phones. Shpg. wt. 5 lbs.

**XN13886—Your Cost \$2.38**

### I. C. A. Headphone Adapters



For use with any set. 3 ft. of cable connected to box having a toggle switch. Switch connects phones in grid circuit and cuts off speaker. Shpg. wt. 3 lbs.

For Single Output Tubes (Uses One Adapter)

Stock No.	Prongs	Your Cost
<b>XK11720</b>	4	<b>\$1.45</b>
<b>XK11721</b>	5	
<b>XK11722</b>	6	

For P. P. Output Tubes (Uses Two Adapters)

Stock No.	Prongs	Your Cost
<b>XK11723</b>	4	<b>\$1.63</b>
<b>XK11724</b>	5	
<b>XK11725</b>	6	

# HEADPHONES



### FROST DX Special Phones

**20,000 Ohms Impedance**

These phones fully meet the requirements of amateurs and DX fans. Are extremely sensitive. Easily adjustable; can be worn for hours without the slightest discomfort. Magnets are of a special steel; diaphragms of finest gauge metal. Shells of polished aluminum with black composition caps. Equipped with a five-foot flexible cord. Impedance of 20000 ohms.  
**XN13931—Your Cost \$2.50**

### FROST Standard

Long a big favorite with the radio man because of their all-round high quality, lightness of weight, and ease of adjustment for perfect comfort. Carefully and scientifically made. Shpg. wt. 2 lbs.

**XN13932—Per Pair, 2000 Ohms \$1.48**  
**XN13933—Per Pair, 3000 Ohms \$1.65**

### CANNON BALL Phones



A high grade, extremely sensitive pair of headphones at a price that defies competition. Aluminum shells. Adjustable web covered headbands. Molded hard rubber caps. Total resistance 2000 ohms. Complete with cords. Shpg. wt. 2 lbs.  
**XN13930—Your Cost \$1.25**



### TRIMM Featherweight Phones Wt. only 4 ozs.

One of the finest headsets ever designed. Despite their high quality and excellent performance they weigh only 4 ozs. Complete including the headband and the cord! Bakelite shell and cap. Forged cobalt steel magnet. Adjustable spring steel headband. Impedance 24000 ohms per pair. Shpg. wt. 1 lb.  
**XN13919—List \$10.00**  
**Your Cost, Per Pair \$5.88**

### BRANDES PHONES

They are full-size yet are unusually comfortable to wear. Shells are of polished aluminum. Resistance 2000 ohms. Adjustable. Web covered flexible steel headband. Complete with cord. Shpg. wt. 2 lbs.  
**XN13925—Per Pair \$1.49**

### Super-Sensitive Cat Whiskers

Finest wire—correct tension—sensitive.  
**XN13921—Envelope of 3. Your Cost 9<sup>c</sup>**



### Extension Cords

**Tinsel Centers**  
 Double covering of cotton insulating braid. Not suitable for carrying heavy current. Pin tips both ends. Stock No. Length Your Cost  
**XN13945** 10 \$0.18  
**XN13946** 20 .24  
**XN13947** 30 .35  
**XN13948** 40 .45  
**XN13949** 50 .49  
**XN13950** 100 .95

**Stranded Copper Wire Center**  
 Designed for heavier usage than the tinsel type. Rubber insulation with outside covering of cotton braid. Pin tip ends. Stock No. Length Your Cost  
**XN13951** 10 \$0.28  
**XN13952** 20 .35  
**XN13953** 30 .48  
**XN13954** 50 .95

### Bakelite Extension Cord Connector

Has two openings at either end for inserting two pin tips. Made of brown bakelite.  
**XM13051—Each 8<sup>c</sup>**  
**Per dozen \$0.85**



### Phone and Speaker Cords

Five-foot double cord. Spade tips one end; straight tips other. Cotton braid cover.  
**XN13955—List \$0.55**  
**Your Cost Each 19<sup>c</sup>**  
 As above with straight tips both ends.  
**XN13956—19<sup>c</sup>**  
**Your Cost Each**  
 Five-foot single cord with straight tips both ends.  
**XN13957—List \$0.35**  
**Your Cost Each 13<sup>c</sup>**

### Double Phone Plug



Will take one or two, phone or speaker cords or a combination of both. Colored Amerlay cap. Red, Blue, Green, Black. Metal nickelled. Has tie loop.  
**XP14886—Specify color. 22<sup>c</sup>**  
**Your Cost Each**

# DAYRAD Precision TEST EQUIPMENT

## English Reading Tube Checkers

### Portable Model

Constructed using the finest quality parts, these instruments incorporate all the most modern circuit developments. All of the present type tubes can be checked, and in addition, provisions have been made for testing tubes to be released in the future. The entire modified emission circuit is built around the new Dayrad 4" switchboard type meter of the square face, full vision type. Meter scale marked Good and Poor for instant selection. A small neon lamp is used to indicate noisy or leaky tubes. Leakages up to 2,000,000 ohms will show on the neon indicator. Shorts test complete between all elements, and due to the sensitivity of the circuit, will show minute shorts. All tests of leaky, noisy or shorted tubes made after tube has heated. Complete line control, using a tapped transformer, is included. Only three adjustments necessary for thorough check. Scale is also calibrated in ohms; jacks on panel allow measurements of from 0-40,000 ohms. Jacks are also provided to allow voltage measurements from 0-400 volts A. C. Instrument operates on 105-130 volts, 60 cycles A. C. Contained in fine walnut case with rubbed finish. Size 12x11x5½". Shpg. wt. 14 lbs.



XJ10870—  
Portable Model... **\$31.75**  
Your Cost...

### Counter Model

Essentially the same as the above, but housed in a distinctive two color metal cabinet. Meter in position to allow full vision to the customer. A real aid to the service man in satisfying his customers tube requirements. Size 16x15x5". Shpg. wt. 19 lbs.

XJ10871—  
Counter Model... **\$33.75**  
Your Cost Each



## Portable Set Tester Model 54

A complete set tester incorporating every modern development. The heart of the instrument is the new Dayrad 4" square type switchboard meter having a sensitivity of 1000 ohms per volt; full scale deflection at only 55 millivolts. Meter is arranged to be connected in any of the current, voltage tube or leakage circuits thru a special circuit selector switch. The following ranges are available: 0-5-25-125-500-1250 volts A. C. and D. C. and milliamperes D.C.; 0-3000-30,000-300,000-3,000,000 ohms; Condenser leakage in four ranges up to 30 megohms. Self-contained power supply (80 rectifier must be used) supplies D. C. potentials up to 500 volts in order that condensers may be tested under full rated load. All readings shown directly on meter. All readings thru analyzer plug and cable; may be taken externally. Contains 4½ volt battery for ohmmeter measurements. Comes complete with all necessary plugs, leads, cables and adapters which are carried in rear panel compartment. In walnut carrying case 12x11x5½". Shpg. wt. 14 lbs.



XJ10879—  
Dayrad 54 Series Set Tester... **\$49.50**  
Your Cost

## Special 4" Square Type Meter 0-1 Mils. D. C.

This new type 4" square switchboard meter has been adjusted to 1 milliamper at 55 millivolts. Has zero adjustment screw. Used in practically all types of test instruments. Polished bakelite case, full vision scale and knife edge pointer. Shpg. wt. 2 lbs.

XJ10481—Your Cost Each... **\$5.75**



**NOTE:** We can supply on special order any Dayrad test equipment that is not listed. Send for the literature on the complete Dayrad line which gives complete information and specifications on all their test instruments.

## All Wave Signal Generator Model 36

### A. C. Operated—Built-in Output Indicator

A newly designed signal generator designed for use in conjunction with the servicing of every type of radio receiver. Covers a range of frequencies from 60 K. C. to 60,000 K. C. (5000 to 5 meters), taking in the now popular 5 meter band. Six separate bands, using fundamental frequencies only, are used to cover this range. Individual coils; no tapped coils. Each band individually calibrated on the full vision scale, and selected by means of a range selector switch. Vernier dial makes critical adjustments easy. Absolute attenuation from lowest to highest frequency. Circuit uses 1-6C6 B. F. Electron Coupled Oscillator, 1-37 Audio Oscillator and 1-37 rectifier. Operates on 110 volts, 50-60 cycles A. C. A 400 cycle note is available. Signal modulated or unmodulated as desired. Low and high output connections on panel. Built-in neon tube output indicator with variable control. All circuits completely shielded. In metal case finished in black crystalline. Size 10x7x4½". Shpg. wt. 14 lbs.

XJ10872—Signal Generator complete with tubes... **\$31.75**  
Your Cost

### Battery Operated Mode

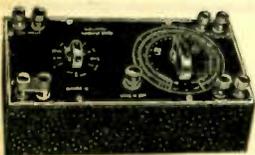
This model is similar to the A. C. model that is described above, except that it uses batteries. Two 30 type tubes are used, one as an oscillator and the other as a modulator. It has a range that covers a band of frequencies from 60 K. C. to 20,000 K. C. (5000 to 15 meters). The batteries are all incased in the generator and well shielded.

XJ10873—Your Cost... **\$31.75**



110 volts, 50-60 cycles A. C. A 400 cycle note is available. Signal modulated or unmodulated as desired. Low and high output connections on panel. Built-in neon tube output indicator with variable control. All circuits completely shielded. In metal case finished in black crystalline. Size 10x7x4½". Shpg. wt. 14 lbs.

## New Lafayette Universal Bridge



This new Lafayette bridge contains five resistance and three capacity standards. With these internal standards it is possible to measure resistance from .01 to 1,000,000 ohms and capacities from .0001 to 100 mfd., providing the proper voltage supply and indicating instrument is used. Provision is also made (External Standard) to increase

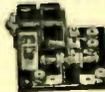
these ranges by using external standards. By using an Inductance standard it is possible to use the Lafayette bridge for inductance measurements. For A. C. measurements the 60-cycle line, a telephone buzzer or a vacuum tube oscillator may be used as a voltage source. To indicate balance, a pair of phones or a suitable current meter may be employed. For D. C., a battery of from 1.5 to 9 volts is used in conjunction with a galvanometer or a volt-milliammeter. The resistance and capacity scales are accurately calibrated directly on the aluminum panel. Unit housed in steel case with an etched aluminum panel. Size 9x4½x8½". Shpg. wt. 5 lbs.

XP15969—Lafayette Universal Bridge, completely wired and tested. **\$13.45**  
Your Cost

Same as above, in kit form. All parts and full instructions included. Shpg. wt. 5 lbs. **\$10.95**

XP15970—Your Cost

## PESE Photo-Electric Cell and Supersensitive Relay



A photo-conductive type cell that varies its resistance from dark to bright light at a ratio of approximately 18 to 1. Will pass 150 microamperes at 90 volts. This is sufficient current to operate moving coil type relays without amplification. Better results are obtained when used with a single stage

of amplification. Although suitable for many small industrial applications, these units are designed expressly for experimental use. Relay is sensitive enough to operate with as little as 1 milliamper. Secondary contacts will handle up to 1 ampere, 3000 ohms D. C. resistance. Valuable booklet giving complete instructions for using this cell is included with each unit. Shpg. wt. 2 lbs. each.

XN14187—Pese Photo-Electric Cell... **\$1.50**  
Your Cost

XN14188—Pese Supersensitive Relay... **\$3.00**  
Your Cost

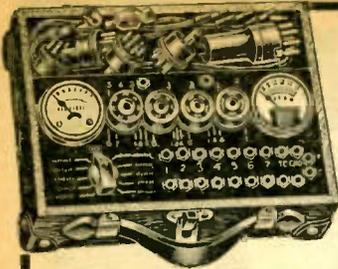


## WESTON Photronic Cell

Delivers an electric current when exposed to light. Current varies with light intensity from 1 microampere on 1 foot candle to approximately 5 mills. in daylight. Bakelite case 2¼" in diameter, 1" thick. The two prongs at the base of the cell fit in the filament and plate position in a standard UX socket. Shpg. wt. 1 lb.

XN14139—  
Your Cost Each... **\$7.35**

Mail Your Orders to NEW YORK or ATLANTA



### NEW! Model 720 Tester

This point-to-point tester is designed for fast and efficient service work. Requires minimum manipulation and is extremely flexible. So arranged that voltage and current can be measured in any tube circuit. Resistance, continuities, and capacities are also quickly measured. Point-to-point tests are made through an 8-wire cable and plug connected to the set socket. Tester socket terminals are arranged according to R.M.A. standards. With this method it is unnecessary to remove set chassis to localize defects.

All ranges available by connecting through the single pair of jacks. Regardless of future arrangement of different tube elements this tester will make all tests with the same ease as it does with present day tubes. It contains one A.C. and one D.C. meter. The D.C. scales are 0, 15, 150, 300 and 600 volts, 0-15 and 150 milliamperes. The A.C. scales are 0, 10, 25, 150 and 750 volts. Shpg. wt. 11 lbs.

**\$14.70**  
**Model 720 Tester**  
 Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. Shpg. wt. 11 lbs. List \$31.00  
**\$18.22**  
**Model 730 Tester**

**Model 720 Tester**  
 Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. Shpg. wt. 11 lbs. List \$31.00  
**\$18.22**  
**Model 730 Tester**



### Model 710 Analyzer and Tube Tester

This model is similar to the 720 Tester except that it has three meters. The following scales are available: 0, 20, 60, 300, 600 volts D.C.; 0, 1C, 140, 700 volts A.C.; 0, 15, 150 M.A. Shpg. wt. 7 lbs.

**\$16.17**  
**Model 710 Analyzer and Tube Tester**  
 Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. A 300,000 direct scale reading ohmmeter when used with a 4 1/2-volt battery. The voltmeter scales are 0-15-60-300-600 volts. Shpg. wt. 11 lbs.  
**\$21.76**  
**Model 712 Tester**



### Model 712 TESTER

Similar to above except using a Triplett 1000-ohm per volt D.C. voltmeter. A 300,000 direct scale reading ohmmeter when used with a 4 1/2-volt battery. The voltmeter scales are 0-15-60-300-600 volts. Shpg. wt. 11 lbs.

**\$21.76**  
**Model 712 Tester**  
 Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. Shpg. wt. 11 lbs. List \$37.00  
**\$5.14**  
**Model 712 Tester**

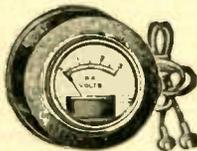
### Resistance Meter

#### Model 501

Same meter as used in the No. 500 instrument. Flange for panel mounting. Requires 3 small flashlight cells. Extreme diameter, 2 1/4". Shpg. wt. 11 lb.



**\$1.62**  
**Model 501 Resistance Meter**  
 Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. Shpg. wt. 11 lbs. List \$31.00  
**\$18.22**  
**Model 501 Resistance Meter**



### Air Cell Tester

#### Model 777

This new tester is a scientifically designed Readrite instrument. It is made for the checking of air-cell type or 2 volt batteries. It gives a true picture of the condition of the batteries. A very simple meter to operate as there are but only two leads in making connections. The meter is furnished complete with full instructions and mounted in an attractive Model 85 black case with a pair of 36" spade terminal leads.

**\$1.62**  
**Model 777 Air Cell Tester**  
 Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. Shpg. wt. 11 lbs. List \$31.00  
**\$18.22**  
**Model 777 Air Cell Tester**

### Capacity Meter Model 800

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. Instruction furnished for testing from 10 to 400 henrys, and resistances from 40 to 100,000 ohms. Shpg. wt. 2 lbs.  
**\$5.14**  
**Model 800 Capacity Meter**

### NOTE

We can supply any Readrite or Triplett instruments not shown in this Catalog. Readrite instruments supplied at a discount of 40% and 2% from list; Triplett instruments at a discount of 33 1/3% and 2% from list

**\$1.03**  
**Model 503 Resistor**  
 Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. Shpg. wt. 11 lbs. List \$31.00  
**\$18.22**  
**Model 503 Resistor**

**\$1.03**  
**Model 503 Resistor**  
 Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. Shpg. wt. 11 lbs. List \$31.00  
**\$18.22**  
**Model 503 Resistor**

### Tube Tester Model 410

This practical tester checks all old and new tubes. This test makes use of two plate current readings for determining the conductance and worth of a tube. Same test procedure for all rectifier tubes. Test card gives complete operating instructions and is fastened in removable cover. A selector switch provides filament voltages: 1.5, 2, 2.5, 3.3, 5, 6.3, 7.5, 12.6 and 25 volts. In a leatherette carrying case. Shpg. wt. 11 lbs.



**\$16.17**  
**Model 410 Tube Tester**  
 Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. Shpg. wt. 11 lbs. List \$31.00  
**\$21.02**  
**Model 410 Tube Tester**

**\$21.02**  
**Model 410 Tube Tester**  
 Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. Shpg. wt. 11 lbs. List \$31.00  
**\$21.02**  
**Model 410 Tube Tester**

### Output Meters

For aligning receivers. Contains copper-oxide rectifier. Two ranges: 0-5 volts for voice coils, 0-50 volts for plate. Mounted on metal panel with jacks and test leads. Shpg. wt. 4 lbs.



**\$4.85**  
**Model 575 Output Meter**  
 Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. Shpg. wt. 11 lbs. List \$31.00  
**\$21.02**  
**Model 575 Output Meter**

### A. C. Line Voltage Regulator

In metal case, similar to the above. Very desirable for use ahead of A. C. radio sets where line voltage fluctuates. Saves tubes and condensers. Has dial and rheostat by means of which voltage may be adjusted to exactly 110 volts. Baked enamel finish. Shpg. wt. 3 lbs.

**\$4.25**  
**Model 575 Output Meter**  
 Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. Shpg. wt. 11 lbs. List \$31.00  
**\$21.02**  
**Model 575 Output Meter**

### All Purpose Tester Model 1000



This tester is popular with many servicemen. The moving coil D.C. voltmeter has an 0-1 mill movement. The ranges are: 0, 30, 300, 600 volts D.C.; 0, 30, 300 M.A., and 0, 500, 50,000, 3,000,000 ohms. Resistances up to 6 megohms can be read with external battery. A 110-volt, 60-cycle A. C. meter is calibrated for capacities from .008 to 10 mfd. Two 2 1/2-volt batteries and one flashlight cell are contained in the battery compartment. Complete in strong portable carrying case with removable lid covered in black serviceable fabricoid, and provided with carrying handle. Shpg. wt. 13 lbs.

**\$19.99**  
**Model 1000 All Purpose Tester**  
 Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. Shpg. wt. 11 lbs. List \$31.00  
**\$21.02**  
**Model 1000 All Purpose Tester**

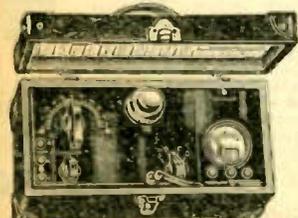
### TUBE TESTER MODEL 416

Same as Model 410, except using a Triplett meter with a non-illuminated dial. Shpg. wt. 11 lbs. List \$35.75  
**\$21.02**  
**Model 416 Tube Tester**

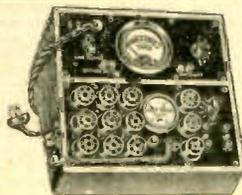
### All Wave OSCILLATOR

#### MODELS 553-554-556

An entirely new ALL-WAVE Oscillator that covers ALL frequencies from 110 K.C. to 18,000 K.C. Four distinct bands are covered, viz.: 110-500 K.C., 500-3000 K.C., 2000-6000 K.C. and 4000-18,000 K.C. All ranges are accurately calibrated on charts. Completely shielded. Self modulated. Comes complete with shielded connecting leads, 30 type tube, 2 1/2 volt B Battery and two unit cells. Size 6x12x5". Model 554 is less output meter. Model 553 is equipped with Readrite Output Meter and Model 556 with a Triplett Output Meter. Shpg. wt. 11 lbs.



**\$14.10**  
**Model 553 Oscillator**  
 Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. Shpg. wt. 11 lbs. List \$31.00  
**\$17.05**  
**Model 554 Oscillator**  
 Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. Shpg. wt. 11 lbs. List \$31.00  
**\$18.82**  
**Model 556 Oscillator**



### Direct Reading Tube Testers

#### No. 421

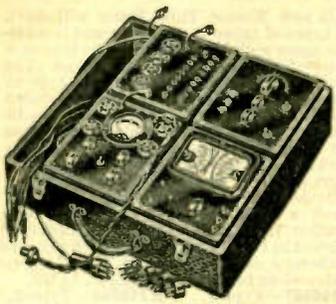
These models are designed to test quickly and accurately all tubes. There are two models, a portable and a counter type. These new Readrite testers have incorporated two instruments. One large 3 1/2" Triplett moving coil instrument with a shaded two-color scale reading directly (GOOD-POOR) as to the worth of the tube. The other is a Readrite A.C. meter used with a rheostat for adjusting the line voltage. Cathode and grid shorts are tested with separate push buttons. These tests never fail to show the slightest short or leakage. Two selector switches are used for the different tubes and the required filament voltages. Shpg. wt. 12 lbs.

**\$19.99**  
**Model 421 Direct Reading Tube Tester**  
 Same as above but with a Triplett 1000-ohm per volt D.C. voltmeter. Shpg. wt. 11 lbs. List \$31.00  
**\$21.32**  
**Model 422 Direct Reading Tube Tester**

# TRIPLITT -- Quality Instruments at BARGAIN PRICES

## Model 1205 Master Test Set

This Master Unit Test Set is a complete portable laboratory for the servicing engineer. Contains the four Master Units in a portable carrying case. The units are: No. 1200 Volt-Ohm-Milliammeter; No. 1210 Tube Tester; No. 1220 Free Point Tester; No. 1230 All-Wave Signal Generator. Each unit represents the last word in its respective servicing application.  
Shpg. wt. 28 lbs.  
XJ10461—Complete Set. List \$107.00  
**Your Cost.....**



**\$69.90**



## Model 1210 Tube Tester

This model is supplied in a separate metal case with a bakelite panel. An emission type tester, having only four sockets for all tubes. A 3 1/2 d'Arsonval meter is used having a scale reading directly GOOD or BAD values of the tubes. Short and leakage tests of all tube elements. Test any type of tube made today and many new types that may be developed in the future. Complete easily understood instructions furnished.  
Shpg. wt. 18 lbs.

**\$19.60**

Oak case for above. Shpg. wt. 3 lbs.  
XJ10449—  
**Your Cost.....**

**\$3.92**

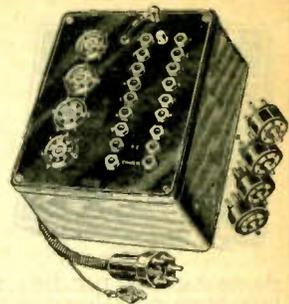
### MASTER UNIT CASES

Available for carrying 1, 2, 3 or 4 units. Separate compartment is provided for accessories. Black grained leatherette covering.

Stock No.	For Model	No. Units	Shpg. Wt. lbs.	Your Cost
XJ10456	1201	1	7	\$3.92
XJ10457	1202	2	10	4.58
XJ10458	1203	3	14	5.22
XJ10459	1204	4	16	5.88

## Model 1220 Tester

This tester unit can be used with the Triplett Model 1200 or any other suitable unit, the Model 1220 enables the making of voltage tests between any tube elements including chassis, current tests in series with any tube elements or socket contacts including chassis.  
The jacks are so arranged that the source of external voltage may be applied to any tube element, this permits testing of the characteristics of the latest tubes. Complete with 6 prong plug, 4, 5, large 7 prong, and small 7 prong adaptors.  
Shpg. wt. 4 lbs.

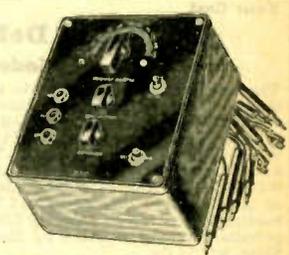


XJ10478—Model 1220 Tester. Complete with all adaptors and full operating instructions.  
**Your Cost.....**

**\$8.16**

## Model 1230 Signal Generator

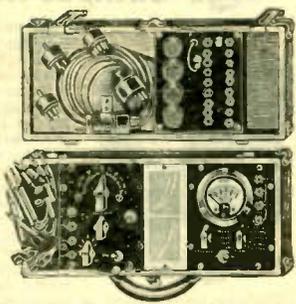
The Model 1230 is a stabilized all-wave continuously variable signal generator, furnishing frequencies from 100 Kc. to 18,000 Kc., either modulated or unmodulated. The clear 400 cycle note is generated by a type '30 tube. Second type '30 tube is used in the special frequency stabilized circuit to generate the radio frequency oscillation. A 22 1/2 volt and three flashlight batteries furnish the very small amount of power required to operate the tubes. Through the use of three output jacks and the attenuator the variation of output is obtained. Shpg. wt. 15 lbs.



XJ10469—Your Cost.....  
**\$15.02**

## Portable Laboratory Model 1181

A complete test laboratory. Contains Volt-Ohm-Milliammeter, Tube Tester and All-Wave Oscillator. Has a universal A.C.-D.C. meter having sensitivity of 500 microamperes. Either A.C. or D.C. readings selected by panel switch. The following meter ranges are available: 0-15-150-750 volts A.C. or D.C.; 0-1.5-15-150 D.C. milliamperes; 0-15-150 A.C. milliamperes; 0-1500-1,500,000-3,000,000 ohms. All latest tubes may be checked on Free-Point Tester. All-Wave Oscillator, model 1151, continuously variable from 110-500 Kc., 500-3000 Kc., 2000-6000 Kc., and 4000-18000 Kc. Accurate hand-drawn curves supplied for each range. Positive attenuator permits accurate control of output at all times. Battery operated. All units mounted in oak case 16 1/2 x 7 1/2 x 5 1/2". Shpg. wt. 19 lbs.  
XJ11035—Model 1181 Tester  
**Your Cost.....**



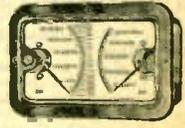
**\$37.24**

- Model 1180: Same as model 1181, but without Free-Point Auxiliary Set Tester. List \$45.00  
XJ10479—Your Cost **\$29.40**
- Model 1179: Same as Model 1181, but with Model 1150 Oscillator having range from 110 to 1500 Kc. List \$52.00  
XJ10470—Your Cost **\$33.97**
- Model 1178: Same as 1180, but with Model 1150 Oscillator. List \$40.00  
XJ10480—Your Cost **\$26.13**
- Model 1151: All-Wave Oscillator. List \$35.00  
XJ10474—Your Cost **\$22.86**
- Model 1150: Broadcast Oscillator, 110 to 1500 Kc.  
XJ10476—Your Cost **\$19.60**
- Model 1125: Universal Volt-Ohm-Milliammeter only.  
XJ10473—Your Cost **\$19.60**
- Model 1166: Free-Point Auxiliary Set Tester only.  
XJ10477—Your Cost **\$10.78**
- Model 1167: Combination of Models 1166 and 1125.  
XJ10999—Your Cost **\$24.50**
- XJ10492—15 Ampere Shunt for Auto Radio work.
- XJ10493—30 Ampere Shunt for Auto Radio work.  
**Your Cost Each, Either Type.....**

**\$1.96**

## Model 1200 in Kit Form

For those desiring to build their own test instruments. The most important part is the new Triplett Twin Meter illustrated at the right. A separate meter for A.C. measurements and a separate meter for D.C. measurements assures the highest accuracy.



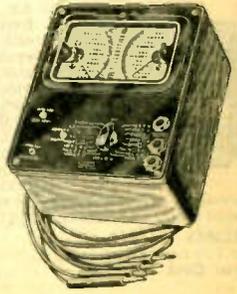
**Your Cost Each**

- XJ10483—Triplett Twin Instrument..... **\$10.12**
- XJ10484—Special Selector Switch..... **1.64**
- XJ10485—Shunt Board for 1-10-50-250 milliamperere readings; 1500 and 1,500,000 ohms..... **2.28**
- XJ10486—Resistor Board for 10-50-250-500-1000 D.C. volts; and 50-250-500-1000 A.C. volts and current limiting resistors for 1500 ohms and 1.5 and 3 megohms..... **4.73**
- XJ10487—.5 Mfd. Condenser for Output Measurement..... **.33**
- XJ10488—Rheostat Assembly consisting of 65-6000-9000 ohm resistors for ohmter adjustment..... **1.64**
- XJ10489—Set of Blue Prints and Instructions..... **.66**
- XJ10490—Hook-up Wire..... **.33**
- XJ10491—Test Leads..... **.49**
- XJ10494—Complete Kit of all above parts. List \$25.00  
**Your Cost, Complete.....**

**\$16.34**

## Model 1200 Dual-Meter Universal Tester

A new Dual-Meter Universal Test Instrument providing separate meters for both A.C. and D.C. measurements. The D.C. meter has a 500 microampere movement having an accuracy of 2%. D.C. scales: 0-10-100-250-500 and 1000 V., 0-1-10, 100, 250, mills. 0-1500 ohms—1 1/2 meg., and 3 megohms. A.C. scales: 0-10-100-250-500 and 1000 V. Only three jacks are used.



Two for measuring all D.C. voltages, D.C. milliamperes, D.C. resistances, A.C. voltages and capacity. Third jack used when measuring output voltages, contains a blocking condenser. Shpg. wt. 14 lbs.  
XJ10468—  
**Your Cost.....**

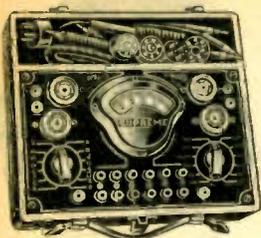
**\$21.24**

**Mail Your Orders to NEW YORK or ATLANTA**

# NEW TESTING EQUIPMENT for DEPENDABLE PERFORMANCE!

## SUPREME Standard Analyzer

### Model 333



Featuring Supreme's latest 5" fan type meter this new instrument with self contained battery is a combination point-to-point tester and analyzer providing complete resistance, voltage and current resistance, and tube testing from the radio socket. All meter ranges including resistance and output measurements are applied through the analyzer cable making it unnecessary to remove the chassis from the cabinet. Ranges are selected by a single 12 position switch. Meter ranges are; 2000, 200,000 ohms, 5-125 D. C. Mills, 5-125-500-1250 Volts A. C. or D. C. Large figures on the ohms range provide easy readability. As low as 1 ohm may be read on the low scale of 2000 ohms. A variable shunt adjustment is provided so that the ohmmeter remains very accurate within the useful range of the battery. Shpg. wt. 12 lbs.

XJ10875

Model 333 Standard Analyzer.

Your Cost

**\$29.35**

## SUPREME DeLux Analyzer

### Model 333

The new DeLux model uses the new 5" meter in a patented circuit that compensates for temperature variations. The analyzer plug in addition to the top cap is equipped with a "ground" connection which is to be clipped to the chassis of the receiver so that all tests can be made with reference to ground. The following ranges are available at the turn of a selector switch; 0-5-25-125-250-500-1250 D. C. Mills; 0-1000-10000-100000-1000000 ohms; 0-5-25-125-250-500-1250 D. C. or A. C. Volts; 0-0.125-1.25-12.5 microfarads. Lowest resistance reading 1 ohm, lowest capacity 0.0025 mfd. A self contained battery permits checking of tubes by the grid shift method in a receiver. Shpg. wt. 14 lbs.

XJ10876

Model 333 DeLux Analyzer

Your Cost

**\$39.15**

## CLOUGH-BRENGLE Oscillator

### 50 K. C. to 30 M. C. Signal Generator

Has six bands each working on the fundamental and covered by a dial 25 inches long, divided into 400 divisions, each division  $\frac{1}{4}$ " wide. Readings to 10% accuracy. Hand calibrated with crystal oscillators. Each instrument supplied with an 11x17" hand drawn calibration chart. Continuously variable in frequency 50 kilocycles to 30 megacycles (6000 to 10 meters). Continuously variable in output  $\frac{1}{2}$  microvolt to 2 volts. 400 cycle audio test note. External modulation can be applied if desired. A. C. or D. C. operation. Black crackle finished case. Shpg. wt. 15 lbs.

XJ10883—List \$54.85

Your Cost



**\$32.25**

### Battery Operated Model

This model is exactly the same as the model described above but uses self-contained batteries. Exclusive Clough-Brengle circuit eliminates frequency shift with change in battery voltage.

XJ10884—Complete with tubes but less batteries.

Your Cost

**\$32.25**

Set of batteries for above (1-45 volt battery; 2 #6 dry cells) **\$1.56**

## TRIUMPH Signal Generator



An A. C. operated Signal Generator covering frequencies from 100 K. C. to 30,000 K. C. either modulated or unmodulated. A 400 cycle audio frequency is also available separately. A four step "ladder" attenuator provides positive attenuation. Continuously variable output from practically zero to 50,000 microvolts. Low harmonics of the fifth frequency band permit accurate operation to 50,000 K. C. Electron coupled oscillator—six band wave switch. Each band calibrated and charts provided. Full vision Aero-plane dial. Black crystalline metal cabinet with frosted aluminum calibrated scales. Measures 11 $\frac{1}{2}$ x10x9 $\frac{1}{2}$ ". Shpg. wt. 12 lbs.

XJ10885

For 110 volt, 60 cycle A. C.

Your Cost

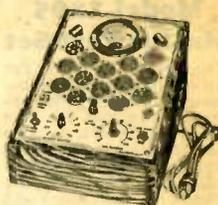
**\$29.94**

### NOTE

Space limitations prevent listing of all the test equipment available. A more complete representation will be found in Catalog 56, pages 93 to 101.

## WESTON Model 682 Tube Checker

This new Weston Tube Tester will check all types of tubes in use today and in addition spare sockets are provided to take care of new types that may be developed. The meter scale is of the direct reading type so that your customer is readily convinced that his tubes require replacing because he can actually read the test himself and does not have to depend upon the word of a clerk. All of the modern checks are made—short tests for shorts between elements—cathode leakage tests, etc. When you check a tube in this tester you know whether it is good or bad. Attractively finished in two shades of fawn with silver edging. Type-1 portable is in a leatherette carrying case and Type-2 is a counter model in a walnut case. Instructions furnished. Shpg. wt. 14 lbs. XJ10867—Type 1. XJ10864—Type-2.



**\$28.66**

Your Cost Either Type

## Dependable Tube Checker

### Model 304

Will test all tubes brought out to date and has provisions for testing many new types that may be developed in the future. Non-absolutescence assured—spare switching capacity for three times the present number of tubes. Two meters on the panel one English reading D' Arsonal moving coil meter for tube readings; one line voltage meter. No adapters of any kind necessary. Charts giving the correct readings for all present type tubes are furnished. Regularly equipped with counter case. Can also be obtained in a combination Portable and counter case. Counter case dimensions 9x12x5". Shpg. wt. 20 lbs.

XJ10505

In counter model case.

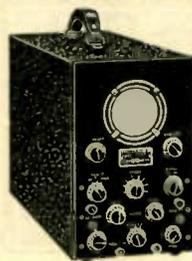
Your Cost

XJ10529—The above checker is available in a combination carrying case. It may be used as a portable checker or as a counter model with the cover removed. Available at an additional cost of \$2.25.



**\$19.55**

## RCA Cathode Ray Oscillograph



Designed to permit the service engineer to analyze receivers, amplifiers, etc. more thoroughly, this new oscillograph makes use of the type 906 cathode ray tube. The instrument is indispensable for such purposes as: measuring frequency and magnitude of hum; checking percentage of modulation; examining wave forms; aligning the multitude of circuits used in the newer types of receivers. This oscillograph incorporates many new features. A single stage amplifier with uniform frequency characteristics from 20 cycles to 90 kilocycles is used to increase sensitivity in the vertical direction. A similar amplifier is also used to increase sensitivity in the horizontal direction. A switching arrangement is provided so that the amplifiers may be thrown in or out of the circuit. The timing axis has a frequency range from 20 cycles to 15,000 cycles, and is controlled from the front panel. The amplifier feeding the horizontal axis may also be used to amplify the timing oscillator. Provision is made for both internal and external synchronization and both vertical and horizontal beam shift, so as to obtain a standing image with proper framing. Unit is housed in a metal cabinet finished in black crackle and provided with a carrying handle. Amplifiers use 1-879, 1-885, 1-80, 2-57's. Operates on 110 volts A. C. power consumption 85 watts. Size 10 $\frac{1}{2}$ x6x16". Shpg. wt. 25 lbs.

XN13943—RCA Cathode Ray Oscillograph, type TM V-122B. Complete with all tubes and 906 Cathode Ray Tube. **\$84.50**

Your Cost

## RCA Frequency Modulator

For aligning receivers with the RCA Oscillograph. Provides the necessary frequency variation and the A. C. synchronizing voltage. Combined motor-driven A. C. generator and variable capacitor. Two ranges 15 and 30 mmfd. 25 sweeps per second. 14" low capacity cable supplied. The generator frequency is two cycles per revolution permitting positive synchronizing for double sweep alignment. The generator voltage is 1.5 volts minimum. Current consumption is 25 watts. 8 $\frac{1}{2}$ x9 $\frac{1}{4}$ x4 $\frac{1}{2}$ " deep. Shpg. wt. 8 lbs.

XJ10482—Your Cost



**\$27.50**

# Panel Type METERS by WESTON *TRIPOLETT* Readrite

## WESTON Instruments



**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.

**D. C. Milliammeters**

Stock No.	Range	List Price	Your Cost
XJ10675	1	\$10.00	7.35
XJ10679	5	9.00	
XJ10680	10	9.00	
XJ10681	15	9.00	
XJ10685	50	9.00	
XJ10686	100	9.00	
XJ10687	150	9.00	
XJ10688	200	9.00	
XJ10689	250	9.00	
XJ10690	300	9.00	
XJ10691	500	9.00	

**6.61**

**Model 301 Ohmmeters**

Stock No.	Ohms Scale	Res. Ohms per V.	Your Cost
XJ10627	0-100,000	1000	9.92
XJ10628	0-500,000	1000	

**Models 476**

**A. C. Voltmeters**

Movable iron type for A. C. only. They are accurate within 2%.

Stock No.	Approx. Volts	Ohms	Your Cost
XJ10751	10	14	6.61
XJ10752	15	14	
XJ10756	50	52	
XJ10758	150	105	8.27

**Model 476**

**A. C. Ammeters**

Stock No.	Approx. Amps.	Total Res.	Your Cost
XJ10776	1.5	.082	6.61
XJ10778	3	.024	
XJ10779	5	.010	
XJ10780	10	.0058	
XJ10781	15	.00219	
XJ10782	20	.00162	
XJ10783	30	.00070	
XJ10784	50	.00057	

**6.61**

**Model 506**

A two inch meter having the same accuracy, fine workmanship, etc., as the Model 301.

**D. C. Milliammeters**

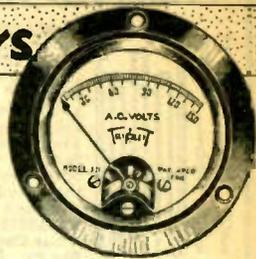
Stock No.	M. A.	List Price	Net \$6.24
XJ10817	1	\$8.50	
XJ10820	5	7.50	
XJ10821	10	7.50	
XJ10822	15	7.50	
XJ10824	50	7.50	5.51
XJ10825	100	7.50	
XJ10826	150	7.50	

**5.51**

**NOTE**

Weston meters are supplied with metal cases unless bakelite is specified. We can supply any Weston, Triplett or Readrite meter.

## TRIPOLETT Meters



**Model 331-3 1/2"**

**A. C. Ammeters**

Stock No.	Range	Your Cost
XK11255	0-1	
XK11256	0-3	3.75
XK11257	0-5	
XK11258	0-10	
XK11259	0-25	4.58

**A. C. Milliammeters**

XK11265	0-15	3.75
XK11267	0-50	
XK11268	0-100	

**A. C. Voltmeters**

XK11273	0-5	
XK11274	0-10	3.75
XK11275	0-15	
XK11276	0-25	
XK11277	0-50	
XK11279	0-150	4.58

**Model 223-2"**

**D. C. Ammeters**

XK11223	0-1	2.94
XK11224	0-5	
XK11225	0-10	
XK11228	30-0-30	

**D. C. Voltmeters**

(125 ohms per Volt)		
XK11247	0-5	2.94
XK11248	0-10	
XK11249	0-15	
XK11251	1-50	
XK11253	0-150	

**A. C. Milliammeters**

XK11269	0-15	2.94
XK11271	0-50	
XK11272	0-100	

**Model 321-3 1/2"**

**D. C. Milliammeters**

Stock No.	Range	Your Cost
XK11200	0-1	4.58
XK11201	0-1.5	
XK11202	0-10	
XK11203	0-15	
XK11204	0-50	3.75
XK11205	0-100	
XK11206	0-200	
XK11207	0-500	

**D. C. Ammeters**

XK11216	0-1	3.75
XK11217	0-5	
XK11218	0-10	
XK11219	0-50	
XK11221	30-0-30	

**D. C. Voltmeters**

(125 ohms per Volt)		
XK11230	0-5	3.75
XK11231	0-10	
XK11232	0-15	
XK11234	0-50	
XK11236	0-150	

(1000 ohms per Volt)

XK11240	0-10	5.39
XK11242	0-500	7.18

**Model 223-2"**

**D. C. Milliammeters**

XK11208	0-1	3.75
XK11209	0-1.5	
XK11210	0-10	
XK11211	0-15	
XK11212	0-50	2.94
XK11213	0-100	
XK11214	0-200	
XK11215	0-500	

**Model 233-2"**

**A. C. Ammeters**

XK11260	0-1	2.94
XK11261	0-3	
XK11262	0-5	
XK11263	0-10	3.75
XK11264	0-25	

**A. C. Voltmeters**

XK11280	0-5	2.94
XK11281	0-10	
XK11282	0-15	
XK11283	0-25	
XK11284	0-50	
XK11286	0-150	3.75

## Readrite Panel Meters

**Model 55**



**Panel Type D. C. Ammeters**

Stock No.	Amps.	List Price	Your Cost
XK11091	0-1	\$1.00	
XK11092	0-3	1.00	59c
XK11093	0-5	1.00	
XK11094	0-10	1.00	
XK11098	10-0-10	1.00	
XK11099	20-0-20	1.00	

**A. C. Voltmeters**

Stock No.	Volts	List Price	Your Cost
XK11072	0-4	\$2.75	1.62
XK11074	0-10	2.75	
XK11075	0-15	2.75	
XK11076	0-150	4.50	2.65
XK11079	0-750	7.75	4.56
XK11080	0-10-140	4.50	2.65

**A. C. Ammeters**

XK11082	0-3	2.75	1.62
XK11083	0-5	2.75	
XK11084	0-10	2.75	
XK11085	0-50	3.25	1.91

**A. C. Milliammeters**

XK11088	0-100	2.75	1.62
XK11089	0-250	2.75	
XK11090	0-500	2.75	

**Your Cost**

**59c**

**1.18**

**59c**

**1.62**

A sturdy and reliable line of inexpensive Test Instruments. Well made and attractively finished. Panel mounting type. Nickel plated bezels. Panel opening 2 1/4". Shpg. wt. 1 lb.

**Panel Type D. C. Milliammeters**

Stock No.	M. A.	List Price	Your Cost
XK11100	0-10	\$2.00	\$1.18
XK11101	0-15	1.00	
XK11102	0-25	1.00	
XK11103	0-50	1.00	
XK11104	0-100	1.00	
XK11105	0-150	1.00	59c
XK11106	0-200	1.00	
XK11107	0-300	1.00	
XK11108	0-400	1.00	
XK11109	0-20/100	2.00	1.18
XK11110	0-15/150	2.00	

**Panel Type D. C. Voltmeters**

Stock No.	Range	Ohms	Your Cost
XK11052	0-3	175	59c
XK11053	0-5	410	
XK11056	0-10	1475	
XK11057	0-15	2914	
XK11061	0-50	3250	
XK11063	0-100	6500	.88
XK11065	0-150	9750	1.03
XK11067	0-300	92640	1.91
XK11069	0-60-300	92640	2.65
XK11070	0-750	281600	3.23
XK11071	0-8-160	850/16220	1.32

## Resonance Tuning Meters



**Front or Bottom Illuminated Type Code TM103**  
Stock No. M. A. Any Type



**Rear illuminated Translucent Dial Code TM102**  
Stock No. M. A. Any Type

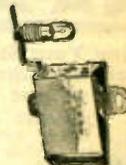
High resistance type milliammeters used in the plate circuit in sets for visual tuning. Mounted in strong metal case. The circuit is brought to resonance when the needle swings to its furthest position. Scale and pointer behind glass covered opening. 6" cable leads and attachment studs and nuts supplied.

**Your Cost, Any Type, 88c**

No escutcheon included at the above price.

**Escutcheons as illustrated.**

XK11292—List Each 30c  
**Your Cost 18c**



**Shadowgraph Code TM120**  
Stock No. M. A. Any Type



**Edgewise Mount. Shadow Illum. Code TM108**  
Stock No. M. A. Any Type

## Flanges



Finished in glossy black enamel. Comes with all necessary hardware. Convert Model 55 Readrite Meters to flange type. 2 1/4" diameter.  
**XK11041—Your Cost 9c**





# METER ACCESSORIES

## "Van" A. C. and D. C. Shunts and Multipliers

Accuracy Limits 2%

5,000 Ohms  
VAN

These multipliers are of a pig-tail type, very light in weight, have no metal end caps, well insulated and may be mounted very close together. They are very compact in size and exclusive of pig-tails, measure  $\frac{1}{4} \times 1\frac{1}{2}$  inches.

Stock No.	Ohms	List Price	Your Cost
XK10937	3,000	\$1.00	
XK10925	4,950	1.00	
XK10926	5,000	1.00	
XK10938	6,000	1.00	
XK10927	10,000	1.00	
XK10939	30,000	1.00	
XK10928	40,000	1.25	
XK10929	45,000	1.25	
XK10930	50,000	1.25	
XK10944	60,000	1.25	
XK10931	95,000	1.50	
XK10932	100,000	1.50	
XK10945	150,000	1.50	
XK10933	245,000	2.00	
XK10934	250,000	2.00	
XK10974	300,000	2.00	
XK10935	500,000	3.00	
XK10936	1,000,000	3.50	

58°  
73°  
88°

\$1.18  
1.76  
2.06

## Special VAN Multipliers for 1000 Ohm Copper Oxide Rectifiers

Measurements are calibrated at half scale on a 1 Mil. 50 M. V. Weston 301 meter. 50-volt and over ranges are read on the regular D. C. scale. Ranges of 5 and 10 volts require the correction markings as used on the A. C. scale of the No. 4 VAN Dial.

Stock No.	Range	Resis. Ohms	Your Cost
XK10905	5 volts	3,200	58¢
XK10906	10 volts	7,500	
XK10907	50 volts	41,000	\$0.73
XK10908	100 volts	84,000	0.88
XK10909	250 volts	212,000	1.18
XK10917	500 volts	425,000	1.47

For 1,000 volts scale use two Cat. No. XK10917 resistors in series.

## Multiple Shunts

Stock No.	Range	Resis. Ohms	Your Cost
XK10910	5	3,200	58¢
XK10911	10	7,500	
XK10912	25	212,000	1.18

## For 30 M. V. Meters

Stock No.	Range	Resis. Ohms	Your Cost
XK10960	5	3,200	58¢
XK10961	10	7,500	
XK10962	25	212,000	1.18

## For 50 M. V. Meters

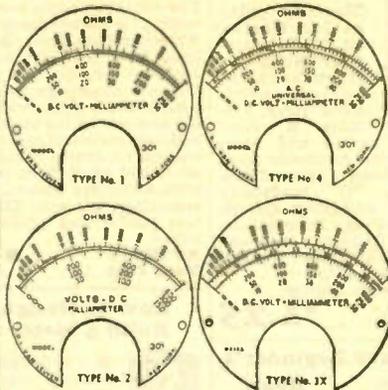
Stock No.	Range	Resis. Ohms	Your Cost
XK10918	5	3,200	58¢
XK10919	10	7,500	
XK10920	25	212,000	1.18

## Copper Oxide Meter Rectifier

Converts D. C. milliameters of 15 M. A. or less to A. C. milliameters. With proper resistors can measure up to 1000 volts. Only  $\frac{1}{4} \times \frac{3}{8}$ ". Full instructions included. Shpg. wt. 1 lb.  
XJ10570—Your Cost Each..... \$2.95



## Metal and Plyboard Metal Dials

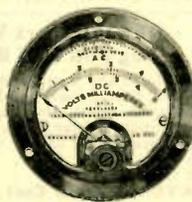


Heavily silver plated metal dials with etched black numerals. Types 1, 2 and 4 for use with Jewell (88-54), Weston (301) and Triplett (321) meters. Plyboard dials in Types 1, 2 and 4 for Beede (701) meters. Type 3X dial in metal for Weston 301 and Jewell 88 fifty millivolt meters.

XK10946—Dial No. 1 XK10940—Dial No. 3X  
XK10947—Dial No. 2 XK10949—Dial No. 4

List Price, Each 75¢  
Your Cost Each..... 45¢

## WESTON Rectifier Type A.C.-D.C. Meter Model 301



Designed for use with external resistances and shunts for measuring D. C. voltages and current and A. C. voltages. Of the permanent magnet moving coil type with a self-contained copper oxide rectifier for A. C. measurements. Self-contained for 5 volts

and 1 mill. A. C., and 50 millivolts and 1 mill. D. C. Accurate to within 2% D. C.—5% A. C.  
XJ10774—List \$19.00.  
Your Cost \$13.97

## WESTON 0-1 MILL, D. C. METER

Type 301. Same construction as the above meter. List \$10.00.  
XJ10675—Your Cost..... \$7.35

## TRIPLETT 3" Universal A. C.-D. C. Meter

Uses a copper oxide rectifier in an advanced circuit that minimizes losses due to rectification. With multipliers, scale readings are 0-15-150-750 volts A. C. or D. C. at 1000 ohms per volt. resistance. D. C. milliampere readings are 15-150. Ohms scale 0-1500 and 0-1.5 megs. Comes complete with D. P. D. T. switch for changing from A. C. to D. C. Accuracy on D. C.—2%; on A. C.—5%.  
List \$15.00.  
XK11291—Your Cost..... \$9.80



## Copper Fuse Clips



Punched out of copper and nickel plated. Has many uses.  
XL12377—Your Cost Each..... 2¢  
12 for..... 15¢

## Littelfuses for Test Instruments

### Instruments

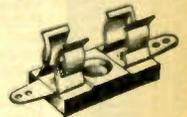
Designed to insure and protect meters and other expensive equipment. Are dependable and accurate. Has many laboratory uses. Breaks circuit immediately on reaching maximum milliamper load. Length 1", diameter  $\frac{1}{8}$ ".



Stock No.	Rating Amps.	Max. Load M.A.	Resist. on 5 Mil. Load	Your Cost Each	Your Cost Doz.
XL12385	1-100	5	138 ohms		
XL12386	$\frac{1}{2}$	15	65 "	\$0.12	\$1.38
XL12387	$\frac{1}{4}$	65	21 "		
XL12388	$\frac{1}{8}$	100	3.5 "		
XL12389	$\frac{1}{4}$	100	26 "		
XL12390	$\frac{1}{2}$	200	6.2 "	\$0.09	\$1.05
XL12391	$\frac{1}{4}$	300	3.0 "		
XL12392	$\frac{1}{2}$	400	2.5 "		
XL12393	$\frac{1}{4}$	600	1.0 "		
XL12394	1	1000	.36 "	\$0.06	\$0.70
XL12395	2	2000	.14 "		

## 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  $1\frac{1}{2} \times 2 \times \frac{1}{2}$ ".



XL12383—Your Cost Each..... 9¢  
Similar to above but for standard fuses.  
XL12324—Each..... 8¢

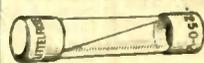
## Littelfuse Panel Type Mounting



For sub-panel use. Studs are 1" long and have 6-32 thread. For 1" fuses only. Base of fine bakelite. Size  $1\frac{1}{2} \times 2 \times \frac{1}{2}$ ".  
XN12382—Your Cost Each..... 12¢

Same but for standard size fuses.  
XL12327—Each..... 9¢

## Fuses for Sets and Amplifiers



Designed for protection of radio receivers. Used in power supply line.

Stock No.	Amps.	V.	Your Cost Each	Your Cost Doz.
XL12378	1	250		
XL12379	$1\frac{1}{2}$	250		
XL12380	2	250	5¢	55¢
XL12381	3	250		
XL12396	$\frac{1}{2}$	500		
XL12397	$\frac{1}{2}$	500	9¢	\$1.05
XL12398	$\frac{1}{2}$	500		
XL12399	$\frac{1}{2}$	500		

## Fuse Retainer

A special fuse holder designed for use with auto radio sets. Two piece connector of heavy metal, with fibre inside insulation. Heavy spring contact assures perfect connection at all times.  $2\frac{1}{2}$ " long.  
XL12372—Your Cost Each..... 8¢



## Antenna Connector

For auto radio sets. Two-piece metal container, fibre inside insulation.  
XR16714—Your Cost Each..... 6¢

## Auto Fuses

Available in 1, 2, 3, 4, 5, 6, 8, 10, 15, 20, 25, 30 amp. sizes.  
XM13189—Tin of 5 (any one size).  
Your Cost..... 14¢



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## RCA Service Manuals



A complete series of Service Manuals covering ALL the RCA receivers made between 1923 and 1934. The most complete information available. Exceptionally low in price. Stiff covers fabric covered and lettered in gold.

Stock No.	Year	Shpg. Wt. Lbs.
XY19971	1923-1928	3
XY19969	1929-1930	3
XY19967	1931-1932	3
XY19950	1933	3
XY19964	1934	3

Your Cost **\$1.00**  
Each Manual

## DRAKE'S Cyclopedia



**New Edition**  
Completely revised. This valuable encyclopedia, written in simple language, contains information on radio and all its allied lines. Gives all practical data

on Radio transmitting and receiving, Sound Pictures, Public Address, Television, Photo-electric cells, etc. 1048 pages, 500 complete articles, 1100 additional definitions and references. 130 tables and graphs. Thoroughly covers new Superheterodynes, Short Wave Receivers and Converters and Aviation Radio. Self indexed to make every fact easy to find. Size 9x6 1/4 x 2 1/4". Shpg. wt. 10 lbs.

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**Questions and Answers**  
A compilation of many service problems and their answers. This book has been compiled by John F. Rider and consists of many questions received by him. Shpg. wt. 2 lbs.

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### Radio Amateur Call Book



The only publication listing all Radio Amateur Stations throughout the entire world. Each issue contains a complete and accurate

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### Official Short Wave Log and Call Book

Contains the largest list of Short Wave Stations ever published. A distance chart showing the approximate distances between the principal cities of the world, also a map of the world. Shpg. wt. 2 lbs.

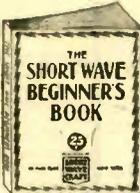
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All the technical information on all the new tubes. Shpg. wt. 1 lb.

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Every possible bit of information on coil winding that you could need. Gives dimensions, sizes of wire to use, methods of computing turns needed, spacing, etc. No duplication.

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Covers every phase of Amateur License procedure in a clear and concise manner. Prepared in response to an uninterrupted demand for information on how to pass examinations and apply for licenses. Complete question and answer section covers every type of question you will be asked for any type license. You can save yourself a lot of worry by studying this helpful book. Shpg. wt. 2 lbs.

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Information—ideas—suggestions. Practical tips, brainstormers that worked, money saving dodges, time saving thoughts. A whole book full of them. A compilation of the best ideas in one cover. Shpg. wt. 2 lbs.

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By means of resistance measurement or what is more commonly known as point to point testing it is possible to service any type of set. This book describes this method in detail and furnishes all data necessary to service practically all sets made today. Like all other publications by John F. Rider it is very complete and all the information given is in clear, easily understandable form. With its help many a service problem is easily solved. Bound in strong serviceable hard cloth covers. This book together with the one listed above should be owned by every serviceman. Shpg. wt. 2 lbs.

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GHIRARDI AND FREED**



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Written for engineers by engineers. Authoritative. Every section written by a specialist. A book every technical radio man should have. Shpg. wt. 2 lbs.

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John F. Rider's latest Manual—No. 5—contains circuit diagrams of receivers made as late as October, 1934. It contains more detailed information than any other Manual offered. 92.1% complete in I. F. specifications! 543 different Superheterodyne chassis made by 112 manufacturers are fully illustrated and described. Special attention has been paid to trimmer locations, voltage data, etc. 1200 pages in loose leaf binder.

**XY19957—Vol. No. 5 Postpaid East of Mississippi. Your Cost \$7.35**

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This volume contains many diagrams of receivers that you are now receiving for service. These diagrams do not appear in previous or subsequent issues.

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**VOLUME NO. 3**

**XY19924—Vol. No. 3 Postpaid East of Mississippi. Your Cost \$7.35**

### GERNSBACK'S Official Radio Service Manual 1935 Edition



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These books are all new and up-to-date; written by men who are authorities on the subject. The volumes are all uniform size 6x9" and contain 50 to 120 illustrations.



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- XY19908—Modern Radio Hook-ups.**
- XY19909—How to Become a Service Man.**
- XY19910—Bringing Electric Sets Up-to-Date.**
- XY19911—Radio Kinks and Wrinkles.**
- XY19912—Radio Questions and Answers.**
- XY19913—Auto Radio and Servicing.**
- XY19914—Home Recording and All About It.**
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Get the most out of short wave reception by reading this very instructive book. Tells how and when to tune for the various short wave stations. Tells how to identify them, get verifications, etc.

72 pages.

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101 of the most popular short wave hookups including from 1 to 10 tube receivers.

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## Auto Radio MANUALS

### OFFICIAL Auto-Radio Service Manual



The publishers of the very popular Official Radio Service Manual have published this new manual that covers the auto-radio field in great detail. Complete diagrams and service notes on old as well as all new sets and accessories; detailed instructions for suppressing ignition interference. Tells when and how to use rooftop, running board, and between-axle aerials; gives technical details on all popular types of "B" Eliminators and explains how to adjust generator charging rate. All the newest features used in the latest type receivers are carefully explained

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**XY19982—Your Cost \$1.96**

### RIDER'S Specialized Auto-Radio Manual



All the information you need to properly service any auto radio receiver. All necessary resistance, capacity, etc., values given in the diagrams of the many makes of receivers listed. This manual is similar to the famous Rider Trouble Shooter's Manuals but deals exclusively with auto radio receivers. All old as well as new models are listed with all the pertinent facts necessary for servicing them. Flexible cover and composed of 179 pages. Size 11 1/2 x 8". Shpg. wt. 4 lbs.

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### SOUND PICTURES

### Recording & Reproducing



A book covering the recording and reproduction of sound motion pictures, and equipment necessary for same. Up-to-date and contains complete information on the new "high-fidelity" and "wide-range" recording and reproducing. Fully illustrated with diagrams and photographs. Shpg. wt. 3 lbs.

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Primarily intended for use by the theatre projectionists and those interested in the servicing of sound equipment. Of great value to any sound man.

New second edition greatly enlarged and revised. Shpg. wt. 2 lbs.

**XY19919—Your Cost \$1.75**

### P. A. Systems



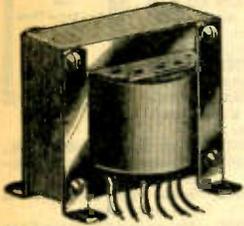
A comprehensive book on all types of P. A. Equipment. Includes chapters on hotel radio installations, and police radio. Complete information on theatre, school, ball park, etc., installations. Tells how to select the proper equipment and the peculiarities of the different types.

Shpg. wt. 3 lbs.  
**XY22134—Your Cost \$3.50**

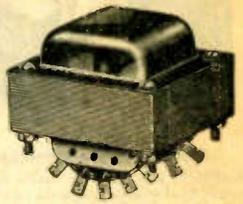
Mail Your Orders to NEW YORK or ATLANTA

# Service over 90% of all Standard Receivers with Trutest Power Transformers

## NO EQUAL IN QUALITY AT THESE LOW PRICES!



Trutest Power Transformers, engineered by experts and constructed of the finest materials, truly deserve the popularity accorded them in the service field. Each unit is designed to provide ample safety factor under any normal conditions of use. As a result, Trutest Power Transformers are fully guaranteed, under R.M.A. standards, for a period of 90 days, against mechanical or electrical defects. This is your assurance that Trutest Transformers will live up to the claims made of them. To simplify installation, and to preclude possibility of error in wiring, each unit is furnished with a schematic diagram showing each terminal connection.



Furnished in both flush and horizontal mountings in the large variety of sizes given below, these transformers should prove applicable to most any receiver on the market. The flush type of mounting is recommended as furnishing the more finished appearance. For replacement work the horizontal type of mounting will be found to be more practical. 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 wire lead terminals and feet are provided on bases; the slight elevation permitting air circulation under cores.

### For the New 6.3 Volt Tubes

5 and 6 Tube Sets  
Up to Four Heater Type Tubes, One Power Tube and One 80 Rectifier

MOUNTING AREA:  $3\frac{1}{2} \times 3\frac{1}{2}$ "  
MOUNTING DIMENSIONS:  $2\frac{1}{2} \times 2$ "  
PRIMARY: 115 volts, 50-60 cycles.  
SECONDARIES: 300/300 volts—50 M.A.  
6.3 volts C.T., 2 amps. (for two or three heaters and one power tube).  
5 volts, 2 amps. (80 filament).  
Flush mounting type.  
XC1518—Shpg. wt. 8 lbs.  
Your Cost, Special..... **\$1.30**

### 7 and 8 Tube Receivers

Four or Five Heaters and Two Power Tubes (6.3 Heaters) or Seven Heaters (6.3) and Two Power Tubes (2.5), One 80 or 5Z3 Rectifier

MOUNTING AREA:  $3\frac{1}{2} \times 3\frac{1}{2}$ "  
MOUNTING DIMENSIONS:  $2\frac{1}{2} \times 3\frac{1}{2}$ "  
PRIMARY: 115 volts, 50-60 cycles.  
SECONDARIES: 350/350 volts—90 M.A.  
6.3 volts C.T., 3 amps. (for 3 or 4 heaters and 2 power tubes).  
2.5 volts C.T., 4 amps. (for two power tubes).  
5 volts, 3 amps. (for 80 or 5Z3 rectifier).  
Flush mounting type.  
XC1519—Shpg. wt. 8 lbs.  
Your Cost, Special..... **\$2.25**

### 9 and 10 Tube Receivers

Up to Seven Heater Type Tubes and Two Power Tubes (all 6.3) to Ten Heaters (6.3) and Two Power Tubes (2.5), One 80 or 5Z3 Rectifier

MOUNTING AREA:  $4\frac{1}{2} \times 3\frac{1}{2}$ "  
MOUNTING DIMENSIONS:  $3\frac{1}{2} \times 2\frac{1}{2}$ "  
PRIMARY: 115 volts, 50-60 cycles.  
SECONDARIES: 350/350 volts—100 M.A.  
6.3 volts C.T., 4 amps. (for 7 heaters and 2 power tubes).  
2.5 volts C.T., 4 amps. (for 2 power tubes).  
5 volts, 3 amps. (for 80 or 5Z3 rectifier).  
Flush mounting type.  
XC1520—Shpg. wt. 9 lbs.  
Your Cost, Special..... **\$2.65**

### For use with the New Type Tubes

Up to 8 Heater Type Tubes and 2 of the New 2A3 Power Tubes 1-83 Rectifier

Suitable both for Class A and Class A1 (a modified Class B amplification).  
MOUNTING AREA:  $4\frac{1}{2} \times 3\frac{1}{2}$ "  
MOUNTING DIMENSIONS:  $3 \times 3\frac{1}{4}$ "  
PRIMARY: 115 volts, 50-60 cycle.  
SECONDARIES: 400/400 at 150 M.A.  
2 1/2 volts C.T. 5 amp.  
2 1/2 volts C.T. 12 amp.  
6 volts 3 amp.  
Flush mounting type  
XC1517—Shpg. wt. 10 lbs.  
Your Cost, Special..... **\$3.65**

### Additional TRUTEST Power Transformer Specifications

As a further aid to the serviceman in selecting proper parts to fill his requirements, Trutest engineers offer the following information: Average temperature rise on all transformers listed below is 51° C.; Insulation between windings tested at 1500 volts; Primary tested at double the rated voltage.

### 5 and 6 Tube Receivers

For Three or Four 2 1/2 Volt Heater Tubes, One 2 1/2 Volt Power Tube and One 280 or 282 Rectifier

MOUNTING AREA:  $3\frac{1}{2} \times 3\frac{1}{2}$ "  
MOUNTING DIMENSIONS:  $3\frac{1}{2} \times 2\frac{1}{2}$ "  
PRIMARY: 115 volts, 50-60 cycles.  
SECONDARIES: (1) 700 volts C.T.—70 M.A.  
(2) 5 volts, 2 amps. (one 280 filament), or  
(3) 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  
XC1492—Using 280 Rectifier. **\$1.35**  
XC1498—Using 82 Rectifier.  
Your Cost Each.....

**AN OUTSTANDING VALUE**



### For 4 Tube Midget For 2 Heater Tubes 1 Power Tube and 1-80 Rectifier

MOUNTING AREA:  $3 \times 2\frac{1}{2}$ "  
MOUNTING DIMENSIONS:  $2\frac{1}{2} \times 2$ "  
PRIMARY: 115 volts, 50-60 cycles.  
SECONDARIES: 650 volts C.T.—40 M.A.  
2.5 volts C.T., 3.75 amps. For 2 heaters and 1 power tube. 5 volts, 2 amps. for 80 filament. Flush mounting.  
XC1521—Shpg. wt. 4 lbs.  
Your Cost Each..... **67¢**

### Special Midget Transformer For 5 Tube Sets

For Three Heater Tubes, One Power Tube and One 80 Rectifier

MOUNTING AREA:  $3 \times 2\frac{1}{2}$ "  
MOUNTING DIMENSIONS:  $2\frac{1}{2} \times 2$ "  
PRIMARY: 115 volts, 60 cycles.  
SECONDARIES: 680 volts, C.T.—50 M.A.  
2.5 volts C.T., 7 amps. (for 3 heaters and 1 power tube).  
5 volts, 2 amps. (for 80 rectifier).  
Flush mounting type.  
XC2431—Shpg. wt. 4 lbs.  
Your Cost, Special..... **88¢**

### 6 and 7 Tube Receivers Push-Pull Power Tubes

For Three 2 1/2 Volt Heater Tubes, Two 2 1/2 Volt Power Tubes and One 280 Rectifier

MOUNTING AREA:  $3\frac{1}{2} \times 3\frac{1}{2}$ "  
MOUNTING DIMENSIONS:  $2\frac{1}{2} \times 3\frac{1}{2}$ "  
PRIMARY: 115 volts, 50-60 cycles.  
SECONDARIES: (1) 700 volts C.T.—70 M.A.  
(2) 5 volts, 3 amps. (280 filament).  
(3) 2.5 volts C.T., 3.5 amps. (2 power tubes).  
(4) 2.5 volts, 7 amps. (3 or 4 heaters).  
Shpg. wt. 8 lbs.  
Flush Mounting Type **\$1.55**  
XC1505—  
Your Cost Each.....  
Horizontal Mounting Type  
Same tube characteristics as above. Mounting centers  $3\frac{1}{2} \times 1\frac{1}{2}$ "  
XC1506— **\$1.69**  
Your Cost Each.....

### 8 and 9 Tube Receivers

For Four or Five 2 1/2 Volt Heater Tubes, Two 2 1/2 Volt Power Tubes and One 280 or 282 Rectifier

MOUNTING AREA:  $3\frac{1}{2} \times 4\frac{1}{2}$ "  
MOUNTING DIMENSIONS:  $2\frac{1}{2} \times 3\frac{1}{2}$ "  
PRIMARY: 115 volts, 50-60 cycles.  
SECONDARIES: (1) 700 volts C.T.—90 M.A. (plate).  
(2) 5 volts, 3 amps. (one 280 filament), or  
(3) 2.5 volts C.T., 3.5 amps. (one 282 filament).  
(4) 2.5 volts C.T., 10.5 amps. (5 or 6 heater tubes).  
Shpg. wt. 8 lbs.

Flush Mounting Type  
XC1507—Using 280 Rectifier. **\$1.75**  
XC1499—Using 82 Rectifier.  
Your Cost Each.....  
Horizontal Mounting Type  
Same tube characteristics as above. Mounting centers  $3\frac{1}{2} \times 2$ "  
XC1508—Using 280 Rectifier. **\$1.89**  
Your Cost Each.....

### 10 and 12 Tube Receivers

MOUNTING AREA:  $3\frac{1}{2} \times 4\frac{1}{2}$ "  
MOUNTING DIMENSIONS:  $3 \times 3\frac{1}{4}$ "  
PRIMARY: 115 volts, 50-60 cycle.  
SECONDARIES: (1) 700 volts C.T.—110 M.A.  
(2) 5 volts at 3 amps. (280).  
(3) 2.5 volts at 3.5 amps.  
(4) 2.5 volts at 15.25 amps.  
Shpg. wt. 9 lbs.

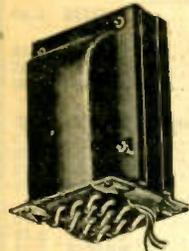
Flush Mounting Type  
XC1509— **\$2.30**  
Your Cost.....  
Horizontal Mounting Type  
Same tube characteristics as above. Mounting centers  $2\frac{1}{2} \times 3\frac{1}{4}$ "  
XC1510—Your Cost Each..... **\$2.45**

### NOTE

For a complete listing of exact duplicate power transformers refer to pages 110, 111, 112 and 113 in Catalog 56.

# POWER TRANSFORMER SPECIALS

## 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. Aver. Shpg. wt. 8 lbs. Hook-up furnished with each transformer. All

have 100-volt, 60-cycle primary.

Chassis	Tubes Used (1-'80. and)	Philco Part	Stock No.
20-220	3-24s; 1-27; 2-71 As	4234	XC1955
65	2-24s; 1-27; 2-45s	3516	XC1956
70	4-24s; 1-27; 2-45s	5117	XC1957
76-77	3-24s; 1-27; 2-45s	3868	XC1958
86	4-26s; 1-27; 2-71s	3271	XC1960
87	4-26s; 1-27; 2-45s	3400	XC1959
90	4-24s; 2-27s; 2-45s	4938	XC1961
95-96	3-24s; 3-27s; 2-45s	3752	XC1962
111-211	4-24s; 4-27s; 2-45s	4446	XC1963
111-211	4-24s; 4-27s; 2-47s	5594	XC1954
50-51	2-24s; 1-35; 1-47	5266	XC1951
71-91	2-44s; 1-37; 1-36		
	2-42s	6804	XC1911

Any of the above models  
Your Cost **\$2.35**

## THORARSON POWER TRANSFORMERS

### Half-Shell Types



Made for general replacement purposes and for use in new equipment. All terminals color coded for easy identification. Both 2.5 and 6.3 volt types.

#### 2.5 Volt (5 to 9 tubes)

T-4900—Primary 110 volts. Secondaries 5 volts at 2 amps., 2.5 volts at 8½ amps. and 700 volts C. T. at 70 M. A. Dimensions 3¾ x 3". Hole required in chassis 1½ x 2½". Shpg. wt. 8 lbs.  
XA424—Your Cost **\$1.90**

#### 2.5 Volt (8 to 12 tubes)

T-6363—Primary 110 volts. Secondaries 5 volts at 2 amps., 2.5 volts at 3 amps., 2.5 volts at 9 amps. and 700 volts C. T. at 80 M. A. Dimensions 3¾ x 3¾". Chassis hole 1½ x 2½". Shpg. wt. 8 lbs.  
XA440—Your Cost **\$2.35**

#### 6.3 Volt

T-7021—Primary 110 volts. Secondaries 6.3 volts at 3 amps., 2.5 volts at 4 amps., 5 volts at 2 amps. and 700 volts C. T. at 70 M. A. Dimensions 3¾ x 3¾". Chassis hole 1½ x 2½". Shpg. wt. 8 lbs.  
XA459—Your Cost **\$2.05**

### Fully Shielded Type

#### 7 to 11 Tubes

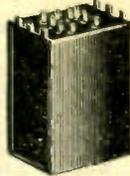
T-5602—Primary 110 volts, 50-60 cycle. Secondaries 2.5 volts at 9 amps., 2.5 volts at 1.5 amps., 5 volts at 2 amps. and 700 volts C. T. at 70 M. A. Dimensions 3¾ x 3¾" high. Color coded leads.  
Shpg. wt. 10 lbs.  
XA261—Your Cost **\$2.50**



## RCA-Victor TRANSFORMERS

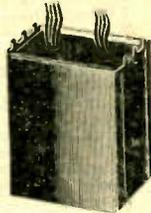
### Brand New!

### VICTOR Models R-32, R-52, RE-45 and RE-75



Exact duplicate of the original. No changes necessary to install. 110 volt, 50-60 cycles. Shpg. wt. 13 lbs.  
XC2185—Your Cost **\$2.65**

### RADIOLA Models 17, 18, 33, 50, 51; VICTOR 7-11, 7-25 and 7-26;



### GRAYBAR 311.

Part No. 8287-8335. Genuine replacement. 50 to 60 cycles. Shpg. wt. 9 lbs.  
XC2150—Your Cost **\$1.35**

RCA 44, 46, 47—GRAYBAR 500, 550  
Part No. 8472. Exact duplicate of the original. Shpg. wt. 10 lbs.  
XC2152—Your Cost **\$2.60**

RCA 60, 62—GRAYBAR Model 340 BRUNSWICK 3NC3, 5NC-8  
Part No. 8344. Exact duplicate of the original. 50-60 cycles. Shpg. wt. 10 lbs.  
XC2153—Your Cost **\$2.60**

RADIOLA 66—GRAYBAR 600  
Part No. 8483—Exact duplicate of the original. 50-60 cycles. Shpg. wt. 13 lbs.  
XC2154—Your Cost **\$2.95**

### RCA-VICTOR Models R-50, R-55, RE-20, RAE-59 and RAE-79. G. E. H-32, H-72; GRAYBAR GB-100.



Original replacement. Shpg. wt. 15 lbs. 110 volt, 60 cycle.  
XC2190—Your Cost **\$2.95**

### RADIOLA Models 80, 82, 86 GRAYBAR Models 700, 770, 900 GENERAL ELECTRIC H31, 51, 71 WESTINGHOUSE MODELS WR5, 6, 7, 8

Part No. 8556. Genuine replacement. 50 to 60 cycle. Shpg. wt. 15 lbs.  
XC2156—Your Cost **\$1.88**

VICTOR Models 35, 39, RE 57, RE 73  
Part No. 10917. Genuine replacement. 50 to 60 cycle. Shpg. wt. 15 lbs.  
XC2195—Your Cost **\$1.88**

### Radiola Models 42 and 48 Victor 14, 15, 17; G. E. Model T-41 Graybar Models 678, RC-3

Genuine Part No. 8609. 110 volt, 50 60 cycle. Shpg. wt. 8 lbs.  
XC2155—Your Cost **\$1.90**

### RCA-Victor Models R11, 18, 18A, RAE-26, R-21 Westinghouse WR-15 G. E. K-62; Graybar GB-9

Exact duplicate of Part No. 7272. 110 volt, 50-60 cycle. Shpg. wt. 9 lbs.  
XC2189—Your Cost **\$3.25**

RCA-Victor R-7 "Superette" G. E. S-22; Graybar 8 Midget  
Genuine Part No. 8679. Shpg. wt. 7 lbs.  
XC2187—Your Cost **\$1.65**

## Stewart-Warner

Model R-119  
Part No. 83442



The genuine Stewart-Warner power transformer for the above model set. Set uses 2-78's, 1-6A7, 1-85, 1-42 and 1-80. Has one 6.3 volt winding at 2 amps.; one 5 volt winding at 2 amps. High voltage 350-350 at 80 M.A. Primary for 110 volts, 50-60 cycles. Upright mounting. Shpg. wt. 5 lbs.  
XC1804—Your Cost **\$1.59**

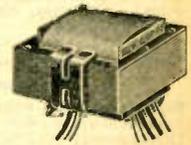
### Models 102A, B, E

Exact duplicate of Part No. 67556. Set uses 2-24A's, 1-85, 1-27, 1-47 and 1-80. Color coded leads. Open type. Shpg. wt. 9 lbs.  
XC2214—Your Cost **\$2.95**

## Atwater Kent Power Transformer

Models 70, 72, 75, L-1, L-2, H-1, H-2

An exact duplicate of the original Atwater-Kent Power transformer used in the above models. Has the special high Voltage secondary winding as used on the original. Extra heavy duty filament winding. No changes necessary to install this unit. Shpg. wt. 6 lbs.  
XC2440—Your Cost **\$3.15**



## Atwater Kent POWER UNITS

These units have been built to the original manufacturers' specifications, and are guaranteed to give lasting and satisfactory service. All are color coded exactly like the original. Complete diagrams supplied with each unit.



For Models 40, 56 and 57  
Shpg. wt. 17 lbs.  
XB1376—Your Cost **\$4.95**

For Model 41 D. C.  
Comes complete with resistors. Shpg. wt. 17 lbs.  
XB1383—Your Cost **\$1.95**

For Models 42, 44, 45 and 52  
Shpg. wt. 17 lbs.  
XB1376—Your Cost **\$4.95**

For Models 43, 46, 47 and 53  
Shpg. wt. 19 lbs.  
XB1375—Your Cost **\$6.90**

### Models 37 and 38



Guaranteed to be equal or superior in performance to the original units. They contain the filter condenser block and three chokes; two high voltage filter chokes and one speaker choke. Constructed using the highest grade of materials. Leads color coded; diagrams furnished. Shpg. wt. 7 lbs.  
XB1378—Your Cost **\$1.70**

POWER TRANSFORMER  
For models 36, 37 and 38. Exact duplicate of the original. Shpg. wt. 9 lbs.  
XC2255—Your Cost **\$2.15**

# Truest "Bottom Shell" Power Transformers



A completely shielded transformer approved by the Underwriters.

### For 5 to 6 Tubes

Secondaries: 5 volts at 3 amps., 2.5 volts at 5 1/2 amps., 2.5 volts C. T. at 1 1/2 amps., 650 volts C. T. at 50 M. A.; primary 115 volts 50-60 cycles. Dimensions: 2 1/2 x 3 1/4 x 3 1/2". Shpg. wt. 5 lbs.

**XC1450—Your Cost. \$1.40**

### For 6 and 7 Tubes

Secondaries: 2.5 volts at 7 amps., 2.5 V. C. T. at 3 amps., 5 volts at 3 amps., 700 volts C. T. at 70 M. A. Dimensions: 3 1/2 x 3 3/4 x 3 1/2". Primaries 115 volts 50-60 cycles. Shpg. wt. 6 lbs.

**XC1451—Your Cost. \$1.60**

### For 8 and 9 Tubes

Secondaries: 2.5 volts at 10.5 amps., 2.5 volts C. T. at 3 amps., 5 volts at 3 amps., 700 volts C. T. at 90 M. A. Primary 115 volts 50-60 cycles. Dimensions: 3 3/4 x 4 1/4 x 3 1/2" high. Shpg. wt. 7 lbs.

**XC1452—Your Cost. \$1.95**

### For 6.3 Volt Tubes

### For 4 and 5 Tubes

Secondaries: 6.3 volts C. T. at 1.6 amps., 5 volts at 2 amps., 650 volts C. T. at 50 M. A. Dimensions: 2 1/2 x 3 x 3 1/4" high. Primary 115 volts 50-60 cycles. Shpg. wt. 4 lbs.

**XE5492—Your Cost. \$1.15**

### For 6 and 7 Tubes

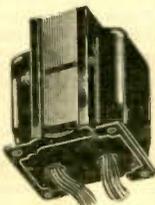
Secondaries: 6.3 volts C. T. at 2.8 amps., 5 volts at 3 amps., 650 volts C. T. at 70 M. A. Dimensions: 2 1/2 x 3 1/2 x 3 3/4" high. Primary 115 volts 50-60 cycles. Shpg. wt. 8 lbs.

**XE5493—Your Cost. \$1.45**

## THORARDSON High Power Transformer

### For Two Type 50 or 10 Power Tubes

Upright mounting transformer, fully shielded. Has long color coded leads for direct connections. Supplies all necessary plate and filament voltages for high powered radio receivers. Also ideal for use with low power transmitters. Has following windings: High voltage delivers 1200 volts C. T. at 200 M. A.; 2.5 volts C. T. at 10 amps.; 7.5 volts C. T. at 3 amps.; 5 volts at 3 amps. (for rectifier). Primary for 115 volts, 60 cycles A. C. High voltage insulation used throughout. Size 5x4x4 1/4"; mounting centers 3x3 3/4". Shpg. wt. 12 lbs.



**XA226—Your Cost Each. \$2.45**

### THORDARSON T-3740

Similar to above. Has lugs and leads. Has following secondaries: No. 1—2.5 volts C. T. at 9 amps. (5 heaters); No. 2—2.5 volts C. T. at 3 amps. (2-45's); No. 3—750 volts C. T. at 110 M. A. (high voltage); No. 4—5 volts at 2 amps. (80 rectifier). Dimensions: 3 1/4 x 3 3/4 x 5 1/4". Shpg. wt. 10 lbs.

**XA223—Your Cost Each. \$3.95**

## GENERAL MOTORS Power Transformers

### Model S1A

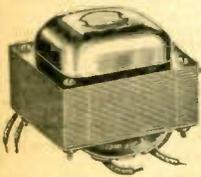
For chassis numbers: 216, 217, 219 and 250. Original Part No. 1204245. For 3-35's, 1-24, 2-27's, 1-47 and 1-80. Shpg. wt. 8 lbs.

**XC251—Your Cost. \$2.75**

### For Model S3A

Chassis No. 252, 253, 254, 255, 256, 257 and 258. Original Part No. 1204179. For 3-35's, 1-24, 3-27's, 2-45's and 1-80. Shpg. wt. 10 lbs.

**XC252—Your Cost. \$2.95**



# POWER

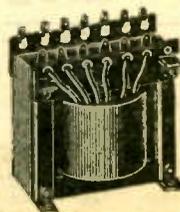
Name of Radio and Model	Stock No.	Your Cost
<b>ALL AMERICAN MOHAWK</b>		
Lyric 90.....	XC2200	\$3.40
D and H.....	XC2201	3.69
<b>AMRAD</b>		
81 Bel Canto Series.....	XC2281	3.85
<b>APEX</b>		
Gloritone 26-A.....	XC2205	2.95
Gloritone 26-P.....	XC2484	2.95
Gloritone 27.....	XC2485	2.45
36 and 37.....	XC2206	3.35
28-A, 29 and 31.....	XC2212	3.75
46, 47 and 48.....	XC2208	3.75
99.....	XC2209	2.70
Case 80.....	XC2210	3.85
8-B.....	XC2211	3.30
7.....	XC2480	2.95
7 (25 cycle).....	XC2481	4.40
9.....	XC2482	2.75
32.....	XC2483	3.40
<b>ATWATER KENT</b>		
36, 37 and 38.....	XC2255	2.15
40, 56, 57, 42, 44, 45, 52 Complete Pack.....	XB1376	4.95
43, 46, 47, 53 Complete Pack.....	XB1375	6.90
41 D. C. Complete Pack.....	XB1383	1.95
55 and 55-C, Early Types.....	XC2449	3.95
55 and 55-C, Late Types.....	XC2446	3.95
60 and 60-C.....	XC2246	4.45
66 Plate Transformer.....	XC2444	4.85
32, 85.....	XC2447	3.45
60 and 60-C, 25 cycle.....	XC2471	4.95
80 and 83.....	XC2472	3.45
80-F and 83-F, 25 cycle.....	XC2473	3.45
84.....	XC2474	3.45
84-F, 25 cycle.....	XC2475	3.95
87, 89 and 89-P.....	XC2476	3.75
89-F, 25 cycle.....	XC2477	5.90
70, 72, 75, L-1, L-2, H-1, H-2.....	XC2440	3.15
310.....	XC2378	3.75

<b>BOSCH</b>		
28.....	XC2254	2.45
29-A.....	XC2336	4.10
48.....	XC2260	3.25
58.....	XC2261	3.25
60.....	XC2262	3.65
133.....	XC2202	3.20
Model 20.....	XC2432	3.15
Model 250-P.....	XC2433	4.45
<b>BRANDES</b>		
B-10 and B-11.....	XC2050	2.75
B-15 and B-16.....	XC2051	4.50
<b>BRUNSWICK</b>		
2-KRO, 3-KRO, 3-KR6, 5-KR, 5-KRO, 5-KR6.....	XC2150	1.35
3-NCB and 5-NCB.....	XC2153	2.60
S-14, S-21, S-81, S-82.....	XC2365	3.75
10.....	XC2082	2.25
11, 12, 16, 33.....	XC2083	3.50
17.....	XC2084	4.25
<b>CLARION</b>		
51, 53 and 55.....	XC2233	3.95
60.....	XC2232	3.95
90.....	XC2236	3.55
<b>COLONIAL</b>		
31.....	XC2363	3.70
32.....	XC2279	3.40
33, 34 and 35.....	XC2280	4.05
36-114, 38-117, 39-125.....	XC2225	3.40
47.....	XC2227	2.75
<b>COLUMBIA-KOLSTER</b>		
980-800.....	XC2057	6.00
931.....	XC2058	6.00
950.....	XC2059	4.45
<b>COLUMBIA RADIO</b>		
Screen Grid 8.....	XC2305	3.40
Screen Grid 9.....	XC2434	3.95
<b>CROSLEY</b>		
Power Converters, 104-105-106 Bandbox.....	XC1882	1.25
AC-7.....	XC1890	1.10
608, 25 cycle.....	XC1885	1.75
704.....	XC1887	1.95
704-A.....	XC1886	1.85
706 Showbox and 704-B.....	XC1850	3.20
40-S, 41-S, 42-S and 82-S.....	XC1851	3.98
32, 40 and 41.....	XC1852	3.95
41-A and 42-A.....	XC1853	3.65
<b>EARL</b>		
21 and 22.....	XC2286	2.55
24, 31, 32, 33 and 41.....	XC2287	2.90
24, 31, 32, 33 and 41, coil only.....	XC2288	1.95

Name of Radio and Model	Stock No.	Your Cost
<b>EDISON</b>		
R-4, R-5 and C-4.....	XC2251	\$3.85
R-6 and R-7.....	XC2306	4.10
R-1, R-2 and C-2 (Plate Transformer).....	XC2350	2.75
R-1, R-2 and C-2 (Filament Transformer).....	XC2338	4.40
<b>EVEREADY</b>		
1, 2 and 3.....	XC2254	2.45
30 series.....	XC2283	2.25
40 and 50 series.....	XC2284	2.70
<b>FADA</b>		
10, 11, 16, 17, 20, 30, 31 and 32.....	XC2277	3.70
25.....	XC2351	3.70
35 and 35-B.....	XC2352	3.70
41, 42, 44, 46 and 47.....	XC2353	3.70
43.....	XC2354	3.70
50, 70, 71, 72 for E-420 Power Unit.....	XC2355	3.70
75 and 77.....	XC2357	3.70
45 (KU).....	XC2358	3.95
RA.....	XC2460	4.20
RC.....	XC2461	4.45
RE.....	XC2462	4.20
KO and KOC, 51, 53, 57.....	XC2464	4.20
KX.....	XC2465	4.20
<b>FREED</b>		
55 and 56.....	XC2286	2.55
65, 78, 79, 90 and 95.....	XC2287	2.90
65, 78, 79, 90 and 95, coil only.....	XC2288	1.95
<b>FREED-EISEMANN</b>		
NR-57 and NR-60.....	XC2285	4.20
NR-85.....	XC2321	3.95
<b>FRESHMAN</b>		
"Q" 60 cycle.....	XC2263	2.45
"QD" 60 cycle.....	XC2264	3.65
G-60-S Plate Transformer.....	XC2311	2.25
N, 2-N, N-11, N-12, N-17, N-60S.....	XC2313	4.70
<b>GENERAL ELECTRIC</b>		
H-31, H-51 and H-71, 60 cycle.....	XC2156	1.88
T-41, 60 cycle.....	XC2155	1.90
T-41, 25 cycle.....	XC2143	3.25
S-22, S-42, 60 cycle.....	XC2187	1.75
S-22, S-42, 25 cycle.....	XC2145	3.45
S-22, S-42, 220 volt.....	XC2146	3.95
T-12, 60 cycle.....	XC2188	1.95
K-62, 60 cycle.....	XC2189	3.25
K-62, 220 volt.....	XC2069	3.95
H-32, H-72, 60 cycle.....	XC2190	2.95
J-72.....	XC2118	2.50
J-80 Series.....	XC2117	2.95
J-83 and J-87.....	XC2119	2.50
J-80 and J-85.....	XC2112	2.95
J-70-75.....	XC2454	1.75
J-100, J-107.....	XC2115	3.50
<b>GENERAL MOTORS</b>		
"A" Chassis, 120, 130, 140, 150, 160.....	XC2278	2.95
MA and MB Chassis for 110, 180, 190.....	XC2518	2.75
253, 254, 255, 256, 257, 258.....	XC2520	2.95
S-1-A, 216, 217, 219, 250.....	XC2521	2.75
<b>GRAYBAR</b>		
311, 60 cycle.....	XC2150	1.35
500 and 550, 60 cycle.....	XC2152	2.60
340, 60 cycle.....	XC2153	2.60
678, RC-3, 60 cycle.....	XC2155	1.90
678, RC-3, 25 cycle.....	XC2143	3.25
600, 60 cycle.....	XC2154	2.95
700, 770, 900, 60 cycle.....	XC2156	1.88
Midget 8, 60 cycle.....	XC2187	1.75
Midget 8, 25 cycle.....	XC2145	3.45

## Universal Replacement For 8 and 9-Tube Receivers

For 6 Heater Tubes, 2-45's or 47's and 1-80 Rectifier



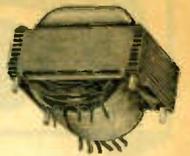
Ideal for general replacement. Has following windings: High voltage delivers 750 volts C. T. at 100 M. A.; 2.5 volts C. T. at 9 amps.; 5 volts at 8 amps.; 5 volts at 2 amps. Primary for 105-120 volts, 50-60 cycles. Size 4 1/2 x 3 1/4 x 4 1/2"; mtg. centers

**XC1488—Your Cost. \$2.65**

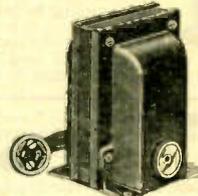
# TRANSFORMERS

## 7 Tube Power Transformer

Flush mounting transformer, used to service a vast number of receivers. Has the following windings: Primary for 110 volts, 60 cycles A. C.; high voltage secondary, 650 volts C. T. at 80 M. A.; 2.5 volts C. T. at 12.5 amps. for 5 heater and 2 power tubes; 5 volts at 2 amps. for 80 rectifier. Size 4x3 1/2"; mounting centers 3 1/2 x 2 3/4". Sprayed silver finish. Shpg. wt. 7 lbs. **XC2039—Your Cost \$1.25**



## Step-Down Transformer 220 Volt to 110 Volt



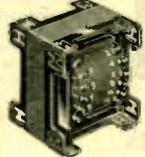
Fully shielded with 6 foot heavy lamp cord for 220 volt line, and flush receptacle for 110 volt side. Size 3 1/2 x 4 x 5 1/2" high, mounting centers 2 3/4 x 3 1/4". For Receivers and Appliances drawing up to 160 watts. Shpg. wt. 9 lbs. **XC1968—Your Cost \$2.80**  
Same as above, but for appliances drawing up to 80 watts. Shpg. wt 6 lbs. **XC1969—Your Cost \$2.05**

## RADIART 160 Watt Variable Step-Down Transformer



200-250 V. to 110-120 V.  
This transformer has a variable primary. Will handle 160 watts continuously. Comes with 16" of lamp cord with female receptacle for 110-120 volt outlet, and 5 ft. lamp cord with male plug for 200-250 volt input. Size 3 1/2 x 3 1/2 x 4". Mounting centers 1 3/4 x 3 1/4". Shpg. wt. 9 lbs. **XC1970—List \$7.50 Your Cost \$4.40**

## Thutest Universal Mounting Transformers



Mount in any position. Overall dimensions: 4 1/2 x 3 1/2 x 3 1/2"; mounting dimensions: 1 1/2" to 2 1/4 x 1 1/2", or 1 1/2" to 2 1/4 x 1 3/4" to 3 1/4".

### For Old Type Sets

**8 to 10 Tubes**  
For 6-226's, 1-227, 2-171A's, 1-280. Primary: 110 volts 50-60 cycles. Secondary: (1) 600 volts C. T. 80 M. A. (plate). (2) 5 volts, 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). Shpg. wt. 6 lbs. 110 volts, 50-60 cycles. **\$2.30**  
**XC1476—Your Cost**

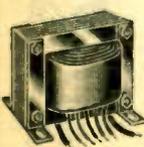
**7 to 9 Tubes**  
For 6-227's, or 224's, 2-171A's, 1-280. Primary: 110 volts, 50-60 cycles. Secondary: (1) 600 volts C. T. 70 M. A. (plate). (2) 5 volts, 2 amps. (1-280 filament). (3) 5 volts C. T. 1/2 amp. (2-171A's filament). (4) 2 1/2 volts C. T. 10.5 amps. (6-227's or 224's filament). Shpg. wt. 6 lbs. 110 volts, 50-60 cycles. **\$2.25**  
**XC1463—Your Cost**

**NOTE**  
We can supply any transformers not shown in the listing at lowest possible prices. 25 cycle transformers supplied on order only. Specify name and model number.

Name of Radio and Model	Stock No.	Your Cost
<b>GRAYBAR—(Cont.)</b>		
Graybarette No. 4, 60 cycle	<b>XC2188</b>	\$1.95
GB-9, 60 cycle	<b>XC2189</b>	3.25
GB-100, 60 cycle	<b>XC2190</b>	2.95
<b>GREBE</b>		
SK-4	<b>XC2235</b>	3.65
AC-6	<b>XC2234</b>	3.65
AH-1	<b>XC2228</b>	4.25
412 Amplifier	<b>XC2229</b>	3.95
<b>GULBRANSEN</b>		
"C," 9-in Line	<b>XC2316</b>	4.40
<b>KENNEDY</b>		
10 and 20	<b>XC2359</b>	2.75
<b>KOLSTER</b>		
K-20, K-21, K-22, K-23, K-25, 60 cycle	<b>XC2052</b>	4.45
K-20, K-21, K-22, K-23, K-25, 25 cycle.	<b>XC2053</b>	5.95
K-24	<b>XC2054</b>	5.30
K-43 and K-48	<b>XC2051</b>	4.50
K-44	<b>XC2055</b>	5.80
6-J and 6-K	<b>XC2066</b>	3.75
International K-60, K-70	<b>XC2067</b>	3.75
International K-80, K-90	<b>XC2068</b>	3.75
<b>MAJESTIC</b>		
70, 71, 72, 7-BP6, Plate-Filament	<b>XC2125</b>	3.75
90, 91, 92, 9-BP6, Plate-Filament	<b>XC2100</b>	1.25
180, 8-BP6, Plate Transf.	<b>XC2169</b>	4.25
70 Series, Filament Transformer 7-BP6	<b>XC2105</b>	.49
90-B and 100-B	<b>XC2127</b>	3.40
Chassis 15: 151, 153, 154	<b>XC1491</b>	1.70
Chassis 20: 21, 22, 23	<b>XC2129</b>	3.75
Chassis 50: 52	<b>XC2132</b>	3.75
Chassis 130: 130, 131, 132	<b>XC2130</b>	3.45
200 Series	<b>XC2136</b>	3.75
25 Series	<b>XC2128</b>	2.95
90B, 100B, 25 cycle	<b>XC2138</b>	6.25
60, 25 cycle	<b>XC2122</b>	5.95
35, 351	<b>XC2099</b>	3.95
210, 211, 214, 215	<b>XC2097</b>	3.95
230A	<b>XC2040</b>	2.95
300, 300A	<b>XC2044</b>	3.25
310A, 311	<b>XC2045</b>	2.10
310B, 314, 315	<b>XC2046</b>	2.25
330, 331, 336, 77	<b>XC2047</b>	1.95
300, 381	<b>XC2016</b>	1.70
800	<b>XC2049</b>	2.25
<b>PHILCO</b>		
15	<b>XC1909</b>	2.35
20 and 220	<b>XC1955</b>	2.35
21	<b>XC1910</b>	2.35
50	<b>XC1951</b>	2.35
60	<b>XC1956</b>	2.35
70	<b>XC1957</b>	2.35
76 and 77	<b>XC1958</b>	2.35
86	<b>XC1960</b>	2.35
87	<b>XC1959</b>	2.35
90 (2-45a)	<b>XC1961</b>	2.35
90 (1-47)	<b>XC1952</b>	2.35
90 (2-47a)	<b>XC1953</b>	2.35
91-121	<b>XC1911</b>	2.35
95 and 96	<b>XC1962</b>	2.35
111 and 211	<b>XC1963</b>	2.35
112 and 212	<b>XC1954</b>	1.70
500 Series (511)	<b>XC1964</b>	2.35
<b>RCA-RADIOLA</b>		
30-A	<b>XC2175</b>	3.10
17, 18, 33, 50, 51; 60 cycle	<b>XC2150</b>	1.35
44, 46, 47; 60 cycle	<b>XC2152</b>	2.60
60 and 62; 60 cycle	<b>XC2153</b>	2.60
66; 60 cycle	<b>XC2154</b>	2.95
66; 25 cycle	<b>XC2193</b>	3.95

Name of Radio and Model	Stock No.	Your Cost
<b>RCA-RADIOLA—(Cont.)</b>		
64 and 67; 60 cycle	<b>XC2157</b>	\$8.35
42 and 48; 60 cycle	<b>XC2155</b>	1.90
42 and 48; 25 cycle	<b>XC2143</b>	3.25
80, 82, 86; 60 cycle	<b>XC2156</b>	1.88
Superette (8 tube), 60 cycle	<b>XC2187</b>	1.65
Superette (8 tube), 25 cycle	<b>XC2145</b>	3.95
Superette (8 tube), 220 volt	<b>XC2146</b>	3.95
Radiolette (4 tube), 60 cycle	<b>XC2188</b>	1.70
R-11, 18 and 18-A; 60 cycle	<b>XC2189</b>	3.25
R-50, R-55 and RE-20, 60 cycle	<b>XC2190</b>	2.95
R-8, R-10, R-12, 60 cycle	<b>XC2112</b>	2.95
R-8, R-10, R-12, 220 volt	<b>XC2114</b>	3.95
R-71, R-72	<b>XC2117</b>	2.95
R-4, R-6	<b>XC2454</b>	1.75
R37, R38, R37P, R38P, 120 R28, R28P, R28BW, RE40, RE40P, 110, 111, 115, 210, 310	<b>XC2008</b>	2.56
140, 141, 141E, 240	<b>XC2010</b>	4.10
R90, R90P, 260	<b>XC2014</b>	5.10
R-100, R-101	<b>XC2011</b>	1.92
330, 331	<b>XC2015</b>	2.88
<b>SONORA</b>		
A-31	<b>XC2275</b>	2.95
<b>SPARTON</b>		
AC-7, 62 and 63	<b>XA229</b>	2.25
930	<b>XA228</b>	2.75
89-A	<b>XA231</b>	4.10
101, 110, 111, 574 and 870	<b>XA233</b>	4.40
589, 591, 593 and 931	<b>XA234</b>	3.53
301, 564 and 570	<b>XA235</b>	5.50
600, 610, 620 and 737	<b>XA236</b>	3.45
410, 420	<b>XA250</b>	2.94
25, 26, 30 and 45	<b>XA251</b>	3.75
69, 79, 79A, 89	<b>XC1834</b>	3.20
<b>STEINITE</b>		
40, 40A, 40S and 45A	<b>XC2276</b>	3.30
70	<b>XC2217</b>	2.90
261, 262, Complete Pack	<b>XC2494</b>	7.25
<b>STEWART-WARNER</b>		
900 Series	<b>XC1809</b>	3.85
950 Series, 951, 952, 953, 961, 962, 963	<b>XC2272</b>	3.55
100-A and 100-B	<b>XC2242</b>	3.65
515, 516, 715, 801, 801-A, 802	<b>XC2204</b>	3.40
102, A, B, E	<b>XC2214</b>	2.95
102, A, B, C, 25 cycle	<b>XC2216</b>	4.95
R-119	<b>XC1804</b>	1.59
<b>STROMBERG-CARLSON</b>		
10, 11, 25 and 26	<b>XC2370</b>	3.45
12 and 14	<b>XC2282</b>	4.75
19, 20, 22 and 22A	<b>XC2371</b>	3.75
38, 39, 40, 41	<b>XC2392</b>	3.45
635 and 636	<b>XC2256</b>	3.45
638, 25-60 cycle	<b>XC2249</b>	3.95
641, 642, 652, 654	<b>XC2257</b>	3.40
846 and 848	<b>XC2258</b>	4.10
846 Speaker Transformer	<b>XC2346</b>	3.25
60	<b>XC1833</b>	3.75
<b>VICTOR</b>		
R-32, RE-45, R-52 and RE-76 (new type)	<b>XC2185</b>	2.65
15, 14 and 17	<b>XC2155</b>	2.10
35, 39 and 57, 60 cycle	<b>XC2195</b>	1.88
35, 39 and 57, 25 cycle	<b>XC2442</b>	4.95
7-11, 7-25, 7-26 and 17-8, 60 cycle	<b>XC2150</b>	1.35
9-18 and 9-54	<b>XC2157</b>	8.38
R-7AC	<b>XC2187</b>	1.65
R-5AC	<b>XC2188</b>	1.70
R-11	<b>XC2189</b>	3.25
RAE-59, RAE-79, 60 cycle	<b>XC2190</b>	2.95
<b>WESTINGHOUSE</b>		
WR-4	<b>XC2155</b>	1.90
WR-5, WR-6 and WR-7	<b>XC2156</b>	1.88
WR-10A	<b>XC2187</b>	1.65
WR-14	<b>XC2188</b>	1.70
WR-15	<b>XC2189</b>	3.15
<b>ZENITH</b>		
50-60 and 70 Series: ZE-50, ZE-60, ZE-70 Power Units	<b>XC1980</b>	3.50
35PX, 35APX, 37A: ZE-18 Plate Transformer	<b>XC1983</b>	3.20
Super-Het, 10, 11 and 12, 60 cycle	<b>XC1981</b>	3.20
50, 60, 70 Series, 25 cycle	<b>XC1988</b>	4.95
ZE240	<b>XC1978</b>	2.30
ZE-7 Plate Transformer	<b>XC1985</b>	4.15
ZE-11 Plate Transformer for 34-P, 35-P, 37A	<b>XC1976</b>	3.25
410, 411	<b>XC1977</b>	3.65

## Field Exciter Transformers



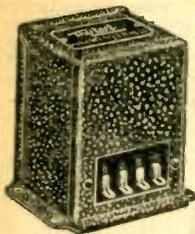
Open type with long color coded leads. Have primary, high voltage and rectifier filament windings. Deliver full rated voltages and current. Primaries for 105-120 volts, 50-60 cycles A. C. Average size 3x2 1/2 x 2". Shpg.

wt. each 4 lbs.  
**XC2291—Delivers 250 volts at 50 M. A. with 80 rectifier. Your Cost Each \$1.75**  
**XE5506—Delivers 100 volts at 110 M. A. with 80 rectifier. Your Cost Each \$2.25**  
**XE5507—Delivers 160 volts at 160 M. A. with 83 rectifier. Your Cost Each \$2.45**

Mail Your Orders to NEW YORK or ATLANTA

# Trutest De Luxe AUDIOS

## The Most Comprehensive Line of DELUXE AUDIO EQUIPMENT AVAILABLE



The excellent performance of Trutest De Luxe Audio Equipment is due to intelligent design, unusual care in manufacture and selection of high quality material. Special high quality steel is used in the core laminations and a coil structure is employed which provides low distributed capacity, low capacity coupling and a high coupling factor. In all cases where a tap is brought out, it is done between sections and never from within the winding. Coils are layer wound and carefully tested. Failure due to coil defects are almost unheard of.

Core steel is treated for maximum magnetic value. Dimensional accuracy of laminations and assembly insures complete freedom from the perplexing hum caused by even a slight irregularity in these respects. Maintenance of such high standards of material and workmanship is possible through our policy of laboratory controlled production. Our engineers are responsible for factory production as well as design. Shielded in a heavy gauge steel case, with a pleasing black shrivell finish. Size  $2\frac{1}{2} \times 2\frac{1}{2} \times 3\frac{1}{2}$ ". Average shpg. wt. 3 lbs.



### Inter-Stage Audios

- XC1580**—1st Stage Audio, De Luxe, ratio  $3\frac{1}{2}:1$ .  
Your Cost **\$2.40**
- XC1579**—Push-pull Input, De Luxe, ratio  $2\frac{1}{2}:1$ .  
Your Cost **\$2.50**
- XC1582**—Push-pull Plates to push-pull grids, ratio 1.75:1.  
Your Cost **\$2.45**
- XC1577**—Push-pull Input, split secondaries, isolated, ratio 1.75:1.  
Your Cost **\$2.75**

### Tube-to-Line Transformers

- XC1591**—Two 43, 171A, 250 or 245 type tubes to 500 ohm line, 15 ohm winding for voice coil or monitor.  
Your Cost **\$2.75**
- XC1592**—Two 18, 20, 33, 41, 42, 47, 59, 2A5 type tubes to 500 ohm line, 15 ohm winding for voice coil or monitor.  
Your Cost **\$2.75**
- XC1593**—Operating out of General purpose to 500 and 200 ohm lines.  
Your Cost **\$2.75**
- XC1943**—Two 2A3 type tubes to a 250, 500, 1000 ohm line.  
Your Cost **\$2.75**

### Mixer Transformers

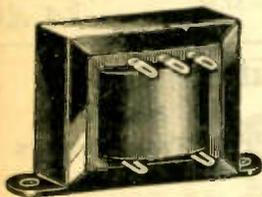
- XC1587**—Input, two button microphone, 200 ohm to grid of tube.  
Your Cost **\$2.25**
- XC1590**—Input, two button microphone, 200 ohm to 500 ohm line.  
Your Cost **\$2.45**
- XC1598**—Input, two button microphone, 200 ohms to a 50 ohm output. For using four microphones with four of these transformers; with secondaries in series feeding into a 200 ohm line.  
Your Cost **\$2.45**
- XC1944**—Velocity ribbon microphone to a 200 and 500 ohm line.  
Your Cost **\$2.75**
- XC1936**—50, 200, 500 ohm line to 50, 200, 500 ohm line.  
Your Cost **\$2.75**
- XC1937**—Universal line to grid of a tube.  
Your Cost **\$2.75**

### De Luxe Screen Grid Audio Coupler

Used to couple a screen grid detector to an audio tube. Gives three times the amplification of resistance coupling. Size  $3\frac{1}{2} \times 2\frac{1}{2} \times 2\frac{1}{2}$ ". Shpg. wt. 3 lbs.  
**XC1594**—Your Cost **\$2.45**

### Output Coupling Transformers

- XC1930**—Single 171A-245-43-50 output to a dynamic speaker 2-8-15 ohm voice coil.  
Your Cost **\$2.40**
- XC1584**—Push-pull 45-71A-43-50 output to a dynamic speaker 2-8-15 ohm voice coil.  
Your Cost **\$2.50**
- XC1931**—Single 18-20-33-41-42-47-59-2A5 output to a high impedance magnetic speaker.  
Your Cost **\$2.40**
- XC1933**—Single 18-20-33-41-42-47-59-2A5 output to a dynamic speaker 2-8-15 ohm voice coil.  
Your Cost **\$2.95**
- XC1585**—Push-pull 10-18-20-33-41-42-46-47 2A5-59 (Class B) output to a 2-8-15 ohm voice coil of a dynamic speaker.  
Your Cost **\$2.45**
- XC1934**—Push-pull 2A3-48 output to a dynamic speaker 2-8-15 ohm voice coil.  
Your Cost **\$2.45**
- XC1947**—Push-pull Class B 49s (53-79-89) (Class A 38s) to a dynamic speaker 2-8-15 ohm V. C.  
Your Cost **\$2.25**



## Trutest Standard Replacement Audios and Chokes

This line of Trutest audio components is exceptionally complete. They are not to be confused with inferior types which are built to a price rather than a quality standard. All Trutest audio transformers are constructed using the finest grade of silicon steel for core material. Coils are wound with brand new copper wire of the proper gauge for each particular application. Insulation is tested at 1250 volts A. C. Average size of units is  $3\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{3}{4}$ "; mounting centers  $2\frac{3}{8}$ ". Average shpg. wt. 3 lbs.

### Outputs

- XC1553**—Output, Single '45 type tube to a 5-15 ohm voice coil of dynamic speaker.  
Your Cost **75¢**
- XC1554**—Output Push-pull '45s type tubes to a 5-15 ohm voice coil of dynamic speaker.  
Your Cost **75¢**
- XC1555**—Output, Single Pentode '47 to a 5-15 ohm voice coil of dynamic speaker. M  
Your Cost **75¢**
- XC1556**—Output, Push-pull Pentodes, to a 5-15 ohm voice coil of dynamic speaker.  
Your Cost **75¢**
- XC1564**—Output, Push-pull, 49's Class B, to a 5-15 ohm voice coil of dynamic speaker.  
Your Cost **\$1.15**
- XC1566**—Output, Push-pull 2A3's, to a 5-15 ohm voice coil of dynamic speaker. ( $2\frac{1}{2} \times 3 \times 2\frac{1}{2}$ ").  
Your Cost **\$1.89**

### Filter Chokes

- XC1557**—Choke, 25 henry, 25 M. A. maximum D. C. Resistance of 830 ohms.  
Your Cost **69¢**
- XC1558**—Choke, 11 henry, 60 M. A. maximum D. C. Resistance of 300 ohms.  
Your Cost **69¢**
- XC1570**—Choke, Heavy Duty, 30 henry, 125 M. A. maximum D. C. Resistance of 200 ohms.  
Your Cost **89¢**

### Audios

- XC1550**—Audio, either stage of straight audio amplification. Radio 3:1.  
Your Cost **75¢**
- XC1551**—Push-pull Input, from single plate to 2 grids. Ratio 2.5:1.  
Your Cost **78¢**
- XC1552**—Push-pull Inter-stage, between 2 plates and 2 grids. Ratio 1.75:1.  
Your Cost **98¢**
- XC1562**—Push-pull Input, Split Secondaries (isolated), between 1 plate and 2 grids. Ratio 1.75:1.  
Your Cost **\$1.08**

### Special Line Transformer

A special transformer with coil wound on a  $1\frac{1}{2}$ " core of special high permeability iron. Frequency characteristics exceptionally fine. Low loss factor.  
**XC1565**—500 to 250 ohm line to  $\frac{1}{2}$ - $\frac{3}{4}$ -1.5-2-2.5-4-6-8-10-15 ohm voice coil.  
Your Cost **\$2.45**

### Double Button Mike Transformers

- XE5448**—Double Button Microphone transformer, 200 ohms each side of center tap.  
Your Cost **82¢**

## Trutest

### Midget Transformers and Chokes



An extremely compact, yet highly efficient series of transformers and chokes particularly suited for use in auto radio receivers and A. C.-D. C. compact radios. They can, however, be used in any type of receiver or amplifier. Unshielded strap mounting type with rust resisting frame. Dimensions  $1\frac{1}{2} \times 1\frac{1}{8}$ ". Mounting centers  $2\frac{3}{8}$ " apart.

### Transformers

- XC1619**—Interstage audio, ratio  $3\frac{1}{2}:1$ .  
**XC1620**—Push-pull Input, ratio  $1\frac{1}{2}:1$ .  
**XC1607**—Single Output: 45, 48, 71A, 43, etc. to 5-15 ohm voice coil.  
**XC1609**—Single Output: 47, 59, 33, 2A5, 89, 31, 27, 42, 18, etc., to 5-15 ohm voice coil.  
**XC1614**—Push-pull Output: 45, 48, 71A, 43, etc., to 5-15 ohm voice coil.  
**XC1615**—Push-pull Output: 47, 59, 33, 2A5, 89, 31, 20, 42, 18, etc., to 5-15 ohm voice coil.  
Your Cost **54¢**

### Chokes

- XC1601**—10 Henry Choke. Resistance 200 ohms, 50 M. A. maximum D. C.  
Your Cost **35¢**
- XC1602**—11 Henry Choke. Resistance 250 ohms, 65 M. A. maximum D. C.  
Your Cost **35¢**
- XC1603**—13 Henry Choke. Resistance 350 ohms, 50 M. A. maximum D. C.  
Your Cost **35¢**
- XC1604**—20 Henry Choke. Resistance 500 ohms, 35 M. A. maximum D. C.  
Your Cost **44¢**

# STANDARD AUDIO Transformers

## Lafayette "P.A." Transformers

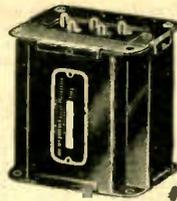
Employ the finest grade of high permeability core material. Each unit individually checked for frequency characteristics and overall performance. Uniform response, low wave-form distortion, high efficiency, thorough shielding and dependability are assured. Only more popular numbers are listed below; for complete line refer to page 116 in Catalog 56.

**CLASS B OUTPUTS**  
 P. P. 49, 53, 79, 89 plates to 500, 200, 16, 8, 5, 3 and 1.5 ohms. Type A mounting.  
**XD5430—Your Cost \$4.20**  
 P. P. 46 or 59 plates to 500, 200, 16, 8, 5, 3, and 1.5 ohms. Type A mounting.  
**XE5431—Your Cost \$4.20**  
**Tube to Line Transformers**  
 From a low level triode plate to 500, 200 or 50 ohms. Type A mounting.  
**XC2576—Your Cost \$3.90**

**Class A Output Transformers**  
 All secondary impedances of the units listed below are tapped for 500, 250, 15, 8, 5, 3 and 1.5 ohms.  
 Primary 5000 ohms plate to plate or 3000 ohms plate to plate. For 5000 ohms will match P. P. self bias 2A3's. Single 59 triode, 71A, or 2B6. For 3000 ohms will match P. P. 2A3's fixed bias. Type B mounting.  
**XC2563—Your Cost \$4.20**  
 Primary 2500 ohms plate to plate or 1500 ohms plate to plate. For 2500 ohms will match four self biased 2A3's in push-pull parallel circuit. For 1500 ohms will match four 2A3's in push-pull parallel circuit fixed bias. Type C mounting.  
**XC2564—Your Cost \$5.95**

**Overall Dimensions**  
 Mtg. Dim. L W H  
 Type A—1½x2½" 2½" 3" 3"  
 Type B—2½x3½" 3½" 4½" 3"  
 Type C—3½x4½" 3½" 4½" 4½"  
**CLASS B INPUTS**  
 Driver plate to 49, 53, 79, or 89 grids. Type A mounting.  
**XE5429—Your Cost \$3.25**  
 Driver 46 or 59 plate to 46 or 59 grids. Type A mounting.  
**XC2555—Your Cost \$3.45**

**Class A Input Transformers**  
 From one plate to one grid. Ratio 3:1. Type A mtg.  
**XC2569—Your Cost \$2.70**  
 From one plate to two grids. Ratio 2:1 each side. Split secondaries. Type A mounting.  
**XC2570—Your Cost \$2.95**  
 From 2 plates to 2 grids. 1:75 ratio each side. Both primary and secondary in two sections. Type A mounting.  
**XC2571—Your Cost \$3.60**  
 500, 200 or 50 ohm line to single grid. Type A mounting.  
**XC2572—Your Cost \$3.90**  
 500, 200 or 50 ohm line to push-pull grids. Type A mounting.  
**XC2578—Your Cost \$4.45**  
**Mixing and Matching Transformers**  
 Mixing 500, 200 or 50 ohm line to 500, 200 or 50 ohm line. Type A mounting.  
**XC2594—Your Cost \$3.25**



## TruTest Filament Transformers

2½ volts at 10½ Amperes  
 Guaranteed to deliver rated voltages and load without heating. 110 volts primary. 1000 volts insulation. Size 3x2x1½". Shpg. wt. 3 lbs.  
**XC2383—Your Cost \$1.25**  
 Same as above but uncased. 2½ volts at 10½ amps. Semi-open type—strap mounting.  
**XC2387—Your Cost \$1.10**  
 Same as above except 2½ volts at 5½ amps. Uncased.  
**XC2388—Your Cost \$0.95**  
 Two separate windings of 2½ volts at 5½ amps., each. Uncased.  
**XC2443—Your Cost \$1.29**  
 5 volts 4 amps. Uncased type, strap mounting with leads.  
**XC2441—Your Cost \$0.95**  
 6.3 volts at 3 amps. Uncased type, strap mounting with leads.  
**XE5492—Your Cost \$1.39**  
 7.5 volts at 3½ amps. Uncased type, strap mounting with leads.  
**XE5496—Your Cost \$1.10**



# JEFFERSON Transformers

## UNIVERSAL OUTPUTS



Primary and secondary tapped to match the output of any existing output tube to any voice coil. Full instructions for connections for various types of tubes and voice coils included. Size 1½ x 2½ x 2". Shpg. wt. 2 lbs.

**XE5432—Type 467-170**  
**Your Cost Each \$0.94**

Identical with the above, but with oversized core. Size 2x2½x2". Type 467-176.  
**XE5433—Your Cost Each \$1.18**

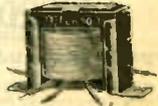
## SPECIAL AUDIO Transformer



This compact audio unit can be used in any set, either A.C. or D.C., using straight audio amplification. Its low height makes it especially suited for sub-base installations. Two sets of brackets are provided for horizontal or vertical mounting. Turn ratio 3:1. Core of high grade silicon steel. Units afford exceptionally fine frequency response. Supplied with long insulated leads for direct connections in chassis. Size 1½" high, 2¾" wide and 2¼" deep. Shpg. wt. 2 lbs.

**XE5461—Type 467-164.**  
**Your Cost, Special \$0.73**

## AUDIO UNITS



Type 467-403—Straight audio, ratio 1:3. Strap mounting. Size 2x3¼x1½". Shpg. wt. 2 lbs.  
**XE5443—Your Cost Ea. \$0.76**  
 Type 467-404—Push-pull, input transformer. Ratio 1:3. Strap mounting. Size 2x3¼x1½". Shpg. wt. 2 lbs.  
**XE5444—Your Cost Each \$0.82**

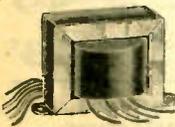
## Microphone Transformers

Type 467-413—Single button mike transformer. Turn ratio 1:64. Flat from 30 to 7000 cycles. Size 2x3¼x1½". Shpg. wt. 2 lbs.  
**XE5447—Your Cost Each \$0.76**  
 Type 467-414—Similar to above, but double button mike. Size 2x3¼x1½".  
**XE5448—Your Cost Each \$0.82**

**NOTE: We can supply Jefferson products not listed here at a discount of 40 and 2% from the list price.**

## TruTest Tube Tester Filament Transformer

1½, 2, 2½, 3.3, 5, 6.3, 7½, 15, 25, and 30 Volts.

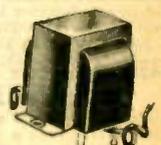
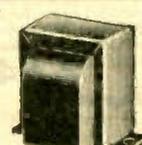


A high quality filament transformer for replacement in standard tube testers for all type tubes including battery tubes and new auto tubes. Very compact in size, no larger than an audio transformer. Color-coded flexible leads. Primary tapped at 105, 115 and 125 volt, 50-60 cycle. Secondary is single winding with the correct voltages tapped. Shpg. wt. 3 lbs.

**XC1967—Your Cost \$1.20**

## PHILCO Exact Duplicate Replacements

Shipping weight 3 lbs.



Single or P. P. Input			Single or P. P. Output			Chokes			Straight Audio			
Philco Models	Part No.	Stock No.	Your Cost	Part No.	Stock No.	Your Cost	Part No.	Stock No.	Your Cost	Part No.	Stock No.	Your Cost
20-220	4232	XC1738	\$0.95	2766	XC1746		4231	XC1750	\$0.90	For Models 86-87 Part No. 3241 XC1744—Your Cost \$0.85 For Models 500 Series. Part No. 3077. XC1745—Your Cost \$1.35		
65	3537	XC1932	.89	2766	XC1746		3422	XC1752				
70-270	x	x		2673	XC1749		4819	XC1753				
76-77	3872	XC1741	83c	2766	XC1746		3422	XC1752				
86-87	3242	XC1740		2673	XC1749		3422	XC1752				
90-90A (2-45's)	4952	XC1742	1.25	2766	XC1746		4819	XC1753				
90-90A (1-47)	x	x		2673	XC1749	93c	4819	XC1753	93c			
95-96-296	3537	XC1932	89c	2766	XC1746		3422	XC1752				
111-112 (45)	9537	XC1932		2766	XC1746		3422	XC1752				
500 Series	x	x		2766	XC1746		2224	XC1754	1.75			
41-42 D. C.	3872	XC1741	.83	2766	XC1746		8422	XC1752	.95			

Mail Your Orders to NEW YORK or ATLANTA

# THORDARSON Replacement AUDIOS

## Replacement Audio Transformers

Thordarson Audio Replacement Transformers have established an enviable reputation for dependability and service, especially so in warm and humid climates. Three sizes are shown, each available in various mountings so as to meet almost any space requirement.

Stock No.	Type	Mount	Ratio	Size	List	Your Cost
XA213	R100	Fig. 1	1-3	2 1/2 x 1 1/4 x 2"	\$1.75	\$1.03
XA240	R103	Fig. 3	1-3	1 1/2 x 2 x 2 3/4"	2.00	1.18
XA265	T2999	Fig. 2	1-3	1 1/2 x 2 x 2 3/4"	1.75	1.03
XA266	T5736	Fig. 4	1-3	2 x 2 x 2 3/4"	2.00	1.18
XA267	T5737	Fig. 2	1-3	2 1/2 x 1 1/4 x 3"	3.00	1.75
XA268	T5738	Fig. 4	1-3	2 1/2 x 2 1/4 x 3"	3.25	1.90

Average shipping weight 3 lbs.

## Output Coupling Transformers

The Thordarson line of Output Coupling Transformers is designed to cover practically all tube and speaker combinations in general use. The Types R107 and T5701 Transformers are of special interest since it is possible to properly match a wide variety of tubes to any voice coil ranging from 29 ohms to fractions of an ohm, depending on the plate impedance of the power tube used, by means of five secondaries.

Stock No.	Type	Mount	Characteristics	List	Your Cost
XA275	R107	Fig. 3	Universal*	\$2.25	\$1.32
XA276	T3399	Fig. 2	P. P. 45 or 71 to V. C.	1.75	1.03
XA277	T5744	Fig. 4	P. P. 45 or 71 to V. C.	2.00	1.18
XA278	T5701	Fig. 2	Universal*	2.00	1.18

Sizes of above: 1 1/2 x 2 x 2 3/4". Shpg. wt. 3 lbs.

\*Types R107 and T5701 are tapped output Transformers which can be used on either P. P. or single tubes and have a multiplicity of impedance ratios such that they can be used on most dynamic speakers.

XA279	T5745	Fig. 2	P. P. 50 or 45 to V. C.	\$3.00	\$1.75
XA280	T5746	Fig. 4	P. P. 50 or 45 to V. C.	3.25	1.90

Sizes of above: 2 1/2 x 2 1/4 x 3". Shpg. wt. 3 lbs.

V. C. means voice coil of dynamic speaker.



Fig. 1



Fig. 2



Fig. 3



Fig. 4

## Push-Pull Input Transformers

Thordarson Pushpull Input Transformers are produced with the same skill and care characteristic of all Thordarson equipment. The Power Detector Transformers are particularly desirable for receivers having high selectivity to compensate for the loss of high notes due to side band cutting as well as high plate impedance of power detectors.

Stock No.	Type	Mount	Ratio	Size	List	Your Cost
XA216	R101	Fig. 3	1-3	1 1/2 x 2 x 2 3/4"	\$2.25	\$1.32
XA281	T3391	Fig. 2	1-3	1 1/2 x 2 x 2 3/4"	2.00	1.18
XA282	T5739	Fig. 4	1-3	2 x 2 x 2 3/4"	2.25	1.32
XA283	T5740	Fig. 2	1-3	2 1/2 x 1 1/4 x 3"	3.50	2.05
XA284	T5741	Fig. 4	1-3	2 1/2 x 2 1/4 x 3"	3.75	2.20
XA285	T5742	Fig. 2	1-3	2 1/2 x 2 1/4 x 3"	3.50	2.05
XA286	T5743	Fig. 4	1-3	2 1/2 x 2 1/4 x 3"	3.75	2.20

\*Specially designed primary to couple to power detector. Average shipping weight 3 lbs.

## Filter Chokes

The standardization of design of radio receivers makes it possible to meet all service requirements by this line of Filter Chokes. All are carefully insulated and are designed to secure the maximum inductance possible for the specified operating conditions.

Stock No.	Type	Mount	Inductance	Cap'y	List	Your Cost
XA241	R105	Fig. 3	10 H	75 M. A.	\$1.75	\$1.03
XA287	T5751	Fig. 2	5 H	80 M. A.	1.50	.88
XA288	T5752	Fig. 4	5 H	80 M. A.	1.75	1.03
XA289	T5753	Fig. 2	9.5 H	110 M. A.	2.00	1.18
XA290	T5754	Fig. 4	9.5 H	110 M. A.	2.25	1.33

Average shipping weight 3 lbs.

## Push-Pull Output Chokes

Pushpull Output Chokes were widely used in older receivers using either high impedance speakers or speakers incorporating coupling transformers.

Stock No.	Type	Mount	Characteristics	List	Your Cost
XA291	R102	Fig. 3	'45 or '71 Tube	\$2.00	\$1.18
XA292	T5747	Fig. 2	'45-'46-'71, etc.	1.75	1.03
XA293	T5748	Fig. 4	'45-'46-'71, etc.	2.00	1.18
XA294	T5749	Fig. 2	'60-'45-'46-'71	2.75	1.62
XA295	T5750	Fig. 4	'60-'45-'46-'71	3.00	1.75

Average shipping weight 3 lbs.

## THORDARSON

### Type R-300 Audio Transformer

The amplification range has been extended so that even the deepest tones now may be reproduced with amazing fidelity. Shpg. wt. 3 lbs.



XA239—**\$2.35**  
Your Cost...

### Type R-400 Audio

Amplification curve is practically a straight line from 30 to 8000 cycles. Suitable for first stage or input stage. Ratio 3 to 1. Size, 3 1/2 x 2 1/4 x 3" high. Shpg. wt. 4 lbs. **\$2.35**

XA245—Your Cost...

### T-4304 P.-P. Input

Ratio of 2 to 1. May be used following a screen grid power detector having parallel plate feed. Built for use with 210, 245, 247 and 250 types of power tubes in the push-pull stage. Size 3 1/2 x 3 x 3 1/4" high. Shpg. wt. 5 lbs. **\$2.64**

XA243—Your Cost...

### T-2408 P.-P. 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 2 1/2 x 2 1/4 x 3" high. Shpg. wt. 4 lbs. **\$2.35**

XA217—List \$4.00. Your Cost

### Type R-196 Choke

15 H. 85 MA.

A fully shielded and finished product by Thordarson. D. C. resistance of 360 ohms. For filter circuits and speaker output coupling. Size, 2 1/2 x 2 1/4 x 3" high. Shpg. wt. 4 lbs. **\$1.76**

XA242—Your Cost...

### NOTE

Due to limited space it is impossible to list the complete Thordarson line. We can supply any Thordarson product at 40 and 2% from List.

## THORDARSON

### Audio Transformers and Chokes for the New Type Tubes

T5870 Interstage 56 P. P. to 2A3 P. P.	List \$3.75	XA272—Your Cost	<b>\$2.20</b>
T5872 Output 2A3 P. P. to 8-4 ohms.	List \$3.50	XA273—Your Cost	<b>\$2.05</b>
T5873 Output 2A3 P. P. to 500 ohms.	List \$3.50	XA274—Your Cost	<b>\$2.05</b>
T1700 Filter Choke, 8.75 henries, at 150 M.A.	List \$4.50	XA269—Your Cost	<b>\$2.65</b>
T2353A Swinging Filter Choke, Class B Amplifiers. List \$5.00		XA259—Your Cost	<b>\$2.94</b>
T5289 Input Transformer, 46 to 46's, in Class B.	List \$5.00	XA296—Your Cost	<b>\$2.94</b>
T5356 Output 46's Class B to 8-4 ohms.	List \$5.00	XA297—Your Cost	<b>\$2.35</b>
XA298—Your Cost		XA298—Your Cost	<b>\$2.94</b>
T5381 Line Transformer 500 ohm line to 4-8 ohms. List \$4.50		XA299—Your Cost	<b>\$2.65</b>

### T-2357 Microphone Transformer Single Button



For Single Button Microphones primary 200 ohms. Ratio 64 to 1. Size 2 1/2 x 2 1/4 x 2 1/4". Shpg. wt. 2 lbs.

XA257—Your Cost... **\$1.47**

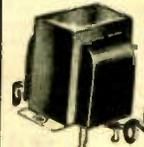
### T-3020 Microphone Transformer Double Button

Designed for use with 2 Button Microphones. Primary impedance: 200 ohms each side of C. T. Ratio 2000 to 1. Size 2 1/2 x 2 1/4 x 3". Shpg. wt. 3 lbs.

XA258—Your Cost... **\$2.35**

## THORDARSON

### Type T-4252 P. P. Input



A fully shielded transformer attractively finished in black enamel. Extra heavy core. For use with 27 into 45, 47, 42, 71A, etc. tubes. Used in Philco models 65, 95, 96, 111, 112. Shpg. wt. 3 lbs.

XC1755—Your Cost... **\$1.70**

### Type T-3855 P. P. Input

Similar in appearance to the above. Ratio 1:4. For use with 27 into a 26 tube (by omitting the center tap) or 26 into P. P. 45, 71A, 31, 50, etc. Used in Philco 86 and 87. Shpg. wt. 3 lbs.

XC1756—Your Cost... **\$1.34**

### T-2927 Screen Grid Coupler

For coupling a screen grid tube to an audio stage. Will provide approximately 3 times the gain of resistance coupling. Inductance 800 henries at 5 milliamperes. Fully shielded. Lugs at bottom. Size: 1 1/2 x 2 1/4 x 2" high. Shpg. wt. 3 lbs.



XE497—Screen Grid Coupler Your Cost... **73¢**

### Grid Modulation Coupling Transformers

T-6773 For coupling a single 46 or 59 modulator tube to grid of R. F. amplifier. Shielded and equipped with lugs. Size 2 1/2 x 2 1/4 x 3". Shpg. wt. 2 lbs.

XA255—Your Cost Each... **\$2.36**

T-6774 is for coupling push-pull 46 or 2A3 modulator tubes to the grid of the R. F. amplifier. Transformer is equipped with soldering lugs and is totally shielded. Size 3 1/2 x 3 x 3 1/4". Shpg. wt. 3 1/2 lbs.

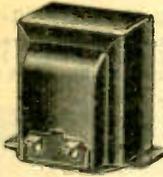
XA256—Your Cost Each... **\$2.94**

# Audio Transformer Specials



## JEFFERSON P. P. Input Transformer

A fully shielded P. P. input transformer with soldering lug terminals on each side. High grade core material assures excellent frequency response. Turn ratio 3:1. Ideal as a general replacement part. Quantity limited; at this exceptionally low price it will pay you to order a few for stock now. Size 2 3/4 x 2 x 2". Shpg. wt. 2 lbs.



**XE5485—Your Cost, Special ... 75¢**

## Thutest High Impedance Primary P. P. Input

Especially designed to couple a screen grid or pentode detector or such as the 24 and 57 to a pair of 45's or 47's, 2A5's, etc., in push-pull.



Extra fine core iron. Strap mounting type with long insulated leads for direct connections. Has 1000 volt insulation. A real quality transformer. Use it instead of resistance coupling to increase gain. Size 3 1/4 x 2 1/4 x 1 1/4". Shpg. wt. 3 lbs.

**XE5493—Your Cost ... \$1.85**

## Thutest Special Line to Voice Coil Transformer

By using a tube to line transformer on the receiver or amplifier and one of these lines to V. C. transformers on each speaker, a perfect match can be obtained resulting in maximum power output and tone quality. The correct way to add an additional speaker to a radio set. Matches 2, 4, 8, or 15 ohm V. C. to 250 or 500 ohm line. Shpg. wt. 2 lbs.



**XE5494—Your Cost Special ... \$1.55**

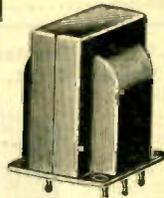
## Thutest Transceiver Audio Transformer

A popular priced combination audio and microphone transformer for use in the new five meter transceivers. For matching single plate and double button mike to one grid. Shpg. wt. 2 lbs.



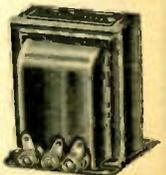
**XC1627—Your Cost ... \$1.10**

## BARGAINS! In Oversize Audios



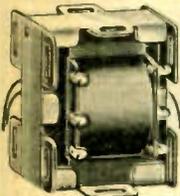
Oversize fine quality audios at exceptionally low prices. Many old type receivers can be greatly improved by installing these large transformers. Size 2 3/4 x 2 1/4 x 3 1/4" high. Shpg.

wt. 2 lbs.  
**XC1932—Push-Pull Input. Your Cost Special ... 83¢**  
**XC1913—Straight Audio similar to above ratio 3:1. Your Cost Special ... 59¢**



Base mounting type with screw terminals. This type is excellent for use in experimental breadboard mounting on top of chassis work. This is an oversize transformer with a large core and provides excellent frequency response. Shpg. wt. 2 lbs.  
**XC1840—Push Pull Input. Your Cost ... 98¢**  
**XC1841—Straight Audio as above ratio 3:1. Your Cost Each ... 79¢**

## UNIVERSAL Output Transformer



Has a combination of taps making it possible to feed from single or P. P. output stage to any voice coil from 2 to 30

ohms, in 2 ohm steps. Unit may be mounted on end or sides. Slots in base allow wide mounting range. Some of the more popular output tubes with which unit can be used are, single or P. P.:

112A	41	31
71A	42	33
46	43	38
50	46	79
47	48	89
10	59	2A5

Diagrams showing connections for all tubes included. Size 2 x 2 1/4 x 1 1/2". Shpg. wt. 3 lbs.

**XC1708—Your Cost ... 78¢**

## Universal Input

Has the same physical specifications as the above transformer. Can be used with single, P. P. or double P. P. audio tubes. Shpg. wt. 4 lbs.

**XC1707—Your Cost ... 83¢**

## The Sales Sensation for 1935 ★ Audio Transformer Selection ★



Your Choice Any Type **45¢ each**



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

**XE5500—Straight Audio. Ratio 3:1.**  
**XC1843—P. P. Input Transformer. Ratio 3:1.**  
**XE5502—Output Transformer. To match single 45 or 71A to a 5-15 ohm voice coil.**  
**XE5503—Output Transformer. To match P. P. 45's or 71A's to a 5-15 ohm voice coil.**  
**XE5504—Output Transformer. To match single 47 or 2A5 to a 5-15 ohm voice coil.**  
**XE5505—Output Transformer. To match P. P. 47's or 2A5's to a 5-15 ohm voice coil.**  
**Your Cost Each, Any Type ... 45¢**

## Audio and P. P. Input Trans.



Well made, fully shielded transformers with excellent frequency response. Especially suited for use as replacement transformers. Primaries and secondaries are wound on heavy high grade material. Shpg. wt. 2 lbs.

**XC1912—Push-Pull Input. Your Cost ... 65¢**  
**XC1914—Straight Audio. Your Cost ... 29¢**

## Exact DUPLICATE AUDIOS for STANDARD RADIO RECEIVERS

Manufacturer	Model and Type	Stock No.	Your Cost
Atwater-Kent	55, 55C, 60, 60C—P. P. Input and Output Pack	XC2492	\$1.89
Atwater-Kent	67—Audio and P. P. Input	XC2243	1.89
Crosley	30S, 31S, 33S, 34S, 40S, 41S, 42S, 82S—P. P. Input	XC1849	.93
Crosley	60S, 61S, 62S, 63S—P. P. Input	XC1848	1.18
Crosley	32, 40, 41, 41A, 42, 704, 706—1st Audio and P. P. Input	XC1892	1.82
General Motors	120, 130, 140, 150, 160—P. P. Input	XC2298	.98
Majestic	70, 90—1st Audio	XC2490	.74
Majestic	70, 90, 180—P. P. Input	XC2109	1.25
RCA-Victor	R32, RE45, R52, RE75—P. P. Input-Output	XC1965	1.58
RCA-Victor	80, 82, 86, R35, R39, R57—P. P. Input-Output	XC1998	1.68
RCA-Victor	R50, R55, RE20, RAE59, RAE79—P. P. Input-Output	XC2001	1.45
RCA-Victor	60, 62—Single Audio	XC2173	.75
RCA-Victor	16, 17, 18, 33, 41, 50, 51—Double Audio	XC2005	1.18
RCA-Victor	R11, 18, 18A, 21, 26—P. P. Input	XC1999	1.25

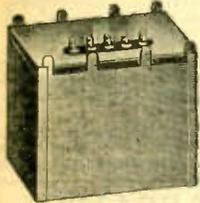
Manufacturer	Model and Type	Stock No.	Your Cost
RCA-Victor	R7, R9—P. P. Input-Output	XC1994	\$2.00
RCA-Victor	R-7A—P. P. Input-Output	XC2098	2.00
Sparton	69, 79—Audio	XC2455	1.18
Sparton	931, 301—Audio	XC2456	1.18
Sparton	101, 110, 111—P. P. Input	XC2466	2.35
Sparton	801—P. P. Input	XC2467	2.06
Sparton	589, 931—P. P. Input	XC2468	1.62
Sparton	930—P. P. Input	XC2469	1.18
Sparton	89, 89A—P. P. Output	XC2486	1.18
Sparton	301—P. P. Output	XC2487	1.47
Sparton	930, 931—P. P. Output	XC2488	1.03
Stromberg	641, 642, 652, 654, 846, 848—Audio	XC2331	1.30
Stromberg	10, 11, 25, 26—P. P. Input	XC2375	3.75
Stromberg	68—1st Audio	XC1813	1.40
Stromberg	68—Driver Input	XC1814	2.15
Zenith	50, 60, 70 Series—P. P. Inter-stage	XC2259	2.15

Mail Your Orders to NEW YORK or ATLANTA

# RCA-VICTOR CONDENSER REPLACEMENT BLOCKS

## Genuine Victor Filter Condenser Block Replacement

for Models R-32, RE-45, R-52, RE-75

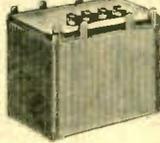


Contains: One 5 mfd., one 3 mfd., one 2.5 mfd. and 5 mfd. sections at 600 working voltage. These are all brand new condenser blocks, never been used or installed before.

Housed in a metal container, 5 1/4 x 5 x 4 1/2". Shpg. wt. 8 lbs. XB890—Your Cost, Special. **54¢**

## Genuine Victor Replacement for Late Models R-32, RE-45, R-52, RE-75

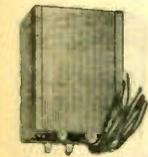
Contains: One 5 mfd., one 3 mfd. and one 2.5 mfd., 600 working voltage. This is for the late Victor models, equipped with 4 taps, but can be used for the early models by using a .5 mfd. condenser in place of the No. 5 tap.



No. 5 tap. XB893—Your Cost. **\$1.10**

## Filter and By-Pass Condenser Assembly Models R-7A, RE-16A

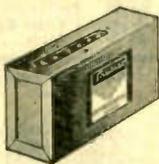
The genuine Replacement Part No. 7256. Contains 1-.005 mfd., .5-.5 mfd., 1-.1 mfd. and 1-1.0 mfd. condensers. In metal container with crimping lugs for mounting. Ideal for use as a general replacement part.



Shpg. wt. 6 lbs. XC1001—Your Cost Each. **89¢**

## Truest MAJESTIC Condenser Blocks

Exact duplicates of the original in every respect. No changes necessary to install. Diagram supplied. For Majestic 7P6, 7BP6 (Sets Using '71 Tubes) Size 8 1/4 x 2 1/2 x 4 1/4". Shpg. wt. 6 lbs. XB1071-7P6 Early. XB1070-7BP6 Late Your Cost Either Type. **\$1.75**



For Majestic 9P6 (Sets with 245 Type Tubes) Size 8 1/4 x 2 1/2 x 4 1/4". Shpg. wt. 4 lbs. XB1067—Your Cost Each. **\$1.85**

## EVEREADY 50 By-Pass



Exact duplicate of the original Eveready Part No. 2822. Contains three .5 mfd. 400 volt condensers. Can negative. Can be used as a general replacement part. Shpg. wt. 1 lb. XB541—Your Cost. **69¢**

## SPARTON By-Pass Condenser Models 9A, 410 and 420

An exact duplicate replacement for the original Sparton Part No. A6456. Contains four sections .3 mfd. each. XB548—Each. **15¢**



## Genuine RCA-RADIOLA Condensers

Radiola 17-50 Brunswick PR-17-8 Victor 7-25

Part No. 8289

Genuine replacement filter condenser for the above sets. Contains: Two 3.5 mfd. one 3

mfd., one 2 mfd., two 1 mfd. Brand new and guaranteed. Shpg. wt. 6 lbs. XB1020—List \$19.20 Your Cost. **\$1.20**

## 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. Shpg. wt. 6 lbs. XB1016—List \$19.00 Your Cost. **\$1.75**

## 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. Shpg. wt. 6 lbs. XB1015—List \$16.50 Your Cost. **\$1.75**

## RCA Model 42 and 48 Transformer and Capacitor Block

For Victor Models 14, 15 and 17; G. E. T-41; Graybar 678; R-C-3; and Westinghouse WR-4. Genuine replacement No. 8608. Consists of filter condensers and coupling reactor in metal container. Shpg. wt. 5 lbs.



XB1021—List \$12.00 Your Cost. **\$2.40**

## RCA-Victor

By-Pass Assemblies Models 17-50-60-62-64

Genuine RCA Part No. 5681. Contains two .5 condensers. XB481—Your Cost Each. **10¢**

For Models 44-46-47

Genuine Part No. 6002. Contains one .25 mfd. and one .75 mfd. condensers. XB485—Your Cost Each. **10¢**

For Models 18 and 51

Part No. 2241. Contains four .5 mfd. XB483—Your Cost Each. **8¢**

For Model 41 A.C.

Genuine Part No. 5664. Contains one .5 mfd. condenser. XB484—Your Cost Each. **9¢** Shipping weight 1 lb.

## Models R-32, RE-45, R-52 and RE-75

Part No. 60074. Contains two .1 mfd. and one .125 mfd. condensers. XB478—Your Cost Each. **9¢**

## By-Pass Condensers R-80, 82 and 86

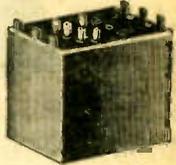
Part No. 7058. Contains three .1 mfd., one .5 mfd. and one 1. mfd. condensers. Also used in G. E. H-31, H-51 and H-71. Shpg. wt. 2 lbs. XB532—Your Cost. **19¢**



## Radiola 18-33-51

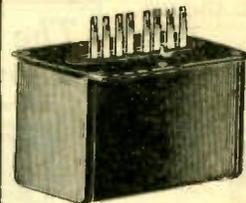
Brunswick, 2Kro, 3Kro, 3Kr6, 5Kr, 5Kro, 5Kr6, Victor 7-11, 7-26 Graybar Model 311 (Part No. 8333)

Original filter condenser for above sets. Contains: Two 1 mfd., one .5 mfd. and output choke. Guaranteed brand new. Shpg. wt. 4 lbs.



XB1019—List \$7.40 Your Cost. **35¢**

## 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. Shpg. wt. 13 lbs. XB1011—List Price \$30.00 Your Cost. **\$4.75**

very best foil and paper. Do not confuse this block with the so-called replacements on the market. Shpg. wt. 13 lbs. XB1011—List Price \$30.00 Your Cost. **\$4.75**

## Filter Condenser Models R-50, R-55, RE-20, RAE-59 and RAE-79

The genuine RCA replacement condenser block part No. 8712-64905, comprising, one 2 mfd., one 3 mfd., two .5 mfd. and one .1 mfd. Shpg. wt. 5 lbs. XB531—Your Cost. **\$2.75**



## SPARTON Models 69, 79, 89

These are brand new condenser blocks made especially for replacement in Sparton models. Only the highest grade of paper and foil used in the construction of these units. The original specifications have been strictly adhered to. For guaranteed satisfaction, use these for Sparton replacements. Shpg. wt. 5 lbs. XB975—Your Cost. **\$2.75**



## SPARTON Model 930

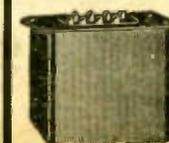
### Condenser Block

Comprises five sections totalling 6.1 mfd. Color code is: red lead is 2 mfd., 1000 volts; three blue leads are 1 mfd., 400 volt sections; brown lead is 1.1 mfd., 600 volt section. In metal container 5 1/4 x 3 1/2 x 2 1/2". Shpg. wt. 5 lbs. XB973—Your Cost. **\$1.75**



## STROMBERG-CARLSON Filter

Models 641, 642, 652, 654



An exact duplicate Stromberg-Carlson filter condenser. Total capacity 9 mfd. Shpg. wt. 11 lbs. XB916—Your Cost. **\$3.50**

# BY-PASS CONDENSERS

## Single Unit By-Pass



Universal mounting types, and compactness for general purpose work. Hermetically sealed in

drawn aluminum cans. Each condenser unit tested at 1000 volts D.C. Assuring you of a quality replacement.

Stock No.	Cap.	Volt.	Your Cost
XD3260	.1	200	\$0.16
XD3261	.25	200	.20
XD3262	.5	200	.24
XD3263	1.0	200	.31
XD3264	2.0	200	.51
XD3265	.1	300	.20
XD3266	.25	300	.28
XD3267	.5	300	.32
XD3268	1.0	300	.43
XD3269	.1	400	.22
XD3270	.25	400	.26
XD3271	.5	400	.33
XD3272	1.0	400	.49

## Multi-Unit By-Pass

Stock No.	Cap.	Volt.	Your Cost
XD3273	1-1	200	
XD3274	1-1-1	200	\$0.32
XD3275	.25-25	200	.36
XD3276	.5-5	200	.47
XD3281	1-1	300	.36
XD3282	.25-25	300	.34
XD3283	.5-5	300	.45
XD3277	1-1	400	.32
XD3278	1-1-1	400	.43
XD3279	.25-25	400	.38
XD3280	.5-5	400	.50

## Receiving MICA Condensers



Stock No.	Cap'y	Your Cost
XD3450	.00005	\$0.10
XD3452	.0001	.09



## Trutest Midget Cartridge Condensers

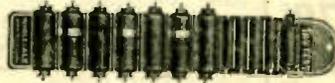
These condensers are very compact, half the size of average cartridge condensers. Especially adaptable to AC.-D.C. sets, or where space is a factor. Sealed at ends, leads cannot pull out.

Stock No.	Cap. Mfd.	Work. Volt.	Your Cost
XD3173	.01	200	\$0.06
XD3175	.05	200	
XD3176	.1	200	<b>7c</b>
XD3177	.25	200	
XD3178	.5	200	.14
XD3179	.01	400	.06
XD3180	.02	400	
XD3181	.05	400	<b>7c</b>
XD3182	.1	400	.08
XD3183	.25	400	.12
XD3174	.5	400	.17
XD3184	.001	600	.07

## Handy Cartridge Condenser Assortment

Complete assortments of the most popular sizes used in average service work. It is the most convenient way of always being certain to have the correct size on hand.

The handy card can be hung over the service bench and refilled as used up. This eliminates searching through a box for a needed size. Contains one of each of the following condensers:



Strip "A"		Strip "B"	
.1	200 volts	.05	200 volts
.5	200 volts	.25	200 volts
.1	400 volts	.05	400 volts
.05	400 volts	.02	400 volts
.1	400 volts	.25	400 volts
.05	400 volts	.01	600 volts
.006	600 volts	.01	600 volts

XD3197 - Strip "A" **\$1.25**  
 XD3198 - Strip "B" **\$1.29**

## Trutest Assorted By-Pass Condensers



A very handy assortment for the Serviceman. Contains twelve of the most popular capacities in drawn metal cans; assorted as follows. Shpg. wt. 8 lbs.

The following capacities at 200 volts: one .1, one .25, two .5, two 1; 300 volts: one .1, one .25, one .5, one 1; 400 volts: one .5, one 1.

XD3289 - **\$3.50**  
 Your Cost.....

## Trutest Cartridge Condenser Kit

Contains twenty-five of the most popular capacities used to service every make and type of receiver. Every serviceman should have this kit in his shop. The following are the capacities and voltage ratings:

Units	Cap.	Volts	Units	Cap.	Volts
4	.01	400	2	.05	400
4	.02	600	2	.05	400
4	.1	200	2	.25	400
3	1	600	2	.5	200
2	.006	600			

Shpg. wt. 4 lbs.  
 XD3199 - Complete kit of 25.  
 Your Cost..... **\$2.59**

## Postage Stamp Condensers



Leads Stock No.	Lugs Stock No.	Cap'y	Your Cost
XD3403	XD3429	.00005	
XD3405	XD3431	.0001	
XD3407	XD3433	.0002	
XD3408	XD3434	.00025	<b>8c</b>
XD3409	XD3435	.0003	
XD3410	XD3436	.0004	
XD3411	XD3437	.0005	
XD3416	XD3442	.001	.10
XD3418	XD3444	.002	.12
XD3419	XD3445	.0025	.14

## NEW! Trutest NEW! TRANSMITTING CONDENSERS - At New Low Prices

Designed especially for amateurs, "hams" and experimenters who require high voltage condensers at a price within reason, yet without sacrifice of quality. These transmitters and other equipment where operating temperatures are encountered using the finest impregnated, sealed, and annealed.



# CORNELL DUBILIER

The **PIONEER** Condenser--



the **QUALITY STANDARD** since 1910

## Cardboard Cased Filter and By-Pass Units

Cornell-Dubilier dry electrolytic condensers embody the latest improvements in condenser design. Capacity is constant over a wide-frequency range, with low power factor under ordinary conditions of use. Solder lug terminals are securely riveted to the containers and will not pull out. Entire condenser is heavily waxed and thoroughly moisture-proofed.

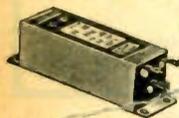


### 525 Volts Peak

Stock No.	Cap'y Mfd.	Dimensions			Your Cost Each
		L	W	D	
XD3618	2	4 1/2"	1 1/8"	1 1/2"	\$0.38
XD3619	4	4 1/2"	1 1/8"	1 1/2"	.44
XD3620	6	4 1/2"	1 1/8"	1 1/2"	.53
XD3621	8	4 1/2"	1 1/8"	1 1/2"	.56
XD3622	10	4 1/2"	1 1/8"	1 1/2"	.68
XD3623	12	4 1/2"	1 1/8"	1 1/2"	.76
XD3699	16	4 1/2"	1 1/8"	1 1/2"	.85
XD3686	4-4	4 1/2"	1 1/8"	1 1/2"	.71
XD3687	4-6	4 1/2"	1 1/8"	1 1/2"	1.18
XD3688	4-8	4 1/2"	1 1/8"	1 1/2"	1.28
XD3689	4-12	4 1/2"	1 1/8"	1 1/2"	1.30
XD3690	6-6	4 1/2"	1 1/8"	1 1/2"	1.73
XD3691	6-8	4 1/2"	1 1/8"	1 1/2"	
XD3692	8-8	4 1/2"	1 1/8"	1 1/2"	
XD3693	4-4-4	4 1/2"	1 1/8"	1 1/2"	
XD3694	8-8-8	4 1/2"	1 1/8"	1 1/2"	
XD3695	8-8-8-8	4 1/2"	1 1/8"	1 1/2"	

**79¢**  
**85¢**

## With Mounting Flanges



Mounting holes are strengthened with eyelets. Individual soldering lugs brought out from base on all dual units. Peak voltage 525 volts; working voltage 450 D. C.

Stock No.	Cap'y Mfd.	Dimensions			Your Cost Each
		L	W	D	
XD3624	4	4 1/2"	1 1/8"	1 1/2"	\$0.44
XD3625	8	4 1/2"	1 1/8"	1 1/2"	.56
XD3626	4-4	4 1/2"	1 1/8"	1 1/2"	.71
XD3627	4-6	4 1/2"	1 1/8"	1 1/2"	1.18
XD3628	4-8	4 1/2"	1 1/8"	1 1/2"	1.28
XD3629	4-12	4 1/2"	1 1/8"	1 1/2"	1.30
XD3630	6-6	4 1/2"	1 1/8"	1 1/2"	1.73
XD3631	6-8	4 1/2"	1 1/8"	1 1/2"	
XD3632	8-8	4 1/2"	1 1/8"	1 1/2"	

**79¢**  
**85¢**

## Special Compact Filters 525 V. Peak 450 V. Working

These new small sized units were designed primarily to be used in the "cigar-box" midgets. Provided with stiff wire leads so that the units are self-supporting. They are only 2 1/2" long and will fit in the smallest sets.



Stock No.	Cap'y Mfd.	W	Size D	List Price	Your Cost Each
XD3614	1	1 1/2"	1/2"	\$0.55	\$0.32
XD3615	2	1 1/2"	3/4"	.65	.38
XD3616	4	1 1/2"	3/4"	.75	.44
XD3617	8	1 1/2"	1 1/8"	.95	.56

## New! Oil Treated Paper Filter Condenser

Many prefer a paper dielectric bypass or filter condenser. This new line has been especially designed to replace the ordinary electrolytic. Capacities indicated are capacities of electrolytic condensers they replace. Non-polarized. Practically no leakage. All leads brought out—common. Compact in size—reasonably priced. Oil treated dielectric but not oil filled. Can be mounted in any position.



### CARDBOARD TYPE

#### 450 V. Working—600 V. Peak

Stock No.	Rep. Cap.	L.	Size W.	D.	Your Cost
XD4083	4	4 1/2"	1 1/8"	1 1/2"	\$0.53
XD4084	8	4 1/2"	1 1/8"	1 1/2"	.68
XD4085	8-8	4 1/2"	1 1/8"	1 1/2"	1.12

#### 600 V. Working—800 V. Peak

Stock No.	Rep. Cap.	L.	Size W.	D.	Your Cost
XD4086	4	4 1/2"	1 1/8"	1 1/2"	\$0.71
XD4087	8	4 1/2"	1 1/8"	1 1/2"	.94
XD4088	8-8	4 1/2"	1 1/8"	1 1/2"	1.56



## Inverted Can Type with Leads

Similar to the above but contained in round metal cans for inverted mounting. Separate leads—no common.

#### 600 V. Working—800 V. Peak

Stock No.	Cap. Mfd.	Size H.	D.	Your Cost
XD3650	4	4 1/2"	1 1/8"	\$0.79
XD3651	8	4 1/2"	1 1/8"	1.03
XD3652	8-8	4 1/2"	1 1/8"	1.65

## "Hi-Mike" Cartridge Type Electrolytics

Self-supporting with wire leads that cannot pull out. Very compact. Hermetically sealed.



Stock No.	Cap'y Mfd.	Work. Volts	Size In.	Your Cost Each
XD3600	5	25	2 1/2" x 3/8"	29¢
XD3601	10	25	2 1/2" x 3/8"	.38
XD3602	20	25	2 1/2" x 3/8"	.38
XD3603	25	25	2 1/2" x 1"	.56
XD3604	50	25	2 1/2" x 1 1/2"	.56
XD3605	5	50	2 1/2" x 3/8"	.29
XD3606	10	50	2 1/2" x 3/8"	.38
XD3607	25	50	2 1/2" x 1 1/2"	.47
XD3608	5	100	2 1/2" x 3/8"	.32
XD3609	10	100	2 1/2" x 1"	.41
XD3610	25	100	2 1/2" x 1 1/2"	.56
XD3611	1	450	2 1/2" x 3/8"	.32
XD3612	2	450	2 1/2" x 1"	.38
XD3613	4	450	2 1/2" x 1 1/2"	.44

## "Hi-Mike" Round Metal Can Condensers Type EA

For use in amplifiers, power units and other equipment where sturdy, neat appearing single section units are required. Can is negative. 525 volts peak; 450 volts D. C. working.



Stock No.	Cap'y Mfd.	L.	Size D.	Your Cost Each
XD3640	2	2 1/2"	1 1/8"	\$0.44
XD3641	4	2 1/2"	1 1/8"	.50
XD3642	6	2 1/2"	1 1/8"	.59
XD3643	8	4 1/2"	1 1/8"	.73
XD3644	10	4 1/2"	1 1/8"	.82
XD3645	12	4 1/2"	1 1/8"	1.36
XD3633	5-15	4 1/2"	2 1/2"	1.06
XD3634	8-8	4 1/2"	2 1/2"	1.27
XD3635	4-4-4	4 1/2"	2 1/2"	1.60
XD3636	8-8-8	4 1/2"	3"	2.20
XD3637	9-9-18	4 1/2"	3"	2.12
XD3638	8-8-8-8	4 1/2"	3"	2.85
XD3639	8-8-18-18	4 1/2"	3 1/2"	

## Inverted Can Type with Leads

Provided with positive and negative leads, both insulated from can.

Stock No.	Cap'y Mfd.	L.	Size D.	Your Cost Each
XD3683	2	2 1/2"	1 1/8"	\$0.44
XD3684	4	2 1/2"	1 1/8"	.50
XD3687	6	4 1/2"	1 1/8"	.59
XD3648	8	4 1/2"	1 1/8"	.62
XD3649	10	4 1/2"	1 1/8"	.73
XD3653	8-8	4 1/2"	1 1/8"	.94

## "Cub" Cartridge Condensers



Cornell "Cub" condensers have become the most universally used condensers in radio set design. Used extensively by over 135 radio set manufacturers. Units are wound on a wooden core, thoroughly impregnated, and cased in cardboard containers. Stiff wire leads are fastened to metal caps which are riveted to the core so that they



## Midget Receiving Micas

With Wire Leads or Lug Terminals	Stock No.	Lugs	Leads	Cap'y
	XD3715	XD3716	XD3717	XD3718

Soldering lug or wire lead terminals. Used extensively by radio manufacturers. 100%

## "Tiger" Units

Designed for the average low  
transmitters and receivers. Dielectric  
ruby mica. Cased in moulded bakelite.

**2500 V. D. C. Test—1000 V. D. C. Work.**

Stock No.	Cap. Mfd.	Cap. Mfd.	Your Cost	Stock No.	Cap. Mfd.	Cap. Mfd.	Your Cost
XD3050	.00004	40	\$0.15	XD3063	.0015	1500	29 <sup>c</sup>
XD3051	.00005	50	.23	XD3064	.002	2000	35 <sup>c</sup>
XD3053	.0001	100	.16	XD3066	.003	3000	
XD3054	.00015	150	.23	XD3068	.004	4000	
XD3055	.0002	200	16 <sup>c</sup>	XD3069	.005	5000	.41
XD3056	.00025	250		XD3070	.006	6000	.50
XD3058	.00035	350		XD3072	.008	8000	.59
XD3060	.0005	500		XD3073	.01	1000	.67
XD3048	.0007	700		.15	XD3075	.015	1500
XD3061	.001	1000	.20	XD3049	Resistor Clips, pr.		.06
XD3074	.012	1200	.48				

**5000 V. D. C. Test—2500 V. D. C. Working**

Stock No.	Cap'y Mfd.	Your Cost	Stock No.	Cap'y Mfd.	Your Cost
XD3085	.00005	\$0.39	XD3080	.0002	\$0.62
XD3076	.0005	.73	XD3081	.002	1.32
XD3077	.0001	.53	XD3082	.001	.88
XD3078	.00015	.59	XD3084	.0015	1.15
XD3079	.00025	.62			

**Postage Stamp Units Type C**

Stock No.	Cap'y Mfd.	Your Cost	Stock No.	Cap'y Mfd.	Your Cost
XD3086	.00005	\$0.09	XD3089	.0005	\$0.12
XD3087	.0001	.09	XD3090	.001	.15
XD3088	.00025	.12	XD3091	.002	.21



For use in  
high voltages and open  
countered. All units are constructed  
foil obtainable; paper dielectric is on  
Housed in heavy metal container, wax  
sealed so as to be moisture proof. Black Japan  
finish. Terminals are mounted on porcelain insulators  
and provided with solder lugs. Size 5x2x1 to 2",  
according to capacity. Average shipping wt. 3 lbs.

XE3234—1 Mfd., 1000 volts. Your Cost Each.....	\$1.10	XE3237—2 Mfd., 1500 volts. Your Cost Each.....	\$2.00
XE3235—2 Mfd., 1000 volts. Your Cost Each.....	\$1.50	XE3238—1 Mfd., 2000 volts. Your Cost Each.....	\$1.75
XE3236—1 Mfd., 1500 volts. Your Cost Each.....	\$1.45	XE3239—2 Mfd., 2000 volts. Your Cost Each.....	\$2.45

**NOTE :** Though designed primarily for amateur use, the  
above units have many other industrial applica-  
tions. All accurately rated as to voltage and capacity.

**Mail Your Orders to NEW YORK or ATLANTA**



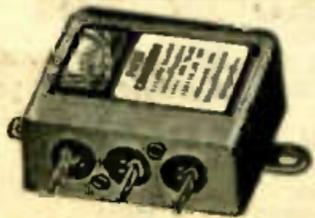
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78 .0001 }

XD3679	00025	12c	
XD3680	.0005		
XD3719	XD3681	001	.15
XD3720	XD3682	002	.21
XD3721	XD3871	.003	.24
XD3722	XD3872	.004	.27
XD3723	XD3873	.005	.32

er-  
ay by set  
000 volt test.

### Metal Can By-Pass Units

**Non-Inductive.** Housed in one-piece drawn metal cans, and thoroughly plated to prevent corrosion. All units are hermetically sealed against moisture. Dual units have common terminal; triple units have common grounded to can.



#### SINGLE SECTIONS

Stock No.	Cap'y Mfd.	Working Volts	Your Cost
XD4967	.05	400	\$0.27
XD4068	.1	400	.29
XD4069	.25	400	.35
XD4070	.5	400	.44
XD4071	1.0	400	.59
XD4072	2.0	400	.91
XD4073	.1	600	.35
XD4074	.25	600	.41
XD4075	.5	600	.56

Stock No.	Cap'y Mfd.	Working Volts	Your Cost
XD4076	1.0	600	\$0.88

#### MULTIPLE SECTIONS

XD4077	.1-.1	400	50.38
XD4078	.25-.25	400	.47
XD4079	.5-.5	400	.59
XD4080	.1-.1-.1	400	.50
XD4081	.1-.1	600	.41
XD4082	.25-.25	600	.59
XD4084	.1-.1-.1	600	.71

Developed to meet the demand for an extremely low cost condenser especially suited for use in small midget sets where space is limited. They are light in weight, and can easily be connected between points by means of their leads only.

Stock No.	Cap'y Mfd.	Diam. In.	Work Volts	Your Cost
XD3735	.01	.440	400	12c
XD3736	.02	.440	400	
XD3737	.05	.440	400	.15
XD3738	.1	.578	400	.18
XD3739	.25	.688	400	.24
XD3740	.5	.813	400	.29
XD3684	.0001	.440	600	12c
XD3685	.00025	.440	600	
XD3741	.0005	.440	600	
XD3742	.001	.440	600	
XD3743	.002	.440	600	
XD3744	.005	.440	600	
XD3745	.01	.440	600	
XD3746	.02	.440	600	.15
XD3747	.05	.578	600	.18
XD3748	.1	.688	600	.21
XD3749	.25	.875	600	.27
XD3750	.5	1.000	600	.35

ened  
gouged into  
cannot loosen.

Mfd.	Diam. In.	Work Volts	Your Cost
XD3734	.1	400	\$0.18
XD3724	.25	400	.24
XD3725	.5	400	.29
XD3726	1.0	400	.44
XD3727	.1	600	.21
XD3728	.5	600	.35
<b>"Dual Cabs"</b>			
XD3729	.01-.01	400	.24
XD3730	.05-.05	400	.29
XD3731	.01-.01	600	.27
XD3732	.05-.05	600	.35
XD3733	.1-.1	600	.38

# SPRAGUE

POWER FACTOR UNDER 10%

# Condensers

INSURING MAXIMUM FILTERING



## Upright Can Type Dry Electrolytics

For general replacement use, or for use by the set builder.

Mounted in cylindrical aluminum cans. Larger sizes have bolt and nut terminals, smaller sizes, soldering lugs. Come complete with mounting ring that permits mounting condenser in any position. Max. surge voltage 600 volts.

Stock No.	Cap'y Mfds.	Size L D	Your Cost
XD2600	2	3 1/2 x 1"	\$0.65
XD2601	4	3 1/2 x 1"	.74
XD2602	6	4 1/2 x 1"	.85
XD2603	8	4 1/2 x 1 1/2"	.88
XD2604	10	4 1/2 x 1 1/2"	1.06
XD2605	12	4 1/2 x 1 1/2"	1.21
XD2606	16	4 1/2 x 1 1/2"	1.35
XD2607	8-8	4 1/2 x 1 1/2"	1.41
XD2608	4-4-4	4 1/2 x 1 1/2"	1.65
XD2609	8-8-8	4 1/2 x 1 1/2"	2.35
XD2610	5-15	4 1/2 x 2 1/2"	1.96
XD2611	9-9-18	4 1/2 x 3"	3.41
XD2612	9-9-18-18	4 1/2 x 3"	4.79
XD2613	8-8-8-8	4 1/2 x 3"	3.15
XD2614	8-8-18-18	4 1/2 x 3"	4.44
XD2615	18-18	4 1/2 x 2 1/2"	2.88

## Inverted Can Type

This type, made only in the smaller sizes, has a threaded neck with a bolt and lock washer to mount through hole in chassis.

Stock No.	Cap'y Mfds.	Size L D	Your Cost
XD2616	4	3 1/2 x 1"	\$0.74
XD2617	6	4 1/2 x 1"	.85
XD2618	8	4 1/2 x 1 1/2"	.88

## "500" Wet Electrolytics

Electrolysis has been overcome in these condensers by using a chromium plated can. 500 volt peak.

Stock No.	Cap'y Mfds.	Size L D	Your Cost
XD2913	4	4 1/2 x 1"	\$0.74
XD2914	8	4 1/2 x 1"	.85
XD2915	10	4 1/2 x 1 1/2"	.88
XD2923	12	4 1/2 x 1 1/2"	.91

## Special Replacements for A. C. - D. C. Receivers



Though having a lower voltage rating (dual five-50 volts; dual four-150 volts) than the balance of the 600-Line, these special replacements have been included because they will stand up far longer than the condensers ordinarily used.

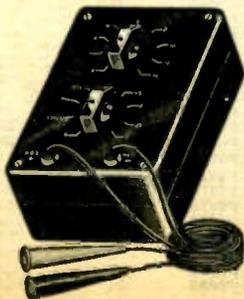
Stock No.	Cap'y Mfds.	Size L W T	Your Cost
XB473	5-5	2 1/2 x 1 x 1 1/2"	\$0.68
XB474	4-4	2 1/2 x 1 x 1 1/2"	.85

## CAPACITY INDICATOR

"It Chirps on Overloads"

The new patented Sprague Surge Arrester built into this new Capacity Indicator chirps when voltages over 475 volts are applied. Indicator checks capacities from .00025 to 16 mfd., in two ranges; from .00025 to .5 and from 1 to 16 mfd. Capacities selected by means of two rotary switches of the self-cleaning wiping contact type. Entire unit housed in fine bakelite case 7 1/2 x 4 1/2 x 3 1/2". Terminals marked for easy connections. Complete with test leads and instructions.

Shpg. wt. 7 lbs.  
**XW10451—**  
**Your Cost \$8.90**



## SPRACO 450 Volt Condensers with "Extra Safety Factor"

These condensers have a special filler which makes it possible to get higher capacity in smaller space. Have extra safety factor voltage rating, low power factor, extremely low leakage, and are absolutely impervious to moisture. Extremely small size allows them to be mounted anywhere. They are light weight, and self-supporting. Provided with insulated leads, push-pack wire.

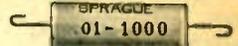
Stock No.	Cap'y Mfd.	Dimensions L Diam.	List Price	Your Cost
XD2916	1	2 1/2" 1 1/2"	\$0.55	\$0.33
XD2917	2	2 1/2" 1 1/2"	.65	.49
XD2918	4	2 1/2" 1 1/2"	.75	.56
XD2919	6	2 1/2" 1 1/2"	.90	.53
XD2920	8	2 1/2" 1 1/2"	.95	.56
XD2921	4-4	2 1/2" 1 1/2"	1.20	.71
XD2922	8-8	2 1/2" 1 1/2"	1.60	.88



SPRAGUE  
"600" LINE

## Oil-Filled By-Pass Condenser For Short Wave Receivers

Special by-pass units housed in tubular metal cases. Are oil filled and oil impreg-



## "EC" Condensers and Emergency Kits

These compact high voltage (600-volt peak) dry electrolytics have a guaranteed power factor of less than 10%.

Stock No.	Cap'y Mfd.	Size L W D	Your Cost
XD2670	1	2 1/2 x 1 x 1 1/2"	\$0.50
XD2671	2	2 1/2 x 1 x 1 1/2"	.56
XD2672	4	2 1/2 x 1 x 1 1/2"	.68
XD2673	6	2 1/2 x 1 x 1 1/2"	.76
XD2674	8	2 1/2 x 1 1/2 x 1 1/2"	.79

Emergency Kit No. 1 contains two each of the above; Kit 2, one each.

**XD2675—**  
**Kit No. 1 \$6.58**  
**Your Cost**  
**XD2749—**  
**Kit No. 2 \$3.29**  
**Your Cost**

## Cardboard Type Dry Electrolytics



Mounted in waxed cardboard containers with mounting lugs and have color coded leads for easy identification. Maximum peak surge voltage 600 volts.

Stock No.	Cap'y Mfds.	Size L W T	Your Cost
XD2646	2	2 1/2 x 1 x 1 1/2"	\$0.56
XD2647	4	4 1/2 x 1 1/2 x 1 1/2"	.68
XD2648	6	4 1/2 x 1 1/2 x 1 1/2"	.76
XD2649	8	4 1/2 x 1 1/2 x 1 1/2"	.77
XD2650	2-4	4 1/2 x 1 1/2 x 1 1/2"	.97
XD2651	4-4	4 1/2 x 1 1/2 x 1 1/2"	1.06
XD2652	4-6	4 1/2 x 1 1/2 x 1 1/2"	1.15
XD2653	4-8	4 1/2 x 1 1/2 x 1 1/2"	1.18
XD2654	6-6	4 1/2 x 1 1/2 x 1 1/2"	1.27
XD2655	6-8	4 1/2 x 1 1/2 x 1 1/2"	1.29
XD2656	8-8	4 1/2 x 1 1/2 x 1 1/2"	1.29

## Tubular Condensers

These cardboard tube condensers are very compact in size and are rated at 600 volts maximum peak surge voltage. Long tinned leads permit easy mounting and connecting. Can be used for both by-pass and filter circuits on A. C. or D. C.



Stock No.	Cap'y Mfds.	Size L D	Your Cost
XD2627	.0001	3/4 x 3/4"	15¢
XD2628	.00025	3/4 x 3/4"	15¢
XD2629	.0004	3/4 x 3/4"	15¢
XD2630	.0005	3/4 x 3/4"	15¢
XD2631	.001	1 x 3/4"	15¢
XD2632	.002	1 x 3/4"	15¢
XD2633	.003	1 x 3/4"	15¢
XD2634	.004	1 x 3/4"	15¢
XD2635	.005	1 x 3/4"	15¢
XD2636	.006	1 x 3/4"	15¢
XD2637	.01	1 1/2 x 3/4"	18¢
XD2638	.02	1 1/2 x 3/4"	18¢
XD2639	.05	1 1/2 x 3/4"	21¢
XD2640	.06	1 1/2 x 3/4"	21¢
XD2641	.1	1 1/2 x 3/4"	21¢
XD2642	.25	1 1/2 x 3/4"	\$0.27
XD2643	.5	1 1/2 x 3/4"	\$0.36

## Midget Condensers



Extremely compact in size. Tested to withstand 1000 volts.

Stock No.	Cap'y Mfds.	Your Cost
XD2657	.0001	15¢
XD2658	.00025	15¢
XD2659	.0004	15¢
XD2660	.0005	15¢
XD2661	.001	15¢
XD2662	.004	18¢
XD2663	.005	18¢
XD2664	.006	18¢
XD2665	.01	21¢
XD2666	.02	21¢
XD2667	.05	21¢
XD2668	.06	21¢
XD2669	.1	21¢

## By-Pass Condensers



Stock No.	Cap'y Mfds.	Size L W T	Your Cost
XD2619	0.1	1 1/2 x 1 1/2 x 1 1/2"	\$0.30
XD2620	0.25	1 1/2 x 1 1/2 x 1 1/2"	.36
XD2621	.05	1 1/2 x 1 1/2 x 1 1/2"	.45
XD2622	1.0	2 x 1 1/2 x 1 1/2"	.59
XD2623	1-1	1 1/2 x 1 1/2 x 1 1/2"	.39
XD2624	.25-.25	2 x 1 1/2 x 1 1/2"	.48
XD2625	-.5-.5	2 x 1 1/2 x 1 1/2"	.59
XD2626	1-1-1	2 x 1 1/2 x 1 1/2"	.50

## Low Voltage Tubular Dry Electrolytics

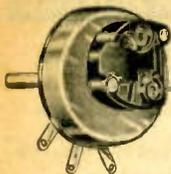
Specially designed condensers for use in A. C. - D. C. sets. Compact in size. Free straps supplied (as per illustration) to couple and mount any combination of condensers. With a small assortment you are equipped to service any set employing low voltage filter units. 2 1/2" long.



Stock No.	Cap'y Mfds.	Diam.	Volts	Your Cost
XD3224	2	1 1/2"	200	\$0.36
XD3225	4	1 1/2"	200	.42
XD3226	8	1 1/2"	200	.54
XD3227	8-8	1 1/2"	200	.76
XD3228	4-4	1 1/2"	200	.56
XD3229	4-8	1 1/2"	200	.62
XD3230	10-10	1 1/2"	50	.31
XD3231	10	1 1/2"	50	.48
XD3232	25	1 1/2"	25	.50
XD3233	25	1 1/2"	50	.65

Replacement Part Headquarters for Dealers and Service Men

# These VOLUME CONTROLS CAN BE USED AS



## Trutest

### TRU-TAPER POTENTIOMETERS

With Switch  
Your Cost

**40¢**

Without Switch  
Your Cost

**28¢**

An entirely new line of fine quality volume controls at prices that are truly phenomenal. Extra hard carbon composition elements used in conjunction with a new multi-point wiping contact arm assure long and satisfactory service. Each and every unit, as the name "Tru-Taper" implies, is correctly tapered for the circuit for which it was designed. Shafts extend 1 1/2" from control. Provided with 3/8" bushings. Frames are of bakelite with metal dust covers. One of the eleven types shown in the listing will take care of any volume or tone control requirement.

Stock No.	With Switch	Without Switch	Resist. in Ohms	Circuit
XH9070	XH9081		1000	Antenna Shunt
XH9071	XH9082		2000	Antenna Shunt, "C" Bias
XH9072	XH9083		5000	Antenna Shunt
XH9073	XH9084		10000	Antenna Shunt, "C" Bias and Ant.
XH9074	XH9085		25000	Antenna Shunt, "C" Bias and Ant.
XH9075	XH9086		50000	Screen Voltage or Tone Control
XH9076	XH9087		75000	"C" Bias Control
XH9077	XH9088		100000	Screen Voltage or Tone Control
XH9078	XH9089		250000	Audio Shunt or Tone Control
XH9079	XH9090		500000	Audio Shunt or Tone Control
XH9080	XH9091		1 Megohm	Audio Shunt or Tone Control

## Trutest Exact Duplicate Controls

For VICTOR Models

- R-32
- RE-45
- R-52
- RE-75



Fits chassis exactly. A noiseless control. Dual unit 3800, 3800 ohms.

XH9094—  
Your Cost Each

**85¢**

For RCA-Victor models 42, 48, R-14, R-15, R-17. Dual volume control: front section, 10,000 ohms; rear, 25,000 ohms.

XH9093—  
Your Cost Each

**\$1.15**

PHILCO 20, 20A and 220

Exact duplicate. Similar in appearance to above. 285-5000 ohms. Bakelite case.

XH9092—  
Your Cost Each

**79¢**

For ZENITH Models  
70 Series—Late Type



Used in models 50, 60, 70, 71, 72, 73, 77, 712, 722, 723 and 772. Later types, dual control. Complete with switch. Resistance of

sections 11,500 ohms and 110,000 ohms.

XH9095—  
Your Cost Each

**\$1.29**

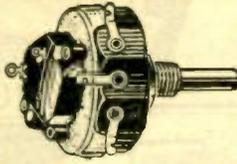
For ZENITH 50 Series

Single control with switch. Used in models 52, 53, 522, 532, 54, 55, 57, 62, 60, 61, 64 and 67. Fits the chassis exactly; no changes necessary to install.

XH9096—  
Your Cost Each

**79¢**

## CLAROSTAT AD-A-SWITCH WIRE WOUND VOLUME CONTROLS



Standard controls to which switch cover may be easily added. Diameter 1 1/2", mounts in 3/8" hole. Shaft insulated, and extends 1 1/2". Letters following resistance value indicate taper as follows: L—Untuned Ant.; N—Ant. or R. F. Coil; U—Combined Ant. and "C" Bias; V—"C" Bias; W—Screen Grid. Units with no letters following resistance are standard controls, uniform taper.

Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
XF7099	50	\$0.40	XF7087	3000	\$0.46	XF7075	10000V	\$0.51
XF7098	100	.40	XF7086	3000U	.46	XF7074	10000W	.51
XF7097	200	.40	XF7085	3000V	.46	XF7073	15000	.51
XF7096	300	.40	XF7084	5000	.46	XF7072	15000U	.51
XF7095	400	.40	XF7083	5000U	.46	XF7071	15000W	.51
XF7094	500	.40	XF7082	5000V	.46	XF7070	20000	.56
XF7093	750	.46	XF7081	7500	.46	XF7069	20000V	.56
XF7092	1000	.46	XF7080	7500U	.46	XF7068	25000	.62
XF7091	1000L	.46	XF7079	7500V	.46	XF7067	30000	.62
XF7090	2000	.46	XF7078	10000	.51	XF7066	40000	.62
XF7089	2000L	.46	XF7077	10000N	.51	XF7065	50000	.62
XF7088	2000V	.46	XF7076	10000U	.51			

Switch Type Coverplate..... **\$0.24**

## YAXLEY Jr. Rheostats and Potentiometers



Variable wire wound resistors which dissipate 4 watts. Midget in size, 1 1/2" in diameter. Mount in a 1/2" panel hole. Complete with knob.

Stock No.	Ohms	Amperes	Your Cost
XF6480	1	2.0	<b>44¢</b>
XF6481	2	1.4	
XF6482	3	1.2	
XF6483	6	.8	
XF6484	10	.6	
XF6485	15	.5	
XF6486	20	.45	
XF6487	25	.4	

Stock No.	Ohms	Amperes	Your Cost
XF6503	20	.45	<b>58¢</b>
XF6489	25	.4	
XF6490	30	.36	
XF6491	40	.8	
XF6492	50	.28	
XF6493	60	.25	
XF6494	75	.23	
XF6495	100	.2	
XF6496	200	.14	
XF6497	400	.1	
XF6498	1000	.05	<b>73¢</b>
XF6499	2000	.045	
XF6500	3000	.035	
XF6501	5000	.028	
XF6502	10000	.016	<b>88¢</b>

## YAXLEY Ext. Shafts



For use on volume controls and switches where longer shafts are required. All are 4" long.

XF6561	1/2" diam., 1/4" flat.	<b>15¢</b>
XF6562	3/4" diam., 1/4" flat.	
XF6563	1" diam., 1/4" flat.	
Your Cost Each, Any Size		<b>15¢</b>

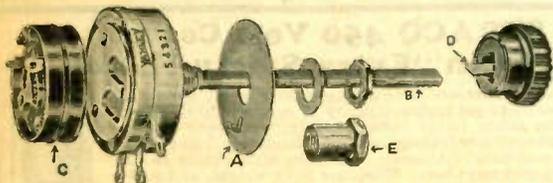
## YAXLEY Volume Control Switches

Single Pole, Single Throw  
Fits all Yaxley controls.  
XF6564—  
Your Cost Each..... **21¢**

Single Pole, Double Throw  
Makes another circuit when switch is in "off" position. Fits all controls.

XM12853—List 50c  
Your Cost Each..... **29¢**

# YAXLEY UNIVERSAL REPLACEMENT CONTROLS



- Features (A) Minimum bias adjustment on all C Bias controls.
- (B) 4-inch shaft of special nickel alloy. To shorten, just notch with cutters and break off.
- (C) Power Switch, approved by Underwriters, easily attached to any control.
- (D) Knob adapter. Allows use with set screw, spring or Philco type knobs.
- (E) Extension bushing. Extends through 3/8" panel.

Stock No.	Yaxley No.	Res. Ohms.	Stock No.	Yaxley No.	Res. Ohms.
XF6660	Q	2	XF6681	O	1 Meg.
XF6661	R	6	XF6682	P	2 Meg.
XF6662	S	10	<b>DUAL CONTROLS</b>		
XF6663	T	20	XF6683	XE	200-5000
XF6664	U	30	XF6684	CE	2000-5000
XF6665	V	60	XF6685	GG	10000-10000
XF6666	W	100	XF6686	GK	10000-50000
XF6667	X	200	XF6687	LM	100000-250000
XF6668	A	500	XF6688	NE	500000-5000
XF6669	B	1000	XF6689	NN	500000-500000
XF6670	C	2000	<b>Single Controls</b>		
XF6671	D	3000	Your Cost Each, Any Size..... <b>59¢</b>		
XF6672	E	5000	<b>Dual Controls</b>		
XF6673	F	7500	Your Cost Each, Any Size..... <b>\$1.47</b>		
XF6674	G	10000	Resistances of 15,000 and below are wire wound. Resistances above 15,000 are carbon elements.		
XF6675	H	15000			
XF6676	J	25000			
XF6677	K	50000			
XF6678	L	100000			
XF6679	M	250000			
XF6680	N	500000			

# CONDENSER BLOCKS

Name of Radio and Model	Stock No.	Your Cost
<b>APEX</b>		
Model 36	XB1409	\$3.10
Model 37	XB1408	3.10
Model 41	XB1407	1.85
Models 46 and 46-A	XB1406	1.70
Models 47 and 47-A	XB1405	1.70

Name of Radio and Model	Stock No.	Your Cost
<b>ATWATER KENT</b>		
36 Condenser Block (Serial below 260,000)	XB1380	.49
36 Condenser Block (Serial above 260,000)	XB1382	.49
37-38 Condenser and Choke Assembly	XB1378	1.69
45 Condenser Assembly	XB1370	1.48
46, 47 and 53 Condenser Assembly	XB1369	2.70
55, 55C, 60, 60C: 7 Taps	XB1368	2.40
55F, 55FC, 3rd Type 60C, L-1 Chassis 5 Taps, 1A5	XB1367	1.48
72 Series	XB1365	1.48
89	XB1364	2.80

Name of Radio and Model	Stock No.	Your Cost
<b>BOSCH</b>		
Model 28	XB1349	1.95
Model 29-825	XB1348	3.45
Model 48	XB1347	2.65
Models 5 and 5-A	XB1345	2.15
Models 20J, 20K and 20L	XB1343	2.95
Model 133	XB1342	2.65
Models 73 and 74	XB1341	2.65

Name of Radio and Model	Stock No.	Your Cost
<b>BRANDES</b>		
Models B-15 and B-16	XB1334	1.95

Name of Radio and Model	Stock No.	Your Cost
<b>BRUNSWICK</b>		
Models PR-17-8	XB1020	1.20
Models 2KR0, 3KR0, 2KR6, 5KR0, 5KR6	XB1019	.35
Model 5N0 Power Unit	XB1015	1.75
Models 15 and 22	XB1309	2.45
Models 14, 21, 31 Red Spot	XB1311	.48
Models S14, S21, S31 Green Spot	XB1312	.48
Models S14, S21, S31 Blue Spot	XB1314	.48
Models S14, S21, S31 Black Spot	XB1313	.48

Name of Radio and Model	Stock No.	Your Cost
<b>COLUMBIA RADIO</b>		
Model Screen Grid 8	XB1290	2.50

Name of Radio and Model	Stock No.	Your Cost
<b>COLUMBIA-KOLSTER</b>		
Models C-1, C-3	XB1280	.95
Models C-5	XB1278	2.75
Model 950	XB1271	3.35
Model 980, Part 4350 for Tuner B supply	XB1272	3.75

Name of Radio and Model	Stock No.	Your Cost
<b>EARL, C. A.</b>		
Models 21 and 22	XB1245	2.25
Models 31, 31S, 32, 32S, 33, 33S and 41	XB1244	2.10

Name of Radio and Model	Stock No.	Your Cost
<b>EDISON</b>		
Models R-1, R-2, C-2	XB1220	3.30
Models R-4, R-5, C-4	XB1219	2.65
Models R-6, R-7	XB1218	2.65

Name of Radio and Model	Stock No.	Your Cost
<b>EVEREADY</b>		
Models 30, 40 and 50 Series	XB1210	2.75
Models 1, 2 and 3	XB1349	1.95

Name of Radio and Model	Stock No.	Your Cost
<b>FADA</b>		
Models 25, No. 1780X	XB1205	2.98
Models 95, 35Z, No. 1790X	XB1203	2.98
Model 25 and 35 (Late) No. 1801X	XB1201	2.98
Models 42, 44, 46, 47, No. 1830X	XB1199	2.98

## COLONIAL Model 32 By-Pass Condensers

No. 1748-SA

The genuine Colonial part for the above model sets (32 A. C., 32 D. C.). R. F. by-pass unit. Contains 2-1 mfd. and 1-5 mfd. units. XB688—Your Cost **35¢**



Part No. 1728-SA. Detector by-pass for the above sets. Contains: 1-1-1-25-1 mfd. XB691—Your Cost Each **68¢**

## NOTE

We maintain a rapid repair service on all blocks. If the unit you want is not shown in the listing, send in the old block and we will quote on its repair, at the lowest prices. All units are fully guaranteed to be equal to the original.

Name of Radio and Model	Stock No.	Your Cost
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<b>FADA—Cont.</b>		
Models 50, 70, 71, 72, 75, 77, No. 1492MS	XB1197	\$2.98
Model KA	XB1196	2.98
Model 43	XB1206	2.98

<b>FREED</b>		
Models 55 and 56	XB1245	2.25
Models 65, 78, 79, 90 and 95	XB1244	2.10

<b>FRESHMAN</b>		
Model "Q"	XB1155	1.40
Model N (all models)	XB1153	3.40

<b>GENERAL MOTORS</b>		
Models 120, 130, 140, 150 and 160. "A" Chassis	XB693	2.95

<b>GRAYBAR</b>		
Model 311	XB1019	.35
Models 500, 550	XB1016	1.75
Model 300	XB1015	1.75
Model 340. Condenser Block	XB1014	1.70
Model 600	XB1010	2.25
Model 678	XB1021	2.40
Models 700, 770, 900	XB1005	1.95

<b>HAMMARLUND</b>		
Model HIQ 30	XB1105	3.95
Model HIQ 31	XB1104	3.95

<b>KOLSTER-COLUMBIA</b>		
Model 6-H	XB1090	2.75
Models 6-J, 6-K, 6-R	XB1089	2.50
Models K-20, 22, 25 and 27	XB1280	.95
Models K-21 and K-23	XB1088	2.75
Model K-24	XB1278	2.75
Model K-43	XB1334	1.98
Model K-44	XB1087	1.90
Model K-45	XB1086	2.95

<b>MAJESTIC</b>		
Model 70 Series, 7P6 Power Unit, Early Models	XB1071	1.80
Model 70 Series, 7BP6 Power Unit, Late Models	XB1070	1.80
Model 80-180, 8PB6 Power Unit	XB1069	3.50
Model 90 Series, 9PB6 Power Unit	XB1067	1.90
Models 90-B and 100-B	XB1065	1.75
Models 50, 52	XB1063	1.95
Model 20 Condenser and Input Transformer	XB1064	3.65
Models 30 and 31 Condenser and Choke Assembly	XB1073	2.25
60-61-62-160-163	XB1072	1.95

## SPARTON By-Pass Condensers



A new and improved type of condenser housed in a metal shell. Has threaded insert for connecting screw. For use in 1928-31 sets. XB545—25 Mfd. Your Cost Each **28¢**  
XB546—5 Mfd. Your Cost Each **34¢**  
XB547—1.0 Mfd. Your Cost Each **39¢**

## SPARTON 410 BY-PASS

Genuine Part No. A-6466. Contains four 3 mfd. sections. XB548—Your Cost Each **19¢**

## CROSLY Exact Duplicate By-Pass Condensers

Stock No.	Crosley Part No.	Cap. Mfd.	Your Cost Each
XB705	W4968	.5	\$0.26
XB707	W5863	.5-5	.59
XB710	W7753-B	1-1.5-1	.29
XB712	W20186	3-25-25	.29
XB718	W22412	1-1-1-1	.65
XB720	W23736	5-25-25	.75

Name of Radio and Model	Stock No.	Your Cost
<b>MAJESTIC ELIMINATOR BLOCKS</b>		
"B" Super Condenser	XB848	\$1.85
"B" Master Condenser	XB848	1.85
"B" Special Master Condenser	XB846	1.85

<b>PEERLESS</b>		
Model 65	XB1045	1.45
Model 70	XB1044	2.65

<b>PHILCO</b>		
Model 20	XB1030	2.75
Model 65	XB1029	1.75
Model 82	XB1028	1.90
Model 87	XB1026	1.90
Model 511	XB1025	1.75
Models 95, 96, 296, 111, 211, 112, 212	XB1031	4.50

<b>RCA-RADIOLA</b>		
Models 17 and 50	XB1020	1.20
Models 18, 33 and 51	XB1019	.35
Model 30-A Filter	XB1018	2.75
Models 42, 48	XB1021	2.40
Models 44, 46 and 47	XB1016	1.75
Models 33, 44, D. C.	XB1002	.75
Model 60	XB1015	1.75
Model 62 Filter	XB1014	1.70
Model 64 Filter Block	XB1011	4.75
Model 66 Filter Block	XB1010	2.25
Model 67 Filter Block	XB1007	5.35
Models 80, 82 and 86	XB1005	1.95
R7A, RE16A	XB1001	.89
R8, 10, 12, RE19	XB1023	3.65
R50, R55, RAE59, RAE79	XB531	2.75

<b>SPARTON</b>		
Models AC-7, 62 and 63	XB979	3.30
Model 89-A	XB976	3.85
Models 69, 79 and 89	XB975	2.75
Model 301-A	XB974	3.95
Model 930	XB973	1.75

<b>STEINITE</b>		
Models 40-A and 45-A	XB940	2.95
Models 40-C, 60-C and 102-C	XB941	2.95
Models 50-A and 102-A	XB939	2.95
Models 70, 80 and 95	XB938	2.95
Models 261 and 262	XB937	2.95

<b>STEWART-WARNER</b>		
Models using Majestic Power Unit	XB930	2.65
Model 900 A. C. Series No. 61303	XB929	.85
Model 900-950 A. C. Series, Condenser and Choke Assembly	XB928	3.40
100 A-B-E	XB931	1.35

<b>STROMBERG-CARLSON</b>		
Models 10 and 11	XB920	3.65
Models 12 and 14	XB919	3.75
Models 635 and 636	XB918	3.75
Model 638	XB917	3.40
Models 641, 642, 652 and 654	XB916	3.50
Models 846 and 848	XB915	3.65

<b>VICTOR</b>		
Models 9-18 and 9-54	XB1011	4.75
Model R-15	XB1021	2.40
Models R-32, RE-45, R-52, RE-75	XB890	.55
Models R-32, RE-45, R-52, RE-75: 4 Taps	XB893	1.15
Models 35, 39 and 57	XB892	2.75
Model 7-25	XB1020	1.20
Models 7-11, 7-26	XB1019	.35

## ATWATER KENT Condensers

Speaker By-Pass Models 37, 38, 40, 42, 44 and 46



Guaranteed to be equal to or superior to the original condensers. Capacity .5 mfd. No changes necessary to install. Shpg. wt. 4 oz. XD3961—Your Cost Each **55¢**

R. F. By-Pass Condenser Same models as above. Contains three .25 mfd. condensers.

XD3960—Your Cost Each **55¢**

# Trutest DRY ELECTROLYTIC

Trutest Dry Electrolytics are manufactured to the highest quality standards, and easily conform with RMA ratings. Do not be misled by inferior merchandise which is so often offered as being "up to standard." All Trutest Dry Electrolytics are GUARANTEED to

have a power factor from 4 to 8%; leakage better than .1 mils. per microfarad; full rated capacity within tolerance of -10% and +20%. For best results and for definite assurance of Maximum filter action, use Trutest Dry Electrolytic Condensers.

## Dry Electrolytic Cartridge Condensers



In waxed cardboard containers with metal ends and 1 1/4" wire leads. Hermetically sealed. Especially suited for use in "cigar-box" A. C. - D. C. sets.

Stock No.	Cap'y Mfd.	Wkg. Volts	Your Cost Each
XD3380	5	25	\$0.23
XD3381	10	25	.23
XD3382	25	25	.22
XD3383	50	25	.42
XD3296	Dual 5	35	.39
XD3384	5	50	.22
XD3295	10	50	.28
XD3297	25	50	.36
XD3387	5	100	.26
XD3388	10	100	.33
XD3392	2	150	.24
XD3393	4	150	.29
XD3394	8	150	.36
XD3395	Dual 4	150	.40
XD3389	1	200	.24
XD3390	2	200	.24
XD3391	4	200	.30
XD3291	1	450	.25
XD3292	2	450	.28
XD3293	4	450	.35
XD3256	8	450	.39

## Special Compact Filters



For A. C. - D. C. Sets 225 V. Peak

These units occupy less space than similar capacity low voltage sections and give ample voltage protection. Working voltage 200 volts D. C. Cased in cardboard containers 2 1/4" long. Have stiff leads for connections.

Stock No.	Cap'y Mfd.	Size Inches	Your Cost Each
XD3210	4	2 1/4 x 3/4	\$0.33
XD3211	6	2 1/4 x 3/4	.38
XD3212	8	2 1/4 x 1	.39
XD3213	10	2 1/4 x 1	.45
XD3214	12	1 x 1	.50
XD3215	16	1 1/2 x 1	.55
XD3216	20	1 1/2 x 1	.65
XD3217	25	1 1/2 x 1	.68

## "Wet" Electrolytics



A new line of condensers using a wet electrolyte that possesses many advantages such as; self-healing, ability to withstand voltage overloads without harm, self-regulating characteristics, etc. Full and well maintained capacity, excellent power factor and long life are guaranteed. All in tubular metal containers—can is negative. Dimensions, under 500 volts, 3 1/2 x 1 1/2"; 500 volts 4 3/8 x 1 3/4"; 600 volts 4 3/8 x 1 3/4".

Stock No.	Cap'y Mfd.	Peak Volts	Your Cost
XB488	4	200	\$0.32
XB489	8	200	.36
XB490	8	350	.43
XB491	4	450	.36
XB492	8	500	.45
XB493	10	500	.50
XB494	12	500	.54
XB495	8	600	.70

## Special "600" Volt Peak Dry Electrolytics



Similar in construction and workmanship to the standard line of Trutest electrolytics but the peak voltage has been raised to 600 volts D.C. and the working voltage to 475 volts D.C. Especially recommended for use in sets or amplifiers where surges of more than 500 volts occur. Sealed in compact cardboard boxes 1 1/2" wide by 2 1/4" long.

Stock No.	Cap'y Mfd.	Inches Thick	Your Cost
XD3205	1	1/8	\$0.35
XD3206	2	2/8	.40
XD3207	4	1 1/8	.45
XD3208	6	1 1/8	.50
XD3209	8	1 1/8	.55



## Multiple Sections Can Type Dry Electrolytics

Each section is a separate electrolytic, of the genuine self-healing type.

They feature excellent power factor characteristics, low leakage and full rated capacity. All 500 volt peak.

Stock No.	Cap'y at Anodes	Mfd.	No. Diam.	Your Cost
XD3316	8-8	2 1/2"	3"	\$0.82
XD3317	5-16	2 1/2"	3"	1.05
XD3325	8-18	3"	3"	1.35
XD3327	18-18	3"	3"	1.60
XD3331	4-4-4	2 1/2"	3"	1.00
XD3318	8-8-8	3"	3"	1.15
XD3320	9-9-18	3"	3"	1.70
XD3319	8-8-8-8	3 1/4"	3"	1.55
XD3321	8-8-18-18	3 1/4"	3"	2.40

## Dry Electrolytic Condensers for Compact A. C. - D. C. Sets Filter and By-Pass Units Flange Type Mounting



Stock No.	Capacity Mfd.	Working Volts	Dimensions	Your Cost
D3161	10-10*	25	1 1/2 x 1 1/2 x 2 1/2	\$0.36
D3153	5-5*	25	2 1/2 x 3/8 x 3/8	.36
D3154	10-10*	25	2 1/2 x 3/8 x 3/8	.36
D3163	8-8-4*	200	1 1/2 x 1 1/2 x 4 1/2	.74
D3164	8-8-8*	200	1 1/2 x 1 1/2 x 4 1/2	.79
D3165	8-8-15*	200	1 1/2 x 1 1/2 x 4 1/2	.85
D3166	12-4*	150	1 1/2 x 1 1/2 x 2 1/2	.58
D3167	12-8*	200	1 1/2 x 1 1/2 x 4 1/2	.56
D3169	4-4*	150	1 1/2 x 1 1/2 x 2 1/2	.39
D3148	8-5*	150	2 1/2 x 1 x 1	.38
D3149	8-8	150	1 x 1 1/2 x 3	.58
D3150	8-8*	150	1 x 1 1/2 x 3	.58
D3152	25-5-5 SP	150	2 3/8 x 1 1/2 x 1 1/2	.92
D3170	4-4*	200	1 1/2 x 1 1/2 x 2 1/2	.44
D3172	12-4*	200	1 1/2 x 1 1/2 x 2 1/2	.58
D3155	16-8†	200	1 1/2 x 1 1/2 x 4 1/2	.58
D3156	16-16†	200	1 1/2 x 1 1/2 x 4 1/2	.78
D3157	4-16-8 SP	150	1 1/2 x 1 1/2 x 4 1/2	.78
D3159	4-4†	200	1 1/2 x 1 1/2 x 2 1/2	.39

\* Com. Term. Neg. SP. Com. Term. Spec. † Com. Term. Pos.

## Inverted Type

Stock No.	Cap'y Mfd.	Your Cost Each
XD3323	4	\$0.38
XD3324	8	.42
XD3326	4-4	.70
XD3335	4-8	.79
XD3398	8-8	.82

## Compact Dry Electrolytic



## Filter Units 525 V. Peak

Extremely compact filter condenser conservatively rated at 525 volt peak and 450 volt working voltage. All are in cardboard cases 1 1/2" wide, but vary in length and thickness.

Stock No.	Cap'y Mfd.	Size T. L.	Your Cost
XD3223	1	1/2" x 2 1/2"	\$0.25
XD3219	2	1/2" x 2 1/2"	.30
XD3220	4	1/2" x 2 1/2"	.35
XD3221	6	1/2" x 2 1/2"	.47
XD3222	8	1" x 2 1/2"	.48

## Multiple Sections Cardboard Container



These multiple section condensers are used for sub-base and sub-panel mounting. The sections are insulated from each other and separate terminals are brought out from each section. Capacity is practically constant over a wide frequency range. Overall height 4 3/4". Conservatively rated at 500 volts D.C. peak. Idea for A.C. - D.C. sets.

Stock No.	Capacity Mfd.	Working Voltage	Your Cost Each
XD3361	4-4	200	\$0.48
XD3362	5-5	35	.44

Plain cardboard, multiple sections. 500 volts D.C. peak.

Stock No.	Capacity Mfd.	Size Inches	Your Cost Each
XD3337	4-4	1 1/2 x 1 1/2 x 4 1/2	\$0.50
XD3339	4-8	1 1/2 x 1 1/2 x 4 1/2	.60
XD3341	6-9	1 1/2 x 1 1/2 x 4 1/2	.68
XD3342	8-8	1 1/2 x 1 1/2 x 4 1/2	.68
XD3366	8-8	1 1/2 x 2 x 4 1/2	1.05
XD3307*	8-8	2 1/2 x 1 1/2	1.19

\* Rectangular aluminum can.

## Low priced SINGLE SECTIONS

### Single 8 Mfd. Can



This Trutest 8 mfd., 500 volt, peak condenser is used in new installations and replacements. In round aluminum can, of standard size, fits hole for 3/4" studs. Can is insulated from the condenser sections and is grounded. Guaranteed. Shpg. wt. 1 lb.

Your Cost Each..... **42¢**

### Single 8 Mfd. Cardboard

The most popular size in this very popular line of condensers at an exceptionally LOW PRICE. This 8 mfd. condenser has a heavily waxed cardboard container and a peak voltage rate of 500 volts. Size 4 1/4 x 1 1/2 x 1 1/2". Shpg. wt. 1 lb.

Your Cost..... **40¢**

## 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. Trouble free at unusually high temperatures. Used for filter sections, cathode, and "C" bias by-pass condensers.

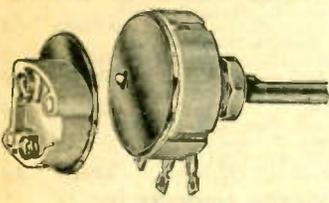
Stock No.	Cap'y Mfd.	Size Inches	Peak Volt.	Your Cost
XD3351	2	2 3/8 x 1 3/4 x 1 1/2	500	\$0.29
XD3346	4	1 3/8 x 1 1/2 x 4 1/2	500	.34
XD3347	6	1 3/8 x 1 1/2 x 4 1/2	500	.38
XD3348	8	1 3/8 x 1 1/2 x 4 1/2	500	.40
XD3349	10	1 3/8 x 1 1/2 x 4 1/2	500	.53
XD3350	12	1 3/8 x 1 1/2 x 4 1/2	500	.62

Stock No.	Cap'y Mfd.	Work. Volts	Size Inches	Your Cost Each
XD3353	10	50	1 1/2 x 1 1/2 x 2 3/8	\$0.38
XD3354	25	25	1 1/2 x 1 1/2 x 2 3/8	.32

# REPLACEMENTS in 98% OF ALL STANDARD RADIOS

## Centralab

### Improved Radiohms



Centralab Radiohms carry ample current for any ordinary volume control circuit if the proper taper is selected, regardless of whether the original control was wire wound or carbon. Radiohms employ the patented non-rubbing contact that always turns smooth without wear. Case diameter of all units 1 3/4"; extend 3/4" behind panel. Shaft 2 3/4" long, milled flat. Listing is coded to indicate taper as follows: **U—Voltage Divider (Uniform); S—Antenna Shunt; A—Antenna Shunt and C Bias; A1—Antenna Shunt and C Bias, 1 Tube; A2—Antenna Shunt and C Bias, 2 Tubes; C—C Bias; T—Tone Control; GT—Audio Grid or Tone Control; P—Series in R. F. Plate.**

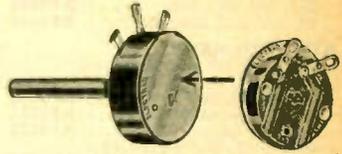
Stock No.	CRL No.	Res. Ohms	Stock No.	CRL No.	Res. Ohms
XH8876	72-118	500U	XH9032	70-206	25000C
XH8865	72-107	1000U	XH8860	72-102	25000S
XH8859	72-101	2000U	XH8861	72-103	50000U
XH8866	72-108	3000U	XH8875	72-117	50000T
XH8867	72-109	4000U	XH9033	72-123	75000T
XH8868	72-110	5000U	XH8840	70-202	75000C
XH8842	70-204	5000S	XH8862	72-104	100000U
XH8872	72-114	10000A	XH8880	72-122	100000GT
XH8871	72-113	10000A1	XH8878	72-120	200000GT
XH8843	70-205	10000A2	XH8894	72-131	200000C
XH8858	72-100	10000S	XH8879	72-121	250000GT
XH8873	72-115	15000A	XH8864	72-106	500000U
XH8931	72-113	25000C	XH8841	70-203	500000P
XH8877	72-119	20000A	XH8874	72-116	1 Meg. GT
XH8869	72-111	25000U	XH8896	72-132	3 Meg. GT
XH9031	72-133	25000C			

Any Type, Your Cost Each **59¢**

Switch Cover Plate. Your Cost **24¢**

*New!*

## ELECTRAD UNIVERSAL Volume Controls



Employ newly perfected graphite element which is baked at high temperature to the flat outer surface of a molded bakelite ring. Element cannot flex or warp, and is highly resistant to humidity. All controls housed in moulded bakelite cases, with metal end covers and aluminum shafts. Extend only 1/4" inside panel. Approved type switch may be easily added in a few moments to any control. Letters following resistance indicate taper, as follows: **U—Uniform; A—Antenna Shunt or C Bias; C—C Bias; P—Audio Plate Control; GT—Audio Grid or Tone Control.** Resistances from 10 to 5000 ohms employ wire wound elements.

Stock No.	Mfrs. No.	Res. Ohms	Stock No.	Mfrs. No.	Res. Ohms
XG7905	204*	10U	XG8083	560	7500A
XG8072	269	20U	XG7924	283	10000U
XG8128	270	30U	XG7922	240	10000A
XG8129	271	50U	XG8091	573	12000C
XG8068	272	100U	XG7902	201	15000A
XG7915	273	200U	XG7921	279	25000U
XG7916	274	400U	XG7922	280	25000P
XG7923	282	600U	XG7913	241	30000U
XG7917	275	800U	XG7906	205	50000U
XG7918	276	1000U	XG7903	202	75000C
XG7909	232	2000U	XG7914	242	100000GT
XG7910	233	3000U	XG8125	281	200000U
XG7919	277	4000U	XG7908	208	250000GT
XG7911	234	5000U	XG7904	203	500000GT
XG7920	278	5000A	XG7907	206	1 Meg. GT

\* Indicates Rheostat Type Control.

Your Cost, Any Type **59¢** Switch only. Fits all Types. Your Cost **21¢**

### CENTRALAB Power Rheostats

Ideal for use as motor speed controls, charging rate regulators, etc. All metal frame and core insulated with treated asbestos. All 2" in diameter.



25-Watt Units						
Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost	
XH8977	2		XH8981	150		
XH8978	6	<b>98¢</b>	XH8982	400		
XH8979	15		XH8983	1000		<b>98¢</b>
XH8980	50		XH8984	5000		

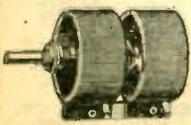
  

50-Watt Units						
Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost	
XH8987	25		XH8990	500		<b>\$1.22</b>
XH8988	60	<b>\$1.22</b>	XH8991	1000		<b>\$1.22</b>
XH8989	150		XH8992	5000		<b>\$1.35</b>

75-Watt Units						
Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost	
XH8995	50		XH8998	500		<b>\$1.47</b>
XH8996	150	<b>\$1.47</b>	XH8999	1000		<b>\$1.47</b>
XH8997	300					

### Giant Type L Pads



Two heavy wire wound sections. Recommended for use with systems where the output does not exceed 10 watts. Diameter 2"; approximate depth 2 1/4". Resistance specified is the equivalent of the line impedance.

Stock No. CRL No.  
 XH8765 47-209—Resistance 50 ohms  
 XH8764 47-208—Resistance 15 ohms  
 List Price \$5.00  
 Your Cost **\$2.45**

### Candohms for AC-DC Sets



Mfr. and Part No.	Resistance Ohms	Stock No.	Your Cost
<b>BELMONT RADIO</b>			
R-258	350	XE5317	\$0.20
R261	15000-25000-150-350	XE5318	.68
R-266	6000-6000	XE5319	.40
R-278	7500-200	XE5039	.29
1055	10000-7000-2000	XE5040	.50
1056	12000-6000-9000	XE5041	.60

<b>GRIGSBY-GRUNOW</b>			
20176B	10-10-10-10-860	XE5320	.49
20452B	320-225-2000-1750	XE5301	.68
20909	10000	XE5315	.49
22574	3000-2150-1220-45	XE5303	.59
22574A	1790-2150-1220-45	XE5304	.59
28755A	246-28	XE5321	.78

<b>EMERSON RADIO</b>			
HR-36	310	XE5326	.78
HR-38	1500	XE5322	.19

<b>HALSON RADIO</b>			
6700	2000-500-300-200	XE5046	.40
6701	5000-500-1000-600	XE5047	.50

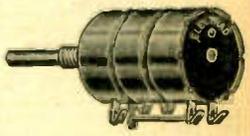
<b>INTERNATIONAL RADIO</b>			
R-302	1500	XE5327	.19
R-303	310	XE5326	.78

<b>RCA VICTOR CO.</b>			
59855	60-130-250	XE5048	.30
67822	315	XE5049	.78

### ELECTRAD T Pad Attenuator

A network of three resistances housed in a large moisture-proof case. Two sections offer constant resistance to the input and output circuits while a tapered section provides smooth attenuation of the volume level.



Stock No.	Resist. Ohms	Stock No.	Resist. Ohms
XG7705	15	XG7707	500
XG7712	50	XG7708	3000
XG7706	200	XG7709	5000

Your Cost, Any Size **\$2.10**

### ELECTRAD L Pad Attenuator

Similar to the above, but two elements which provide constant resistance to the line. For individual control of speakers.

Stock No.	Resist. Ohms	Stock No.	Resist. Ohms
XG7700	15	XG7702	500
XG7713	50	XG7703	3000
XG7701	200	XG7704	5000

Your Cost, Any Size **\$1.50**

### RADIOLA Volume Control Strips

XG7670	—For Models 18, 33 and 51.	2000 ohms
XG7671	—For Models 44, 46 and 47.	3000 ohms
XG7672	—For Models 60 and 62.	450 ohms.
XG7673	—For Model 66.	550 ohms.
XG7674	—For Model 64.	1250 ohms.

Your Cost Each, Any Type **24¢**  
 12 for **\$2.50**

Mail Your Orders to NEW YORK or ATLANTA

# YAXLEY VOLUME CONTROLS

APPROVED RADIO PRODUCTS

Manufacturers	Stock No.	Your Cost
<b>AMERICAN BOSCH CORP.</b>		
251, 359, 355, 360, 10, 242, 243, 260, 261	XF6680	50.59
<b>AMERICAN BOSCH MAGNETO CORP.</b>		
58 and 62	XF6671	.59
54-DC, 48 and 49	XF6685	1.47
251, 350, 355, 360	XF6680	.59
10, 242, 243, 260, 261	XF6680	.59
<b>ATWATER-KENT</b>		
86, 86-F, 1st and 2nd type, 43, 44, 45, 82, 82-F, 85, 85-F, 86, 86-F	XF6668	.59
87 1st type, 87 3rd type	XF6671	.59
84, 84-F Late	XF6671	.59
567, 567-F, 90, 90-F, 80, 80-F, 83, 83-F	XF6672	.59
89-89-F	XF6679	.59
711, 808-A, 228-D, 480, 260, 260-F, 1st and 2nd type, 228, 228-F, 188, 188-F, 2nd, 188, 188-F, 1st, 448	XF6680	.59
89, 89-F, 89-P, 3rd type, 155 (3rd type) above serial 7, 088, 700, 92, 02-F, 96 (1, 2, 3), 165, 217, 427, 667, 217-D, 427-D, 667-D, 246, 266, 2nd type, 310, 510, 555, 708, 808, 425, 465, 812, 627, 612, 99 (1, 2, 3 types), 469-D, 558-D, 260, 260-F	XF6680	.59
37, 38, 40, 42, 43, 44, 45, 52 (Strip only)	XF6656	.29
55, 60, 61, 66 (Strip only)	XF6657	.29
70, 74, 76, 76-P Chassis, D2, 87-D	XF6684	1.47
72-Chassis H-1, H-2, 76-Chassis Q	XF6687	1.47
<b>BRUNSWICK RADIO</b>		
S-14, S-21, S-31, S-81, S-82	XF6671	.59
DC-14, DC-21, DC-31	XF6672	.59
14, 21	XF6676	.59
81-AC	XF6678	.59
"D" AVC, 17-24, 25-AC	XF6680	.59
<b>COLONIAL RADIO CORP.</b>		
44, 50, 46, 47, 48, 73, 76, T-345, C-399, T-397, C-495, 52, 96, 99, 100, 62, 62-E, 96, 91, 92, 75	XF6675	.59
32-AC	XF6686	1.47
<b>CROSLEY RADIO CORP.</b>		
121	XF6668	.59
608, 609, 610, 32, 40, 41, 41-A, 42	XF6670	.59
129-1	XF6670	.59
137, 131	XF6670	.59
122, 123, 124	XF6671	.59
59, 160, 122, 171, 146-1	XF6672	.59
161, 163, 172, 173, 174, 176, 166, 141, 148, 147	XF6672	.59
135	XF6672	.59
155	XF6672	.59
602-AC, 120	XF6674	.59
28, 53, 54, 55, 56, 57, 58, 771, 48	XF6676	.59
53, 26, 55	XF6678	.59
76, 77, 84, 120, 126, 127, 128, 91	XF6679	.59
95 auto 160, 146, 175, 134, 134-1, 171-1, 164, 168, 170, 167, 158, 146-1	XF6682	.59
30-S, 31-S, 33-S, 34-S, 63	XF6691	.88
76	XF6692	.73
704, 704-A, 704-B, 705, 706	XF6693	.73
130, 136-1, 132-1, 130-1	XF6689	1.47
<b>EARL RADIO CORP.</b>		
31-DC, 33-DC, Earl 21-DC, 21, 22-AC, 24-DC	XF6679	.59
Later "G" K, K-69-S, L, LS	XF6680	.59
<b>EDISON, THOMAS A.</b>		
R-1, R-2, C-2, Chassis Junior JC	XF6684	1.47
R-4, R-5, C-4, R-4-DC, R-5-DC	XF6685	1.47
<b>FREED-EISEMAN RADIO CORP.</b>		
NR-85-AC, NR-80-DC type, NR-80-AC	XF6674	.59
NR-95-AC, NR-78, 79-AC	XF6677	.59
<b>FADA</b>		
51 (Ko), 53, 57 (LOC), 45 (KU)	XF6673	.59
48, 49 (KW), 81, 82, 84, 86 (KB) 42, 44, 46, 41 and 47	XF6680	.59
11Z, 30Z, 31Z, 50, 70, 71, 72	XF6639	.73
35B, 43	XF6685	1.47

## PRICES DO NOT INCLUDE SWITCH

Snap-on Switch will fit any type Yaxley Volume Control. Easily attached. XF6564—Your Cost..... **21¢**

### Single Pole, Double Throw Switch Plate

Switch "makes" another circuit when power switch is in "off" position. Same size and shape as standard switch cover. Fits all controls. List: 50c. XM12853—Your Cost Each..... **29¢**

Manufacturers	Stock No.	Your Cost
<b>FADA, Cont.</b>		
"RW" (133, 134, 135), "RU" (131, 132), "RS" (112), "RY" (105, 106, 107), "RX" KY66 and 66KY late (above 2000 Serial), "RE" (75, 85)	XF6681	50.59
78, 79	XF6689	1.47
<b>GENERAL ELECTRIC COMPANY</b>		
H-31, H-51, H-71	XF6672	.59
H-91, H-91-R	XF6677	.59
T-41	XF6694	1.76
<b>GENERAL MOTORS RADIO CORP.</b>		
252, 253, 254, 255, 256, 257, 258, 251	XF6680	.59
"MA" Little General, 110, 180, 190	XF6685	1.47
120, 130, 140-Chassis A	XF6686	1.47
252, 253, 254, 255, 256, 257, 258, 216, 217, 219, 250 (Tone)	XF6678	.59
<b>GRAYBAR ELECTRIC CO.</b>		
600	XF6668	.59
700, 770, 900	XF6672	.59
678	XF6694	1.76
<b>A. H. GREBE &amp; CO., INC.</b>		
AH-1	XF6669	.59
SK-4 (AC)	XF6670	.59
SK-4-DC, 79-7 tube	XF6674	.59
HS-6, HS-12	XF6687	1.47
<b>GRIGSBY-GRUNOW CO.</b>		
130-A, 230-A	XF6669	.59
55	XF6674	.59
70-B, 158, 15, 15-B, 35	XF6674	.59
370, 400, 400-A	XF6676	.59
380	XF6677	.59
114, 116 Auto (types 1, 2, 3, 4), 390, 210, 290, 239, 310-A, 310-B (2 types), 3210, 380, 360, 340, 85, 86, 009, 95, 105, Batt. 300	XF6679	.59
460, 461, 463, 66 Auto, 55, 59, 75, 195, 560, 566, 490, 491, 493	XF6679	.59
200	XF6680	.59
90, 90-B, 100	XF6695	.73
60, 61, 62, 160, 163	XF6696	.88
90, 90-B, 100, 100-B (Equalizer)	XF6697	.88
<b>KOLSTER RADIO INC.</b>		
950, 961	XF6674	.59
K-20, 21, 22, 23, 25, 27, 24, 28, 30, 32, 42, 43, 44, 70, 72, 80, 82, 90, 92, B-10, 6-1, 6-R, 6-K	XF6675	.59
K-68, K-73, K-83, K-95, K-103, K-45, Automatic, Screen Grid, B-15, B-16	XF6676	.59
<b>NATIONAL CARBON CO. (Eveready)</b>		
30, 40, 44	XF6668	.59
1, 2, 3 (3000 ohm)	XF6671	.59
52, 53, 54	XF6686	1.47

Manufacturers	Stock No.	Your Cost
<b>PHILCO</b>		
15, 15-A and 15-E, 91 (121-221), 91-A, 91-E	XF6679	50.59
Transitone Auto 3, 90 and 90-A, 30-Batt., 490, 211, 211-A, 112 and 112-A, 212 and 212-A, 111 and 111-A, 95, 96, 96-A, 296, 206-A, 3, Auto, 70, 70-A, 90, 90-A, 22-L, 23-X	XF6680	.59
800 Auto, 5-Transitone, 89, 19, 47-DC (121-221), 54, 43	XF6680	.59
15, A-15 and E-15	XF6681	.59
71, A-71, E-71, A-91 and E-91	XF6681	.59
90 and 90-A, 45's, 70 and 70-A, 270 and 270-A, No. AVC, 470, 470-D, 20, 20-A, 41, 42-DC, 220, 220-A	XF6683	1.47
<b>RAA VICTOR COMPANY INC.</b>		
110, 111, 115	XF6671	.59
210, 310, R-28-P, R-29, R-40, RE-40-P	XF6671	.59
Radiola 80, 82, 86, RE-16-A, R-22, 101, 112	XF6672	.59
R-122-22	XF6672	.59
R-50, R-55, RAE-59, M-30, RE-81, R-74, 76, R-77, R-71, R-72, 300, 141-B, 142-B, 21, 22, 43	XF6677	.59
R-27, Premax, P-1, R-17-M, R-18-W, R-27	XF6679	.59
R-35, R-39, RE-57	XF6687	1.47
R-7, R-70-A, R-9, R-4, R-6, Radiola Superette	XF6621	.88
R-15, R-48, R-42	XF6694	1.76
R-32, R-52, Re-45, RE-75, RE-154, (Dual)	XF6698	1.47
<b>SPARTAN</b>		
15	XF6669	.59
45 Visionola, 80, 25, 26, 35	XF6672	.59
600, 610, 620, 235, 589, 27-AC, 29, 750, 564, 737, 574, 670, 5, 9	XF6675	.53
931, 301-AC, 79-A, 89, 69, 89-A, 101-103, 109-930, Sparks Ensemble, 101 Automatic	XF6677	.59
61, 62, 71, 71-B, 36 Auto, 33 Auto	XF6679	.59
79-A, 69-A, 591, 593	XF6699	.73
410, 750, 870, 931, 420, 430	XF6700	1.47
<b>STEWART WARNER CO.</b>		
950 Series, R-100-A, R-100-B, R-100-E, R-100	XF6676	.59
950-AC, R-100-A	XF6701	.73
R-100-C-DC, 950 Series Batt. 970-DC, 950-DC	XF6687	1.47
<b>STROMBERG CARLSON</b>		
16-DC, 17-DC	XF6669	.59
10, 11, 19, 20, 25, 26	XF6669	.59
52, 54	XF6680	.59
12, 14	XF6648	.73
22, 24, 27	XF6650	.73
625, 636, 638 (Short Staff)	XF6652	.59
(Double Staff)	XF6654	.73
846, 848 (Double Staff)	XF6655	.88
(Long Staff)	XF6651	.73
641, 642, 652, 654, (Long Staff)	XF6651	.73
(Double Staff)	XF6653	.73
38, 39, 40, 41, 37	XF6689	1.47
19, 20, 33 Auto (Tone)	XF6678	.59
<b>TRANSFORMER CORP. OF AMERICA (CLARION)</b>		
90, 91, 92, 94, 95, AC-94, 25-C-94	XF6668	.59
220, 100	XF6672	.59
320	XF6674	.59
Clarion Jr. 60, 60 Jr., AC-60, 25-C-60, 51, 53, 55	XF6676	.59
422, 423, 425, 440	XF6676	.59
260, 340, 470, 472, 480, 280	XF6681	.59
<b>WESTINGHOUSE ELEC. &amp; MGF. CO.</b>		
WR-5, WR-6, WE-7, WE-8	XF6672	.59
WR-4	XF6694	1.76
<b>ZENITH RADIO CORP.</b>		
2004, 10, 11, 12, 102, 112, 122, 80 (Series)	XF6677	.59
712, 755, 756, 474, 2056, 2056-1, 460 Auto, 230, 240, 245, 771-AC-DC, 91, 92	XF6680	.59
50, 60, 70 (Series)	XF6619	1.47
50, 60 (Single unit)	XF6702	.59

## NOTE

For a more complete listing of volume controls for all standard receivers, consult pages 140 and 141 in Catalog 56. Don't fail to write for your copy of the FREE 120 page Yaxley volume control manual.

# ELECTRAD VOLUME CONTROLS

Manufacturer	Stock No.	Your Cost
<b>Atwater-Kent</b>		
37, 38, 40, 42, 43, 44, 46, 52, etc., Volume Control Strip	XG7992	\$0.25
55, 60, 66 Strip	XG7993	.25
55, 55C, 60, 60C, 61, 61C, 66	XG7920*	.59
55, 55C Late Models	XG8076	1.59
82, 82F, 85, 85F	XG8026	1.21
P. L1, L2	XG8092	2.12
80, 80F, 83, 83F	XG8023	.92
84, 84F	XG8024	1.19
86, 86F	XG8025	1.19
82DC	XG8077	.92
82Q	XG8027	.66
89, 89F, 85Q, 92, 627	XG7904	.59
84, 84F, Early Models	XG7904*	.59
217, 427, 667, 510, 310-T, 310-J, 275, 165, 711-T, 711-R, 711-J, 708, 808-A, 217-D, 427-D, 667-D	XG8029	.92
636, 756, 756-B	XG8035	.66
<b>Belmont Radio</b>		
420	XG8130	.94
540	XG8131	.94
575	XG8132	.94
650	XG8133	.94
<b>Bosch Radio</b>		
5, 20 Super-Het	XG7902*	.59
28, 29	XG7995	.92
5-A, 205	XG7996	1.05
58, 62	XG8037	.66
7A, 20, 20J, 20K, 20L, 31, 36, 73, 133, 135, 74	XG8039	.92
80, 84	XG8040	.66
60, 63	XG8041	.66
48AC, 54DC	XG8052	1.45
<b>Brunswick</b>		
B-17, 17-8, PR	XG7936	.79
2KR, 5KR, 2KRO, 5KRO, 3KR8, 5KR6	XG7937	.79
3NC8, 3NW8, 5NC8	XG7939	.79
17, 24, 25, 4PA, D11, D12, D16, D18, D33	XG7904*	.59
S14, S21, S31, S81, S82	XG7997	1.32
10, DC14, DC21, DC31	XG7911*	.59
11, 12, 16, 33	XG7931	.79
14, 21, 31	XG7903*	.59
Panatrope, Phono-Volume Control	XG8079	.79
<b>Colonial Radio</b>		
47, 48	XG7912*	.59
44, 50, 46	XG7902*	.59
32, 33, 32DC	XG7978	1.32
150	XG8134	.94
164, 182, 240	XG8135	1.08
<b>Columbia Radio</b>		
Screen Grid 8	XG8044	1.19
<b>Crosley</b>		
608, 609, 1 1/4" Shaft	XG7972	.66
804	XG7959	.66
30S, 31S, 33S, 34S	XG7966	.66
AC-7, AC-7C	XG7923*	.59
82S, 40S, 41S, 46S	XG7966	.66
77, 84, 92, 121, 121-1, Series B, 127, 91, Roamio Auto	XG7904*	.59
53, 54, 57, 58	XG7956	.66
55, 56, 120	XG7902*	.59
124, 125	XG7957	.52
610, Female Shaft	XG7968	.79
Early 706, Long Shaft	XG7928	.79
26	XG8045	.66
59	XG8082	.79
41, 41A, 42, 705, 706, Long Shaft	XG7998	.79
602, 704, 704A, 704B, Short Shaft	XG8096	.66
<b>Earl Radio</b>		
21DC, 22DC, 32, 21AC, 22AC	XG8017	1.32
24DC, 31DC, 33DC	XG7908*	.59
31S, 32S, 33S	XG8053	1.45

## NOTE

A \* following a control means it is a standard control, having an extra long shaft to meet all replacement purposes. These controls are supplied less A. C. switch. If your replacement calls for a switch type volume control, be sure to order the Electrad Snap-On Switch Assembly. All other volume controls are designed especially for the receiver specified.

Manufacturer	Stock No.	Your Cost
<b>Edison Radio</b>		
SC, C1, C2, E-175, R1, R2	XG7964	\$0.66
R-6, R-7	XG7987	.66
<b>Eveready</b>		
1, 2, 3	XG7995	.92
30, 40, 50 Series	XG7990	2.12
<b>Fada</b>		
41, 42, 44, 46, 47	XG7907*	.59
Model 45, KU	XG7920*	.59
472UA, CA, 45-72, 10, 11, 31, 10Z, 11Z, 30Z, 31Z, 50, 70, 71, and 72	XG7953	.66
262, 265UA, CA, RP65UA, RP62, UA, 7AC, 475	XG7952	.66
16, 17, 32, 16Z, 32Z, 18DC, and 1653-AB	XG7958	.66
20, 20Z, 25, 25Z, 15M, 15MZ, 35 and 35Z	XG7927	.66
75 and 77	XG7921*	.59
KY Chassis used in 66 Receiver, RE Chassis used in 73, 85 Receivers; RA Chassis used in 74, 76, 83, 87, 88, 89 Receivers	XG7904*	.59
KW Chassis used in 48, 49 Receivers (Neon Tube Control)	XG8083*	.59
KO, KOC, 51, 53, 57, 45	XG8083*	.59
43	XG8097	1.59
<b>Freed-Eisemann</b>		
NR-80AC, NR-80DC, NR-85AC, and NR-85DC (Strip)	XG8098	.24
<b>General Electric</b>		
H-71, H-51, H-31	XG7943	.79
H-32	XG8014	.66
T-12	XG7933	.66
S-22	XG7943	.79
K-62, S-132	XG7934	.66
<b>General Motors</b>		
"A" Chassis; Models 120, 130, 140, 150 and 160	XG8021	2.12
Chassis S1A, S1B; 216, 217, 219, 250	XG8057	1.05
Chassis S2A, S2B, S3A, S3B; 251, 252, 253, 254, 255, 256, 257 and 258	XG8058	1.05
Chassis S2A, S2B Tone	XG8101	.66
Chassis S4A, S4B	XG8085	1.05
Chassis S4A, S4B; Tone	XG8059	.66
Chassis S9A, S9B, 211	XG8102	1.05
Chassis S10A, S10B, 220	XG8056	1.05
Chassis MA-MB Tone	XG8103	.59
<b>Graybar Electric</b>		
Midget 8	XG7944	.79
311	XG7937	.79
600	XG7942	.79
340	XG7939	.79
600, 650	XG7938	.79
678, RC-3	XG8054	2.05
700, 770, 900	XG7943	.79
Graybrette No. 4	XG7933	.66
<b>Grebe, A. H.</b>		
AH-1	XG7918*	.59
SK-4 AC	XG8086	.66
Models 1, 2, 3, 4, SK-4DC	XG7911*	.59
<b>Kolster-Columbia</b>		
K-70, 72, 80, 82, 90, 92	XG7902*	.59
K110, 112, 120, 122, 130, 132	XG8074	1.06
K-43	XG8108	1.32
<b>Majestic</b>		
70 and 70B	XG7912*	.59
90, 91, 92, 100B	XG7903*	.59
25B, 35	XG7920*	.59
15, 15B, 150	XG8002	1.19
60 Chassis	XG8003	.66
130 Chassis	XG8004	.66
25 Chassis	XG8006	1.19
90, 91, 92, 180, 181, 90B, 100B; Equalizer	XG8007	.79
30 Chassis	XG8018	1.59
100 Chassis	XG8019	1.32
200 Chassis	XG8011	.66
210 Chassis	XG8012	.66
<b>Philco</b>		
71H, 71L, 71B	XG7907*	.59
70, 70A, 90, 90A	XG8049	1.32
70, 70A; Serial Numbers above B-22000	XG7904*	.59

Manufacturer	Stock No.	Your Cost
<b>Philco, Cont.</b>		
112, 112A, 112E, 212, 212A	XG8070	\$0.66
20, 20A, 270, 220	XG7980	1.32
50, 50A	XG8048	1.32
51, 51A	XG7902*	.59
59	XG8046	.66
89	XG8062	.66
45	XG8136	.94
16, 17	XG8137	1.08
<b>RCA-Victor</b>		
Radiola 16	XG7935	.92
Radiola 17, 50, 41, 7-25, 7-54	XG7936	.79
Radiola 18, 33, 51, 7-11, 7-26	XG7937	.79
Radiola 44, 46, 47	XG7938	.79
Radiola 60, 62	XG7939	.79
Radiola 64, 67, 9-18, 9-54	XG7940	.79
Radiola 64 Sensitivity Control	XG7941	.79
Radiola 66	XG7942	.79
80, 82, 86	XG7943	.79
Superette R-7, 7A, R8, R10, R11, RE18, R21, RAE26	XG7944	.79
Superette R-7, 7A; Tone Control	XG8065	.66
R50, R55, RAE59, RAE79	XG8014	.66
RAE26, R-11; Tone Control	XG8066	1.05
RC-3, 42, 48, 13, 15, 17	XG8054	2.05
35, 39, 57	XG7986	2.12
R-32, RE-46, R-52, RE-75	XG7979	1.05
124	XG8138	.67
114	XG8139	.94
261	XG8140	.94
262	XG8141	.81
<b>Sparton</b>		
5, 9	XG7949	1.05
10	XG7948	1.05
15	XG7947	1.05
25, 26	XG7946	1.05
110, 301, 101, 103, 109, 589, 930, 931, 79A, 69, 591, 593	XG7930	.66
570, 740, 750, 664, 600, 610, 620, 737, 574, 870, 111A, 89A	XG8118	.66
410, 420, 600A, 610A, 620A	XG7983	1.59
<b>Stewart-Warner</b>		
950DC, 970, R100C DC	XG8022	1.32
900, 811, 500, 520, 525, 806	XG7903*	.59
950 AC, R100A, R100B, R100E, R101A, R101M	XG7925	.66
R110A, R110E	XG8121	.92
<b>Stromberg-Carlson</b>		
635, 636, 638, Short Shaft	XG7901	.66
635, 636, 638, Double Shaft	XG7961	.53
846, 848, Double Shaft	XG7965	.66
846, 848, Long Shaft	XG7900	.66
641, 642, 652, 654; Long Shaft	XG7900	.66
641, 642, 652, 654; Double Shaft	XG7960	.53
638 DC	XG7932	.66
19, 20, 21	XG8030	.92
22, 24, 27	XG8033	.92
19, 20, 21; Tone Control	XG8034	.79
38, 39, 40	XG8123	1.59
645 DC; Double Shaft	XG8124	.59
645 DC; Long Shaft	XG7900	.66
48, 49, 50, 51	XG8063	1.39
52, 54	XG8142	.67
64	XG8143	.94
64 Tone	XG8143	.94
68	XG8144	.67
<b>Westinghouse Electric</b>		
WR-4	XG7991	1.95
WR-5, 6, 7	XG7943	.79
WR-10, 10A	XG7944	.79
<b>Zenith Radio</b>		
52, 53, 54, 60, 61, 62, 64, 67	XG7945	.92
Hyper-Merton, 82, 89, 822, 892, 10, 102, 112, 122, 70	XG7976	1.59
5-Tube Zenette, LH, WH, MH	XG7902*	.59

## NOTE

A complete listing of Electrad Volume controls will be found on pages 138 and 139 in Catalog 56. Write in for a FREE copy of the Electrad Volume Control Guide which contains data on all standard radio receivers.

# Centralab VOLUME CONTROLS

CENTRAL RADIO LABORATORIES

	Stock No.	Your Cost
<b>All-American Mohawk</b>		
70, 73, 75—Special	XH8845	\$1.47
"H" Series	XH8912	1.22
"J" Series	XH8872	.59
"K" Series	XH8863	.59

	Stock No.	Your Cost
<b>Atwater Kent Mfg. Co.</b>		
61, 61C, 72, 66, H1, H2 "Special"	XH8723	1.47
"P" Series, L-2, P or 75 Q-2		
Series, "Special"	XH8902	1.47
L-1	XH8912	1.22
82D, 84D, 84Q Batt., 89, 89F, SW Type	XH8808	.83
188, 228, 260, 467, 246, 266, 612, 627, 812, 448	XH8808	.83
480	XH8791	.83
636	XH8697	.73

	Stock No.	Your Cost
<b>Belmont Radio Corp. (Freshman)</b>		
600 Late	XH8808	.83
50C, D	XH8816	.83
70 Series	XH8819	.83

	Stock No.	Your Cost
<b>Bosch</b>		
48 and 49 "Special"	XH8895	1.47
54, 56	XH8913	1.22
58, 62 "Special"	XH8888	.98
54-DC "Special"	XH8910	.93
5A, 5B, 7A, 73, 133	XH8961	.83
60, 61, 63 "Special"	XH8887	.98
20, 31, 32	XH8872	.59
73, 74	XH8803	.83
48, 49, Early Models—Special Control	XH8774	1.47

	Stock No.	Your Cost
<b>Brunswick-Balke-Collender Co.</b>		
S14, S21, S31, S81, S82	XH8811	.83
14, 21, 31	XH8794	.83
S-32 Cavac	XH8804	.83
11, 12, 16, 33	XH8793	.83

	Stock No.	Your Cost
<b>Colonial Radio Corp.</b>		
31DC	XH8757	.59
SG-32AC, 33AC "Special"	XH8719	1.71
44, 47, 48, 50	XH8961	.83

	Stock No.	Your Cost
<b>Crosley Radio Corp.</b>		
40S, 41S, 42S, 82S, Early Models and 71-A	XH8847	1.22
40S, 41S, 42S, 82S, Late Models Specify CRL No.	XH8896	1.22
30S, 31S, 33S, 34S, 40S, 41S, Single Control	XH8851	.73
53, 54, 57 (New Buddy)	XH8869	.59
Johnny Smoker, Super Buddy		
122	XH8859	.59
126, 55, Long Shaft, "Special"	XH8855	.73
52, 26, Long Shaft, "Special"	XH8853	.73
55, Short Shaft	XH8862	.59
56, Short Shaft	XH8861	.59
75, 76DC, 77, 84, Special	XH8854	.73
120	XH8961	.83
605, 615, 625	XH8869	.83
48	XH8794	.83
127-1	XH8879	.59
141, Sent. 146-1	XH8813	.83
704-706-705	XH8785	.73

	Stock No.	Your Cost
<b>Edison &amp; Splittorf</b>		
R4, R5, C4, Special Twin, Early Models	XH8897	1.47
R6, R7, Early Models, C. T. Control, Special	XH8830	1.47
R6, R7, R4, R5, C4, Late Models, Twin Control	XH8897	1.47

	Stock No.	Your Cost
<b>Eveready</b>		
1, 2, 8	XH8862	.59
30, 40 Series	XH8865	.59
50 Series, Original	XH8892	1.47

	Stock No.	Your Cost
<b>Fada</b>		
25, 25Z, 15M, 15MZ, Special Shaft	XH8932	.98
20, 20Z, Special Shaft	XH8889	.98
75, 77, 85, 35Z, Special Shaft	XH8962	.98
43, 76Z, KF, KG	XH8775	1.47
KA-41, 42, 44, 46, 47, 86DC	XH8874	.59
KW-48, 49, Sw. Type	XH8808	.83
RC 78, 79	XH8699	.83
RL Fadalette	XH8816	.83

	Stock No.	Your Cost
<b>General Electric Co.</b>		
H31, H51, H71	XH8867	.59
S-22, S-22X-S-42	XH8863	.59
T-12	XH8873	.59

## FREE

Volume Control Guide will be sent with orders of three 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.

	Stock No.	Your Cost
<b>General Motors Radio</b>		
A Chassis, Models 120, 130, 140, 150, 160	XH8899	\$1.47
M. A. Midget, 110, 190	XH8913	1.22
M. A. Midget, 110, 190, Tone Control	XH8872	.59
S9A, 211, S9B	XH8806	.83
S10A, S10B, 220	XH8818	.83
S2B, 251, S2A	XH8817	.83
S2A, S2B, 251, Tone Control	XH8870	.59
S1A, 216, 217, 219, 250	XH8806	.83
S3A, S3B, 252, 253, 254, 255, 256, 257, 258	XH8817	.83
<b>A. H. Grebe &amp; Co. Inc.</b>		
AH-1	XH8859	.59
Early Synchrophase SK-4		
AC	XH8900	1.47
SK4-DC	XH8811	.83
HS4-1, 2, 3, 4	XH8813	.83

All Centralab controls for Majestic sets exactly duplicate the original, both physically and electrically. No changes necessary to install.

	Stock No.	Your Cost
<b>Grigsby-Grunow (Majestic)</b>		
60, 70, 70B	XH8972	.61
180, 181	XH8766	.98
50 Series	XH8903	.98
90, 91, 92, 180, 181, 321, Equalizer on Condenser	XH8930	.83
90 Series, 9P6-3	XH8767	.61
30, 31, 131, 132, 233	XH8923	1.22
100 Series, 100B	XH8768	.98
130A	XH8660	.61
230A	XH8923	1.22
20 Series	XH8659	.83
60 Series, 160	XH8769	.61
120 Series	XH8770	.98
15, 15B, 150	XH8797	.83
15, 15B, 150-Tone Control	XH8738	.61
25 Series	XH8799	.83
200, 201, 202, 203, 204	XH8650	.61
200, 201, 203, 204-Tone	XH8651	.83
290, 300, 300A, 310A, 310B	XH8652	.61
400, 411, 411A, 413, 413A	XH8653	.83
440	XH8654	.83
460	XH8655	.61
490	XH8656	.61
500	XH8824	.83
570	XH8657	.61
600	XH8658	.83
800	XH8879	.61

	Stock No.	Your Cost
<b>Kolster Radio Corp. (Columbia Phono.)</b>		
K-21, 24, 28, 23, K30, 32	XH8860	.59
60 Series	XH8813	.83
70, 80, 90 Series AVC	XH8818	.83
100 Series	XH8808	.83
K42, K43, K44, K45	XH8926	1.47

	Stock No.	Your Cost
<b>Philco</b>		
511, 512, 513, 514, 515, 521, 531, 541, 551, 561, 571, 581, 82, 86, 87	XH9015	.73

## NOTE

SPACE LIMITATIONS PREVENT a complete listing of CRL Controls. Refer to pages 142 and 143 in catalog number 56 for a more complete listing of Centralab special volume controls. We can supply any control, for radio or industrial application, manufactured by CRL at a discount of 50 and 2% from the list price.

	Stock No.	Your Cost
<b>Philco, Cont.</b>		
76, 77, 77A	XH8913	\$1.22
20, 20A, 220, 70, 70A, 270	XH8771	.59
30, 96, 96A, 111, 11A, 211, 211A, 296, 296A, 111, 112, 212	XH9014	.64
51, 52, 551	XH9017	.49
71, 91, 121, 75	XH8772	.49
80-Midget	XH8773	.59
95	XH9016	.73

	Stock No.	Your Cost
<b>R. C. A. Victor</b>		
42, 48, R14, R15, RE-17	XH8905	1.22
R32, RE45, R52, RE75	XH8911	1.22
RE35, RE39, RE57, RE73	XH8904	1.22
R7, R7A	XH8867	.59
R7, Tone Control	XH8744	.73
R7A, R11, RE18, Tone Control	XH8870	.59
R50, R55	XH8861	.59
R50, R55, Tone Control	XH8863	.59
R57, 82, 86, Tone Control	XH8875	.59
80, 82, 86	XH8867	.59
R74, R76, R77, R72, RE20	XH8875	.59
R4, R6	XH8868	.59
R8, R12	XH8693	.73
R11, R18, RE18A, RE19	XH8693	.73
Tone R11, R26	XH8824	.83
R-26	XH8693	.73
R-17M	XH8691	.83
R-18W	XH8691	.83
R22	XH8813	.83
R27	XH8691	.83
R28P	XH8811	.83
Tone R37, R38, Tone R70	XH8808	.83
R37, R38, Special	XH8690	.85
RE40P	XH8811	.83
R70	XH8843	.59

	Stock No.	Your Cost
<b>Sparks Withington Co. (Sparton)</b>		
62, 63, 110, 110 De Luxe, Sparks Ensemble, 600, 610, 620, 89A	XH8840	.59
931, 301	XH8844	.59
301, 589, 574, 737	XH8931	.59
591-593	XH8840	.59

	Stock No.	Your Cost
<b>Stewart-Warner Corp.</b>		
700, 705, 710, 900 Series, "Special"	XH8727	.73
970-AC-980	XH8913	1.22
R-104-A, B, E, 106, 108, 108X, 111 AC and DC	XH8808	.83
105 Volume	XH8875	.59
Tone R105	XH8825	.83
106 Sent. 108, 108X Sent.	XH8816	.83
110A and E	XH8809	.83

	Stock No.	Your Cost
<b>Stromberg-Carlson Tel. Mfg. Co.</b>		
635, 636, 601, 602, 633, 634, Long Shaft	XH8885	.73
601, 602, 633, 634, 635, 636, 638, Double Shaft	XH8886	.73
10, 11	XH8865	.59
12, 14	XH8863	.59
641, 642, 652, 654, 846-848, Long Shaft	XH8883	.73
641, 642, 652, 654, Double Shaft	XH8884	.73
12, 14	XH8687	.73
22, 24	XH8686	.73
29-Tone and Volume	XH8808	.83
48	XH8685	.98
52	XH8825	.83

	Stock No.	Your Cost
<b>U. S. Radio &amp; Television (Apex)</b>		
Gloritone 26	XH8871	.59
31 Series	XH8793	.83
28 Series	XH8876	.59
8 and 10 Series	XH8874	.59
Midget 27 Series, Late	XH8961	.83

	Stock No.	Your Cost
<b>Westinghouse</b>		
WR-4	XH8905	1.22
WR-5, 6, 7, 8, 10-A	XH8867	.59
WR-14	XH8873	.59

	Stock No.	Your Cost
<b>Zenith Radio Corp.</b>		
52, 52Z, 53, 53Z, 54, 54Z, 57, 50 Series, 70, 102, 112, 212, 10, 11, 12 Special, 122	XH8802	.98
70 Series, 50, 60, 70, 71, 72, 73, 77, 712, 722, 732, 772 (Later types) Special (Dual)	XH8924	1.47
"Zenette" AH, CH, RH, No. 30	XH8793	.83
10, 11, 12, 102, 112, 212, 70	XH8802	.98
2009	XH8803	.83

# VOLTAGE DIVIDERS

In the listing below, only the most popular voltage dividers are shown. We can supply any divider not listed at the very lowest prices. Write giving name and model number of set, and we will quote immediately.



Name and Model	Resistance	Stock No.	Your Cost
<b>APEX</b>			
27	4700-8400-10700	XX20411	\$0.73
<b>BOSCH</b>			
48	950-1450-2000	XX20431	.60
49	1650-800-1950	XX20432	.60
54 D.C.	22 ohms	XX20435	.27
<b>BRUNSWICK</b>			
B-17, PR-17-8	1690-205-2140-3750-410	XX20444	.20
5-KR, 3-KR, 2-KR, etc.	1600-1900-440	XX20445	.49
<b>COLONIAL</b>			
32 D.C.	34.9 ohms	XX20466	.88
36 D.C.	1.83-17.6-68	XX20463	.95
<b>COLUMBIA (Kolster)</b>			
C-2, C-4	900-120-90	XX20472	.60
C-b, 961 (205)	7200-60-90-700	XX20473	.70
931	6000-2200-135-700	XX20479	.70
950	9000-3200-140-70-700	XX20481	.70
950	30000-20000	XX20482	.70
980	6000-55-100	XX20483	.70
<b>EARL</b>			
31, 31S, 32, 32S, 41, 33, 33S	4000-0-750	XX20491	.48
<b>EDISON</b>			
R-1, R-2, C-2	12500	XX20492	.49
R-4, R-5, C-4	10000	XX20493	.40
R-1, R-2, C-2	750-750	XX20494	.62
<b>FADA</b>			
42, 44, 41, 46, 47	800-300-100	XX20497	.65
<b>FREED</b>			
78, 78S, 79, 79S, 90, 90S, 85, 65	4000-0-750	XX20491	.55
<b>FRESHMAN</b>			
N-11, N-12	2200-6600-3300-4500-1500	XX20508	.59
"G"	2100-3000-4300-1250-300	XX20509	.64
<b>GRAYBAR</b>			
17	1690-205-2140-3750-410	XX20444	.19
500, 550	2800-900-3600-110 (No. 1)	XX20563	.89
311	1600-1900-440	XX20445	.19
<b>GREBE</b>			
SK-4	677-2200-62	XX20515	.78
SK-4	7000-10000-1500	XX20516	.88
<b>GULBRANSEN</b>			
AC-8	3100-9473-11250-150	XX20520	.95
<b>HAMMARLUND</b>			
Hi-Q 30	800-2000-1400-3000-2000	XX20521	.75
Hi-Q 31	2400-2800-1850-3750-850	XX20522	.88

Name and Model	Resistance	Stock No.	Your Cost
<b>KOLSTER</b>			
6J, 6K, 6R	3000-3000-220-900	XX20538	\$0.68
K 20, 22, 25, 27	840-60-220-3000-3000	XX20540	.69
K-24	3400-3800-55-80-140-360	XX20541	.72
K-43	1600-1000-380	XX20544	.78
<b>MAJESTIC</b>			
20	4125-750-0-770-158	XX20550	.77
<b>PHILCO</b>			
20, 20-A	1400-187-75-0-2470-975	XX20553	.59
76, 77, 77-A	800-250	XX20555	.42
76, 77, 77-A	2000-1500-1400	XX20556	.61
87	3785-157-0-640	XX20557	.70
<b>RCA—RADIOLA</b>			
17, 50	1690-205-2140-3750-410	XX20444	.19
18, 83, 51	1600-1900-440	XX20445	.19
30	2600-1400 (Resiator No. 1)	XX20707	.25
30-A	3000-2000-300-500-900	XX20559	.59
30-A	300 ohms	XX20826	.25
44	2800-900-3600-1100	XX20563	.78
44	500-0-1460-540-0-80	XX20564	.19
46, 47	2800-900-3600-1100	XX20563	.78
46, 47	1460-540-0-80	XX20565	.19
64	1280-4000-300-2200	XX20566	.19
64	1500-1000-250-130-160	XX20567	.19
64, 67	310-3850-310 (Bias)	XX20568	.49
66	4800 ohms (Plate)	XX20514	.29
67	1435-3400-300-2200	XX20570	.75
<b>SPLITDORF</b>			
"Abbey"	8000	XX20495	.29
<b>STROMBERG</b>			
403-B	27-6	XX20611	.70
403-B	3000-2500	XX20612	.70
403-B	3000-70-700	XX20613	.70
635, 636	2500-3000-3000-770	XX20614	.78
403, 403-A	2500-3000-3000-70-700	XX20647	.82
641, 642, 652, 654	1450-4000-3000-1300	XX20619	.78
641, 642, 652, 654	7800-3200	XX20620	.76
<b>VICTOR</b>			
7-11, 7-25, 7-26	1690-205-2140-3750-410	XX20444	.19
9-18, 9-54	1280-4000-300-2200	XX20566	.19
9-18, 9-54	1500-1000-250-130-160	XX20567	.19
9-18, 9-54	310-3850-310 (Bias)	XX20568	.80
R-32, RE-45, R-52, RE-75	2000-1350-200-775	XX20632	.50
14, 15, 17	3200-830-120-715	XX20639	.52
<b>ZENITH</b>			
ZE-10, ZE-12, ZE-13	6000-7800-8000-2500	XX20635	.70
ZE-15, ZE-16 Power Units	13000-11000-9500-1800	XX20636	.90
ZE-18 Power Unit	2800-2350-850	XX20638	.78
ZE-50, ZE-60, ZE-70 Series Power Units			

## OHMITE "Wire Watt" 1 Watt Resistors

A radically different type of resistor employing a wire wound element. In addition to the solder lug terminals, units are provided with 1 1/4" tinned wire leads. All RMA color coded. Noiseless in operation. Resistance value also stamped on each unit. Specify resistance desired when ordering from list below.



Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
100	400	800	2500	5000	12500
150	500	1000	3000	6000	15000
200	600	1250	3500	7500	17500
250	700	1500	4000	8000	20000
300	750	2000	4500	10000	25000

XE4800—List 25c  
Your Cost Each **15¢**

### OHMITE Amateur Hand Book

Just check full of resistor information, conversion charts, diagrams and service hints. 16 pages.

XY22148—Your Cost Each **10¢**

The Hand Book will be given FREE with purchases of 20 or more Ohmite Wire Watt resistors.

## Trutest Ohm Indicator

Handy—Reliable

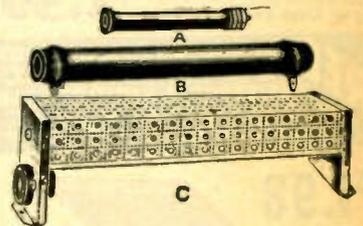


Range 0-100,000 Ohms

For speedily and accurately determining the value of a defective resistor without the need of elaborate testing instruments. Unit is wire wound on a vitreous enameled Isolantite tube, and is calibrated from 0 to 100,000 ohms. Comes with test prod and test clips. May also be used as a temporary voltage divider, volume control, etc. Built ruggedly to withstand rough usage. In use, test clips are fastened on the ends of the defective resistor, and prod is run up the scale until the best reception is obtained; resistor of same value is then substituted. Shpg. wt. 2 lbs.  
XE4997—Trutest Ohm Indicator **\$1.45**  
Your Cost Each

**FREE:** Write today for a special amateur catalog containing a complete listing of all "ham" equipment including a special resistor section.

## Filament Drop Resistors For A. C. to D. C. Conversions



Type A—20 ohm Edison Base Resistor rated at 60 watts. Shpg. wt. 3 lbs.

XX20719—Your Cost Each **68¢**

Type B—60 ohm 200 watt resistor. Will stand considerable overload. Size 8 1/2 x 7 1/2". Shpg. wt. 3 lbs.

XX20720—Your Cost Each **74¢**

Similar to the above, but 60 ohms 300 watts. Size 1 1/2 x 7 1/2". Shpg. wt. 4 lbs.

XX20721—Your Cost Each **98¢**

Type C—Heavy duty type. 60 ohm 200 watt. Resistor enclosed in pressed steel housing. Cage equipped with standard female receptacle to take line plug. Shpg. wt. 5 lbs.

XX20722—Your Cost Each **\$1.95**

Similar to the above but with 60 ohm 300 watt tube. Shpg. wt. 6 lbs.

XX20723—Your Cost Each **\$2.10**

Mail Your Orders to NEW YORK or ATLANTA

# Trutest

# Carbon Resistors



## Handy Resistance Kits With R.M.A. Color Coded Resistors

These kits are just the thing for shop or tool kit. They consist of a selection of TRUTEST R. M. A. Color Coded Resistors, neatly mounted on a pair of strips. Have hole at one end for hanging on a nail or hook. By refilling them from our regular Trutest stock as they are used, you are equipped with a complete range of resistances at all times. R. M. A. COLOR CODE CHART SENT WITH EACH STRIP.

### 1/2-Watt Kits

#### Two Strips [20 Resistors to a kit]

**XE4435**—One each of the following resistances (20 in all) 200, 400, 500, 600, 700, 800, 1250, 1500, 2000, 2500, 3000, 3500, 4000, 5000, 6000, 7000, 8000, 10000, 12500 and 15000 ohms.

**XE4436**—One each of the following resistances (20 in all), 17500, 20000, 25000, 30000, 40000, 50000, 60000, 70000, 75000, 100000, 125000, 150000, 200000, 250000, 300000, 500000, 1 Meg., 1 1/2 Meg., 2 Meg., 2 1/2 Meg.

### 1-Watt Kits

#### Two Strips [20 Resistors to a kit]

**XE4430**—One each of the following resistances (20 in all), 200, 400, 500, 600, 800, 1000, 1500, 2000, 2500, 3000, 4000, 5000, 6000, 8000, 10000, 12500, 15000, 17500, 20000, 25000 ohms.

**XE4431**—One each of the following resistances (20 in all), 30000, 40000, 50000, 60000, 75000, 100000, 125000, 250000, 500000, 750000 ohms; 1, 1.5, 2, 3, 4, 5, 6, 7, 8 and 10 Meg.

### 2-Watt Kits

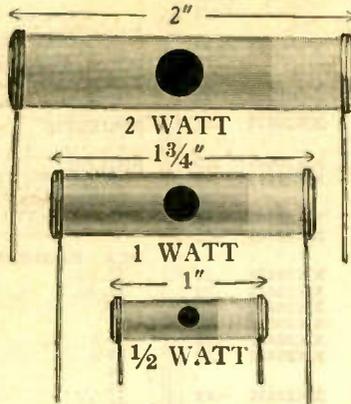
#### Two Strips [12 Resistors to a kit]

**XE4443**—One each of the following resistances (12 in all), 200, 500, 1000, 1500, 2000, 2500, 3000, 4000, 5000, 6000, 8000, 10000 ohms.

**XE4444**—One each of the following resistances (12 in all), 15000, 20000, 25000, 30000, 40000, 50000, 60000, 75000, 100000, 125000, 250000, 500000 ohms.

Any above kit, **\$1.30**  
Your Cost Each.....

## GENERAL REPLACEMENT RESISTORS



Represent years of research to develop a resistor that is absolutely moisture proof and will stay permanent regardless of atmospheric conditions. That is why Trutest Resistors are best.

**TRUTEST RESISTORS** are R. M. A. Color Coded for easy identification and are made of the finest material and workmanship. **Guaranteed accuracy, 10% plus or minus.** The average are within 6%. Resistance values read approximately the same at any normal voltage—most important for resistance service work. No moisture can possibly penetrate, so age cannot change the resistance value. Great mechanical strength eliminates any chance of accidental breakage.

**PRECISION MANUFACTURING**—Carefully calibrated resistance material is moulded in a solid form and fired at a high temperature so that no ordinary service or overload temperature can damage the resistor wire. Tinned leads are forced onto the metal sprayed ends under great pressure to insure a perfect, noiseless connection.

Resistance Ohms	1/2-Watt Stock No.	1-Watt Stock No.	2-Watt Stock No.	Resistance Ohms	1/2-Watt Stock No.	1-Watt Stock No.	2-Watt Stock No.
200	XE4250	XE4300	XE4450	20000	XE4273	XE4323	XE4473
300	XE4245	XE4348		25000	XE4274	XE4324	XE4474
400	XE4251	XE4301	XE4451	30000	XE4275	XE4325	XE4475
500	XE4252	XE4302	XE4452	40000	XE4276	XE4326	XE4476
600	XE4253	XE4303	XE4453	50000	XE4277	XE4327	XE4477
700	XE4254	XE4304	XE4454	60000	XE4278	XE4328	XE4478
800	XE4255	XE4305	XE4455	70000	XE4279	XE4329	XE4479
1000	XE4256	XE4306	XE4456	75000	XE4280	XE4330	XE4480
1250	XE4257	XE4307	XE4457	100000	XE4281	XE4331	XE4481
1500	XE4258	XE4308	XE4458	125000	XE4282	XE4332	XE4482
2000	XE4259	XE4309	XE4459	150000	XE4283	XE4333	XE4483
2500	XE4260	XE4310	XE4460	200000	XE4284	XE4334	XE4484
3000	XE4261	XE4311	XE4461	250000	XE4285	XE4335	XE4485
3500	XE4262	XE4312	XE4462	300000	XE4286	XE4336	XE4486
4000	XE4263	XE4313	XE4463	400000	XE4287	XE4337	XE4487
5000	XE4264	XE4314	XE4464	500000	XE4288	XE4338	
6000	XE4265	XE4315	XE4465	750000	XE4289	XE4339	
7000	XE4266	XE4316	XE4466	1000000	XE4290	XE4340	
7500	XE4267	XE4317	XE4467	1500000	XE4291	XE4341	
8000	XE4268	XE4318	XE4468	2000000	XE4292	XE4342	
9000	XE4269	XE4319	XE4469	3000000	XE4293	XE4343	
10000	XE4270	XE4320	XE4470	4000000	XE4294	XE4344	
12000	XE4271	XE4321	XE4471	5000000	XE4295	XE4345	
15000	XE4272	XE4322	XE4472	7500000	XE4296	XE4346	
17000	XE4273	XE4323	XE4473	10000000	XE4297	XE4347	

1/2-Watt, 1-Watt  
Your Cost Each.....  
Per Dozen 72c

**7c**

Per Hundred \$5.80

2-Watt  
Your Cost Each.....

Per Dozen \$1.20

**12c**

50 For \$5.15

**FREE** WITH EACH PURCHASE OF 3 OR MORE Trutest RESISTORS, A SERVICEABLE POCKET SIZE R.M.A. COLOR CODE CHART

**\$1.98**

Net



R. M. A. Color Coded Resistors in Sturdy Metal Box with Hinged Cover

Free! Color Code Chart

## Trutest Carbon Resistor Kits For the Serviceman's Tool Kit or Workbench

Twenty-five Certified Trutest R. M. A. color coded 1-watt resistors in a neat and durable finished metal case measuring 4 1/2 x 6 1/2 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	Ohms
200	1000	10000	30000	100000	
400	2000	12500	40000	250000	
500	3000	15000	50000	500000	
700	4000	20000	60000	1 Meg.	
800	6000	35000	75000	2 Meg.	

**XE4432**—Shpg. wt. 1 1/4 lbs. **\$1.98**  
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 4 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- 80000	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		

**XE4433**—Shipping weight 2 1/2 lbs. **\$3.48**  
Your Cost per Kit.....



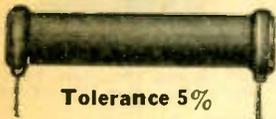
# Be Safe Buy



# Metallized Resistors

## IRC

### Power Wire Wound Resistors



Tolerance 5%

Power Wire Wound Resistors continue their leadership with these new high wattage units. They are small in size, conservatively rated (at 250° C.) and moderate in price. All machine-wound on non-hygroscopic cores. Have molded end contacts. Select desired size from listing. Prices of various types given in columns below.

Ohms	Ohms	Ohms	Ohms
1	500	4000	15000
5	750	4500	20000
10	1000	5000	25000
25	1250	6000	30000
50	1500	7000	35000
75	2000	7200	40000
100	2250	7500	50000
150	2500	10000	60000
200	3000	12000	75000
250	3500	12500	100000
300			

#### Type "PB"

#### 10-Watt Rating (Max.)

1 3/4" long by 5/8" diameter. Range up to 25,000 ohms (see list).

**XE5210** - List \$0.35  
**Your Cost Each** ..... **21¢**

#### Type "PC"

#### 20-Watt Rating (Max.)

2" long by 5/8" diam. Range up to 50,000 ohms (see list).

No.	From	To	Each
<b>XE5211</b>	1	9000	\$0.30
<b>XE5212</b>	10,000	50,000	.39

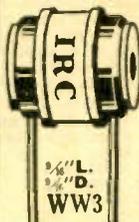
#### Type "PD"

#### 30-Watt Rating (Max.)

3" long by 5/8" diam. Range up to 100,000 ohms (see list).

Stock No.	Range From	Ohms To	Cost Each
<b>XE5213</b>	1	4,500	\$0.39
<b>XE5214</b>	5,000	15,000	.45
<b>XE5215</b>	20,000	75,000	.51
<b>XE5216</b>	100,000		.60

## Precision Wire Wound Resistors



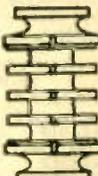
2 1/2" L. x 3/4" D.

WW1

Guaranteed Accuracy

1%

WW1



Pool Construction

Stock No.	Res. Ohms	Cur. M.A.	Your Cost	Stock No.	Res. Ohms	Cur. M.A.	Your Cost
<b>XE5150</b>	1,000			<b>XE5148</b>	15,000	8.15	
<b>XE5151</b>	2,707			<b>XE5171</b>	20,000	7.05	
<b>XE5152</b>	3,577			<b>XE5149</b>	22,500	6.64	
<b>XE5153</b>	4,500			<b>XE5172</b>	25,000	6.32	
<b>XE5154</b>	5,448			<b>XE5173</b>	30,000	5.75	
<b>XE5155</b>	6,407			<b>XE5174</b>	35,000	5.35	
<b>XE5156</b>	7,377			<b>XE5175</b>	40,000	5.00	
<b>XE5157</b>	8,353			<b>XE5205</b>	45,000	4.68	
<b>XE5158</b>	9,333			<b>XE5176</b>	50,000	4.47	
<b>XE5159</b>	10,318			<b>XE5177</b>	60,000	4.08	
<b>XE5160</b>	25,200			<b>XE5178</b>	75,000	3.64	
<b>XE5161</b>	50,141			<b>XE5189</b>	80,000	3.53	
<b>XE5162</b>	100,100		81¢	<b>XE5179</b>	100,000	3.16	
<b>XE5163</b>	150,81			<b>XE5180</b>	125,000	2.82	
<b>XE5164</b>	200,71			<b>XE5181</b>	150,000	2.58	
<b>XE5200</b>	250,68			<b>XE5182</b>	175,000	2.46	
<b>XE5204</b>	400,52			<b>XE5183</b>	200,000	2.23	
<b>XE5165</b>	500,44.6			<b>XE5184</b>	225,000	2.11	
<b>XE5203</b>	750,37.4			<b>XE5185</b>	250,000	2.00	
<b>XE5166</b>	1,000,31.6			<b>XE5190</b>	275,000	1.90	
<b>XF5143</b>	1,500,25.7			<b>XE5186</b>	300,000	1.83	
<b>XE5144</b>	2,000,22.4			<b>XE5191</b>	350,000	1.69	
<b>XE5167</b>	2,500,20.0			<b>XE5187</b>	400,000	1.58	
<b>XE5145</b>	3,000,18.2			<b>XE5192</b>	450,000	1.49	
<b>XE5168</b>	5,000,14.1			<b>XE5188</b>	500,000	1.41	
<b>XE5146</b>	7,000,11.8			<b>XE5201</b>	600,000	1.22	
<b>XE5147</b>	7,500,11.4			<b>XE5193</b>	750,000	1.11	
<b>XE5169</b>	10,000,10.0		88¢	<b>XE5194</b>	1 Meg.	1.00	3.25
<b>XE5170</b>	12,500,8.7			<b>XE5195</b>	1 1/4 Meg.	.89	4.88
				<b>XE5202</b>	1 1/2 Meg.	.81	

#### WW3

Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
<b>XE5125</b>	200		<b>XE5131</b>	10,000	72¢	<b>XE5137</b>	35,000	91¢
<b>XE5126</b>	300		<b>XE5132</b>	12,500		<b>XE5138</b>	40,000	
<b>XE5124</b>	500	59¢	<b>XE5133</b>	15,000		<b>XE5139</b>	50,000	
<b>XE5127</b>	1,000		<b>XE5134</b>	20,000	81¢	<b>XE5140</b>	60,000	1.04
<b>XE5128</b>	2,500		<b>XE5135</b>	25,000		<b>XE5141</b>	75,000	1.20
<b>XE5129</b>	5,000		<b>XE5136</b>	30,000		<b>XE5142</b>	100,000	
<b>XE5130</b>	7,500	.72						

## IRC

### Metallized

#### Replacement Resistors



We stock IRC metallized Type F-1/2 (1/2-watt), Type F-1 (1-watt), and Type F-2 (2-watt) in the following ohmage. Only the 1-watt resistors, however, are available in ohmage 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	4 1/2
2250	15000	300000	*6
2500	17500	400000	*7
3000	20000	Megohms	*8
3500	25000		*9
4000	30000	1 1/2	*10
5000	40000	1 3/4	

\*Available in 1-watt type only.

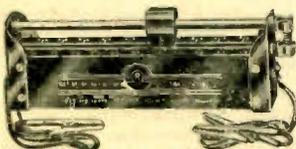
**XE5250** - Type F-1/2 (1/2 watt). 1" long. Pigtail type.  
List 20c  
**Your Cost Each** ..... **12¢**

**XE5251** - Type F-1 (1 watt). 1 1/4" long. Pigtail type.  
List 20c  
**Your Cost Each** ..... **12¢**

**XE5252** - Type F-2 (2 watt). 1 3/4" long. Pigtail type.  
List 30c  
**Your Cost Each** ..... **18¢**

## NEW! I R C

### Fused Dual Resistor Indicator



A compact indicator having a range covering from 100 to 100,000 ohms. Two scales used: low scale from 100 to 10,000 ohms, high scale from 10,000 to 100,000 ohms. Winding protected from accidental overloads and consequent burnouts by a Littelfuse mounted on the assembly. Contact is made, at a constant even pressure, by a ball-test slider. Comes complete with new type narrow-jaw alligator test leads. Size 7x1 1/2 x 2 3/4". Shpg. wt. 2 lbs.

**XE5295** - Fused Dual Resistor Indicator. List \$4.50  
**Your Cost** ..... **\$2.70**

## I R C Metallized Resistor Kit

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. Shpg. wt. 2 lbs.

**XE5272** - List \$4.00  
**Your Cost** ..... **\$2.40**

## Heavy Duty Transmitting Resistors

### 100 Watt Size (Max.)



These sturdy, high wattage resistors, designed for amateur transmitting, experimental, broadcasting and industrial use, meet the demand for units able to dissipate large amounts of power. Accurately wound on non-hygroscopic ceramic bases and protected by the new I.R.C. cement coating. All ratings based on NEMA standards. Units provided with solder lug terminals. Other features include: Low co-efficient of expansion; high resistance to oxidation; rapid heat dissipation; permanent resistance value. Come complete with mounting brackets. Tolerance plus or minus 5%. Size 6 1/4" long, 1 1/8" diameter.

#### 100-Watt Resistors (Max.)

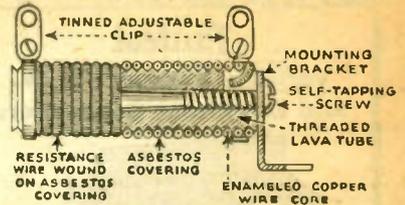
Stock No.	Res. Ohms	Cur. M.A.	Your Cost	Stock No.	Res. Ohms	Cur. M.A.	Your Cost
<b>XE5217</b>	100	1,000		<b>XE5228</b>	5,000	140	\$0.78
<b>XE5218</b>	250	632		<b>XE5229</b>	7,500	115	
<b>XE5219</b>	400	500		<b>XE5230</b>	10,000	100	
<b>XE5220</b>	500	447		<b>XE5231</b>	15,000	80	84¢
<b>XE5221</b>	750	365		<b>XE5232</b>	20,000	70	90¢
<b>XE5222</b>	1,000	315	72¢	<b>XE5233</b>	25,000	63	
<b>XE5223</b>	1,250	280		<b>XE5234</b>	50,000	44	1.02
<b>XE5224</b>	1,500	220		<b>XE5235</b>	75,000	36	1.20
<b>XE5225</b>	2,000	220		<b>XE5236</b>	100,000	31	1.38
<b>XE5226</b>	2,500	200		<b>XE5237</b>	125,000	28	1.50
<b>XE5227</b>	4,000	155		<b>XE5238</b>	150,000	25	1.65

# ELECTRAD TRUVOLT RESISTORS



## TRUVOLT Adjustable Resistors

Now, beside the incorporation of a new 10-watt line, many new improvements and still greater advantages are to be gained through the use of this time-tested product. The adjustable clip has been redesigned to afford more effective resistance and unique end brackets are supplied with each B, C, and D type resistor. A new protective insulating sleeve is supplied with each resistor. There is now greater insulation (1000-volt insulation) to heat conducting copper core. Self-tapping screws are supplied to fit inside diameter of tube.



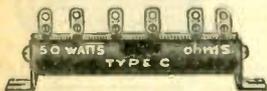
TYPE A—10 WATTS		
Stock No.	Resistance in Ohms	Current M.A.
XG7150	1	3150
XG7151	2	2200
XG7153	3	1800
XG7155	7.5	1150
XG7156	10	1000
XG7157	15	815
<b>Your Cost</b>		
XG7159	25	630
XG7160	30	570
XG7161	80	450
XG7162	75	360
XG7163	100	315
XG7164	200	220
<b>29c</b>		
XG7165	300	180
XG7166	400	158
XG7167	500	141
XG7168	800	112
XG7169	1000	100
XG7170	1250	89
XG7171	1500	81
XG7172	2000	70
XG7173	2500	63
XG7174	3000	58
XG7175	4000	50
XG7176	5000	46
XG7177	7500	36
XG7178	10000	31
XG7179	15000	26
XG7180	20000	20
XG7181	25000	18
Shipping weight 12 units, 18 ozs.		

TYPE B—25 WATTS			
Stock No.	Resistance in Ohms	Current Milli-amperes	Your Cost
XG7212	100	3150	
XG7213	200	353	
XG7215	300	289	
XG7216	400	250	<b>49c</b>
XG7217	500	224	
XG7218	750	182	
XG7219	800	177	
XG7221	1000	158	
XG7222	1250	141	
XG7223	1500	129	<b>49c</b>
XG7224	2000	112	
XG7226	2500	100	
XG7227	3000	91	
XG7228	3500	84	
XG7229	4000	79	<b>49c</b>
XG7230	4500	75	
XG7231	5000	71	
XG7232	6000	64	
XG7233	7000	60	<b>49c</b>
XG7235	7500	58	
XG7237	9000	53	<b>.55</b>
XG7238	10000	50	
XG7239	12000	45	<b>58c</b>
XG7240	15000	41	
XG7241	20000	35	<b>67c</b>
XG7242	25000	32	
XG7243	30000	29	<b>.73</b>
XG7244	40000	25	<b>.76</b>
XG7245	50000	22.5	<b>.82</b>
Weight 1 unit in carton, 1 oz.			
Weight 12 units in container, 13 ozs.			
Extra Sliders Each 5 cents.			
50 cents per doz.			

TYPE C—50 WATTS			
Stock No.	Resistance in Ohms	Current Milli-amperes	Your Cost
XG7246	100	700	
XG7247	200	500	
XG7248	300	406	
XG7249	400	353	<b>79c</b>
XG7250	500	316	
XG7251	750	259	
XG7253	1000	224	
XG7255	1500	182	
XG7256	2000	158	<b>79c</b>
XG7258	2500	141	
XG7259	3000	129	
XG7260	3500	119	
XG7261	4000	112	<b>79c</b>
XG7262	4500	105	
XG7263	5000	100	
XG7264	6000	91	
XG7265	7000	84	<b>87c</b>
XG7267	7500	82	
XG7269	9000	74	<b>.87</b>
XG7270	10000	71	
XG7271	12000	65	<b>96c</b>
XG7272	15000	58	
XG7273	20000	50	<b>\$1.05</b>
XG7274	25000	45	<b>1.08</b>
XG7275	30000	41	<b>1.11</b>
XG7276	40000	35	<b>1.14</b>
XG7277	50000	32	<b>1.17</b>
XG7278	60000	29	<b>1.23</b>
XG7279	80000	25	<b>1.31</b>
XG7280	100000	22.5	<b>1.47</b>
Shipping weight 1 unit, 8 ozs.			
Shipping weight 6 units, 1 lb.			

TYPE D—75 WATTS			
Stock No.	Resistance in Ohms	Current Milli-amperes	Your Cost
XG7281	100	865	
XG7282	200	610	
XG7283	300	500	
XG7284	400	432	<b>94c</b>
XG7285	500	387	
XG7286	750	316	
XG7288	1000	274	
XG7289	1250	245	
XG7290	1500	224	
XG7291	2000	194	<b>94c</b>
XG7293	2500	173	
XG7294	3000	158	
XG7296	4000	137	
XG7298	5000	122	<b>94c</b>
XG7299	6000	112	
XG7300	7000	103	<b>96c</b>
XG7302	7500	100	<b>99c</b>
XG7303	8000	97	
XG7304	9000	19	<b>.99</b>
XG7305	10000	87	
XG7306	12000	79	<b>\$1.11</b>
XG7307	15000	71	<b>\$1.26</b>
XG7308	20000	61	<b>1.31</b>
XG7309	25000	55	<b>1.31</b>
XG7310	30000	50	<b>\$1.31</b>
XG7311	40000	43	<b>1.46</b>
XG7312	50000	39	
XG7313	60000	35	
XG7314	80000	31	<b>\$1.62</b>
XG7315	100000	27	
Shipping weight per unit, 8 ozs.			

## ELECTRAD Variable Voltage Dividers



**13,000 Ohms—50 Watts**  
Has 4 sliding taps.  
XG7318—Your Cost **76c**

**25,000 Ohms—50 Watts**  
Also has 4 variable taps.  
XG7319—Your Cost **76c**

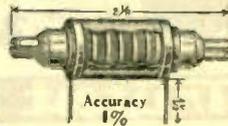
### C. T. Resistors

Small, compact and covered by a coating of moisture-proof enamel. Accuracy 1%. Sizes: 10, 15, 20, 30, 50, 75, 100 and 200 ohms.  
XG7322—Your Cost Each **15c**

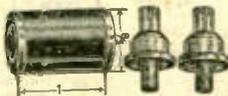
### Line Cord Resistors

XE5241—2 tube sets. 360 ohms.  
XE5242—4 tube sets using 6 volt rectifier. 310 ohms.  
XE5329—4 tube sets using a 12 volt rectifier. 280 ohms.  
XE5330—4 tube sets using a 25 volt rectifier. 200 ohms.  
XE5331—5 tube sets. 160 ohms.  
XE5332—6 tube sets. 150 ohms.  
Your Cost Each, **35c**  
Any Type

## ELECTRAD Precision Wire Wound 1 Watt Resistors



One watt precision wire wound resistors accurate to within plus or minus 1%. Each resistor individually bridge tested. Particularly suited for use as multipliers with voltmeters and other laboratory test instruments. Highest quality enameled wire insures against shorted turns and contributes to lower distributed capacity because of heavier insulation between turns. Non-inductive winding impregnated with moisture proof compound. Resistors supplied less ferrules for pigtail mounting, ferrules, extra, as priced below.



Convert the above to screw terminals. Ferrules only.  
XE5001—Your Cost, Per Pair **15c**

Stock No.	Res. Ohms	Current M.A.	Your Cost	Stock No.	Res. Ohms	Current M.A.	Your Cost
XE5002	1	1225		XE5020	25000	7.7	
XE5003	5	548		XE5021	30000	7	
XE5004	10	387		XE5022	35000	6.5	<b>73c</b>
XE5005	25	246		XE5023	40000	6.1	
XE5006	50	173		XE5024	50000	5.5	
XE5007	100	122	<b>44c</b>	XE5025	60000	5	<b>88c</b>
XE5008	150	100		XE5026	75000	4.4	
XE5009	200	86		XE5027	100000	3.8	<b>1.03</b>
XE5010	500	55		XE5028	125000	3.4	<b>1.18</b>
XE5011	1000	38	<b>47c</b>	XE5029	150000	3.1	
XE5012	2500	24	<b>50c</b>	XE5030	175000	2.9	<b>1.32</b>
XE5013	4500	18	<b>53c</b>	XE5031	200000	2.7	
XE5014	5000	17	<b>56c</b>	XE5032	225000	2.5	<b>1.47</b>
XE5015	7500	14	<b>58c</b>	XE5033	250000	2.4	<b>1.62</b>
XE5016	10000	12		XE5034	300000	2.2	
XE5017	12500	11		XE5035	400000	2.2	
XE5018	15000	10		XE5036	500000	1.5	<b>1.91</b>
XE5019	20000	8.6	<b>73c</b>	XE5037	750000	1.0	<b>2.35</b>
				XE5038	1 Meg.	.7	<b>2.94</b>

## Trutest Filament and C. T. Resistances



Center Tap Resistances Wire wound elements; dependable construction. Ratings accurate in all cases. Tapped at the electrical center. Available in the following sizes: 10, 20, 30, 40, 50, 60, 100 and 200 ohms. When ordering, state resistance desired.  
XD3999—Your Cost **8c**  
Each

## TRUTEST Filament Resistances (No Center Tap)

Similar to the above, but have no tap. Supplied in the following resistance values: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 25, 30, 40, 50, and 60 ohms. State size desired when ordering.  
XD3997—Your Cost Each **7c**  
Resistance values of 100, 200, 300, 400, 500, 600, 700, 800, 900, 1,000 and 1,500 ohms.  
XD3998—Your Cost Each **8c**

**NOTE**  
A complete listing of all types of resistances for every purpose will be found on pages 131 to 137 in Catalog No. 56.

Mail Your Orders to NEW YORK or ATLANTA

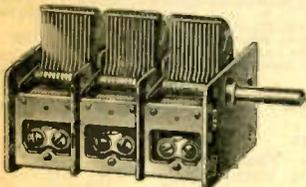
# VARIABLE CONDENSERS



# and CHOKES

## Truest

### Variable Compact S. W. and Broadcast Condensers

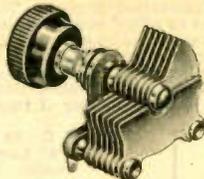


Rigid construction. Fully shielded between sections. Trimmers are rigid and maintain their settings after adjustment. Heavy aluminum plates. Ball bearing rotor. Shaft and frame of steel, cadmium plated. All units have low end plates and measure  $1\frac{1}{2} \times 3\frac{1}{4}$ ". Mounting holes provided on front, rear and bottom. Single section units have  $\frac{1}{4}$ " shafts; multiple units have  $\frac{3}{8}$ " shafts. Mounting centers spaced  $1\frac{1}{8}$ ". Bakelite insulation. Capacities increase with clockwise rotation. Average shpg. wt. 2 lbs.

Short Wave Compact Condensers (TRF)			
Stock No.	Cap.	Gangs	Your Cost
XH9716	.00015	1	\$0.72
XH9717	.00025	1	.72
XH9718	.0001	2	.95
XH9719	.00015	2	.95
Broadcast Compact Condensers (TRF)			
XH9720	.000365	1	\$0.75
XH9721	.000865	2	.88
XH9722	.000365	3	1.33
Condensers for 175 K. C. Supers			
XH9794	.000365	2	\$0.94
XH9795	.000365	3	1.36
Condensers for 456 K. C. Supers			
XH9796	.000365	2	\$1.02
XH9797	.000365	3	1.45

## Truest

### Midget Condensers

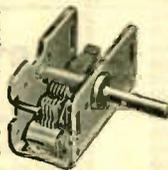


Light weight, strong and compact, smooth in operation. Low minimum capacity, low loss. Non-corrosive aluminum plates with bakelite insulation. For single hole mounting,  $\frac{1}{4}$ " shaft. Each unit comes complete

Stock No.	Cap'y	Shpg. Min.	Max.	Plates	Your Cost Each
XH9724	3	15	3		\$0.32
XH9728	4	30	5		.32
XH9729	5	40	7		.40
XH9731	6	80	11		.45
XH9727	7	100	14		.48
XH9714	8	140	20		.58

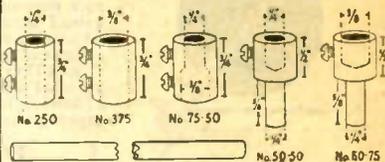
### Compact Junior Condensers for S. W. and Broadcast

Exceptionally compact yet highly efficient. Ball bearing rotors. Shaft  $\frac{1}{4}$ " diameter,  $1\frac{1}{4}$ " long. Aluminum plates, brass supports. One gang units  $1\frac{1}{2} \times 2\frac{3}{8} \times 1\frac{1}{8}$ ". special three gang condenser for either TRF or superhet short wave sets  $3\frac{1}{2} \times 2\frac{3}{8} \times 1\frac{1}{8}$ ".



Stock No.	Cap'y	Gangs	Wt. Lbs.	Your Cost
XH9762	.0001	1	1	<b>58¢</b>
XH9763	.00014	1	1	
XH9764	.00025	1	1	
XH9765	.000365	1	1	
XH9766	.00014	3	2	

### Shaft Couplings and Shaft Extenders



For mounting two or more condensers, rheostats, switches, etc. in tandem. Extenders for lengthening shafts of same. All accurately machined to the exact size as specified. 6-32 machine screws used on all couplers and extenders. Shafting, both fibre and brass, are full length and are straight.

XP15000	$\frac{1}{4}$ " shaft coupling.	Your Cost Each	<b>10¢</b>
XP15001	$\frac{3}{8}$ " shaft coupling.	10 for	90c
XP15002	$\frac{1}{2}$ " shaft coupling.	Your Cost	<b>10¢</b>
XP15003	$\frac{3}{8}$ " shaft extender.	Your Cost	<b>17¢</b>
XP15004	$\frac{1}{2}$ " shaft extender.	Your Cost	<b>17¢</b>
XP15005	$\frac{3}{8}$ " shaft extender (not illustrated).	Your Cost	<b>24¢</b>
XP15010	6" lgth. brass shafting.	Your Cost	<b>10¢</b>
XP15011	6" lgth. fibre shafting.	Your Cost	<b>17¢</b>
XP15012	12" lgth. brass shafting.	Your Cost	<b>17¢</b>
XP15013	12" lgth. fibre shafting.	Your Cost	<b>24¢</b>

### Insulated Shaft Couplings

XP15014	$\frac{1}{4}$ " shaft coupling.	Your Cost	<b>10¢</b>
XP15017	$\frac{1}{2}$ " reducer.		
XP15018	$\frac{3}{8}$ " reducer.		
XP15019	10 for	Your Cost	95c

### NATIONAL Short Wave R. F. Choke



For use in receivers and low power transmitters. Wound in four sections, on Isolantite form. Inductance  $2\frac{1}{2}$  M. H.; D. C. resistance 50 ohms; distributed capacity 1 mmfd.; rating 125 M. A.

XN14429—List 75c  
Your Cost **45¢**

### COLUMBIA R. F. Choke



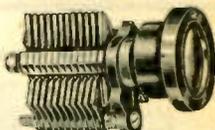
Especially designed for the Screen Grid 8 receiver.  
XH10145—Your Cost Each **39¢**

### Cushion Mounts



For mounting variable condensers and power transformers to give "floating" effect.  
XP15261—Per Set of 4 **15¢**

### FEDERAL Midget Condensers

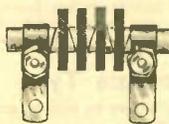


For use as vernier or regeneration controls, antenna couplings, etc. Bakelite frames and brass plates. Depth behind panel 1" to  $1\frac{1}{4}$ ", depending on capacity.  $\frac{1}{4}$ " shaft.

Stock No.	Cap. Mmfd.	Your Cost Each
XH10204	15	<b>49¢</b>
XH10205	25	
XH10206	50	.54
XH10207	100	.59
XH10229	160	.65

## Truest R.F. CHOKES

### Pie-Wound "Hi-Freq" R. F. Chokes



These chokes are especially designed for use in all types of high frequency receivers and in low power transmitters. Consist of a continuous four pie winding on a genuine Ceramic spool. Extremely low distributed capacity. Heavy strap leads permit numerous ways of mounting.

Stock No.	M. H.	Your Cost
XH10142	2.5	\$0.35
XH10143	5.5	.39
XH10144	10	.45
XH10149	60	.59

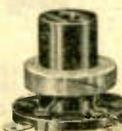
### "Crolite" R. F. Chokes

Wound on a new and highly efficient insulating material known as Crolite. Extremely low distributed capacity. Can be mounted in many positions without the need for shielding. Solder lug terminals.  
XH10138—2.5 Millihen. **29¢**  
Your Cost Each  
XH10139—5 Millihen. **30¢**  
Your Cost Each  
XH10140—10 Millihen. **36¢**  
Your Cost Each  
XH10141—25 Millihen. **42¢**  
Your Cost Each



### Mounted Chokes

Lattice wound on bakelite bobbins and provided with soldering lugs. Extremely low distributed capacity. In sizes shown below.  
XH10104—6 Millihen. **29¢**  
Your Cost Each  
XH10105—2.2 Millihen. **17¢**  
Your Cost Each  
XH10102—5.5 Millihen. **29¢**  
Your Cost Each



### Midget Trimmers

Extremely compact trimmers mounted on bakelite strips. Ideal for use in short wave sets. Have solder lug terminals. Capacity range from 3 to 30 mmfd.  
XH19775—Each **10¢**



### Dual Trimmers

Similar to the above, but two trimmers mounted on single bakelite strip. Range 3-30 mmfd. each trimmer.  
XH9776—Your Cost Each **17¢**

### Isolantite "Padders"

Highly efficient due to their extremely low loss characteristics. Minimum capacities very low, tuning range wide. Mounted on isolantite vases.

Stock Nos.	Range	Your Cost		
Single	Dual	Single	Dual	
XH9767	XH9771	7-80	\$0.16	\$0.38
XH9768	XH9772	27-180	.25	.45
XH9769	XH9773	58-325	.27	.47
XH9770	XH9774	94-419	.30	.50

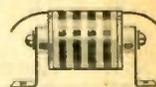


### Chokes

Lattice wound on wooden spools and accurately rated. Solder lug terminals. Used in all radio receivers.  
XH10100—8 Millihenries **22¢**  
Your Cost Each  
XH10101—16 Millihenries **29¢**  
Your Cost Each

### HAMMARLUND

### Isolantite Radio Frequency Choke



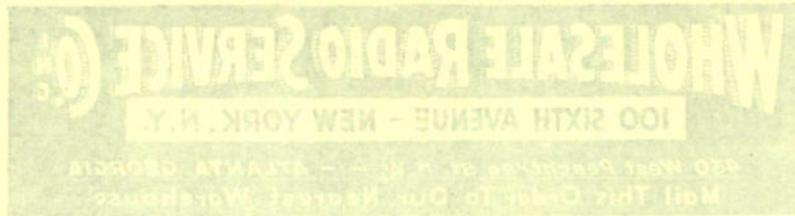
Designed for receivers and low power transmitters. Inductance 8 millihenries; D. C. resistance 70 ohms; distributed capacity 3 mmfd. Maximum current 125 mls. Size  $1\frac{1}{2} \times \frac{3}{4}$ ".  
XH8524—Your Cost **65¢**

### Shielded R. F. Choke



In aluminum shell, size  $1\frac{1}{2} \times 1\frac{1}{4}$ ". Connections on side. Inductance 10 M.H.; D. C. resistance 65 ohms; maximum current 100 mls.  
XH8523—Your Cost **59¢**





**PARCEL POST RATES FOR VARIOUS ZONES**

SEE CATALOGUE FOR PARCEL POST ZONE IN WHICH YOU ARE LOCATED

Parcels up to 8 oz. may be shipped anywhere in U. S. A. for 1½c for each 2 oz.

RATES FOR PARCELS OVER 8 OUNCES AS FOLLOWS:— NOTE ZONE NUMBERS

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

RATES SUBJECT TO CHANGE BY U. S. POSTAL AUTHORITIES

**INSURANCE**

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

When value of parcel is up to	\$5.00	Charge is	5 cents
" " " " " between	5.00 & 25.00	" "	10 "
" " " " " "	25.00 & 50.00	" "	15 "
" " " " " "	50.00 & 100.00	" "	25 "
After \$100.00 value the charge for each \$50.00 additional is 5 cents extra			

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

Parcel post shipments to all zones must not exceed 70 pounds. The limit of size on all parcel post packages is one hundred inches in length and girth combined. Example: a package 35 inches long, 10 inches wide and 5 inches high, measures 65 inches in length and girth combined. (Length 35 inches, plus 2 x 10 inches width, plus 2 x 5 inches height, equals 65 inches).

**C. O. D. SHIPMENTS**

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

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

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





# DIALS

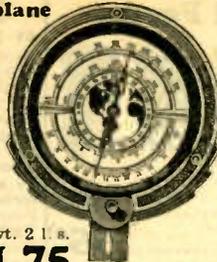
## New Airplane Dial For All Wave Sets

Improved type. Affords a ratio of 6 to 1 in 180°. Two scales on a translucent dial; upper scale calibrated from 0 to 100 and lower scale from 100 to 0. Knife edge pointer covers entire scale. Diameter of scale 3 1/4". Scale protected by convex glass. Comes with escutcheon plate. Shpg. wt. 1 lb. **XH9800**—1/2" Shaft. **XH9802**—3/4" Shaft. **Your Cost, Either Type... \$1.10**



## CROWE Airplane Dial

Calibrated for 4 bands; 550-1500 KC, 1500-4000 KC, 4-10 MC, 9-23 M.C. Bronze Escutcheon 4 1/2" diam. Scale diam. 4". For 1/2 or 3/4" shaft. Knob shaft 1 or 1/2". Ratio 7:1 over 180°. Shpg. wt. 2 1/2 lbs. **XH9879**—**\$1.75**  
**Your Cost... \$1.75**



## Midget Airplane Dial

3" dial. Ratio 7:1 in 180°. Pointer and condenser travel in opposite directions. Glass face. Shaft for 1/2" knob. No backlash. Provided with 3/8" bronze bezel. Shpg. wt. 1 lb. **XH9884**—**\$1.49**  
**Your Cost Each... \$1.49**



## Special Airplane Dial

Full vision type. Ratio 6:1 in 270°. Has 2 1/4" dial protected by glass lens. Black figures, metal arrow pointer. Lower scale graduated in KC, upper scale from 0 to 10. Comes with pilot light socket and 3/4" bezel. Mounts on 1/2" condenser shaft. Shpg. wt. 1 lb. **XH9912**—**79¢**  
**Your Cost... 79¢**



## Kurtz-Kasch Dials

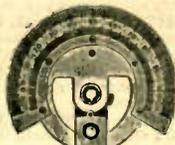
Made of molded Bakelite. Requires only one hole for condenser shaft and two small holes to secure dial to panel. Dial ratio 8 to 1. No back-lash. Fits 1/2" shaft. Shpg. wt. 1 lb.



Stock No.	Range	Size	Your Cost Each
XH9803	200-0	4 1/2"	<b>47¢</b>
XH9804	0-200	4 1/2"	<b>47¢</b>
XH9805	100-0-100	4 1/2"	<b>50.45</b>
XH9806	0-100-0	2 1/2"	<b>.40</b>

## Fan Type Dial

Outside diameter dial 4". For 3/8" shaft. Celluloid scale. 0-100 clockwise. Has pilot light socket. Escutcheon plate 2 3/4" high, 2 3/4" wide. Shpg. wt. 1 1/2 lbs. **XH9813**—Dial only. **Each... 45¢**  
**XH9814**—Escutcheon Plate, Extra. **Each... 12¢**



## Thutest

Pilot Light Bracket Pilot bulb lights attractive jewel. Specify green, red, or amber. **XF6436**—**16¢**  
**Your Cost Each... 16¢**



## Knobs for Midget Radio Receivers

Designed for use on A.C.-D.C. midget receivers. All have holes for 1/4" shafts.

- No. 148 Pointer knob. 1" diam. **XH9931**—Each... **6¢**  
12 for \$0.65
- No. 246—Knob with Indicating dot. 1 1/4" diam. **XH9932**—Each... **5¢**  
12 for \$0.55
- No. 137—Octagon flat top. 1 1/4" diam. **XH9888**—Each... **7¢**  
12 for \$0.75
- No. 98—1 1/4", 2-Tone. **XH9891**—Each... **7¢**  
12 for \$0.75
- No. 101—Same as above, but 1". **XH9892**—Each... **6¢**
- No. 17—1 1/4", Arrow Pointer **XH9885**—Each... **5¢**  
12 for \$0.48
- No. 18—Same as above, but 1 1/2". **XH9886**—Each... **8¢**  
12 for \$0.85

## New "Band Spread" Airplane Dial



### Airplane Dial

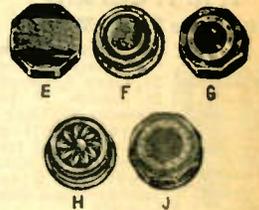
No finer dial could be desired for short wave receivers—has both a dual pointer and a "second hand". The "second hand" or "band spread" ratio is 36:1. Making all critical adjustments simple for anyone. In addition to the band spread feature it also has a two speed control so that the dial to condenser ratio is normal 24:1, slow speed 125:1. Diam. 3 1/4". For 3/4" shaft. 2 pilot light sockets. Bronze escutcheon plate and double knob. Shpg. wt. 1 1/2 lbs. **XN14221**—**\$2.95**  
**Your Cost... \$2.95**

## Airplane Dials

Positive friction drive—no backlash. 2 pilot bulb sockets. Bronze finishes—cutcheon. For 3/8" shaft. 1/2" knob shaft. Brown figures on buff colored dial. Black double ended pointer. Shpg. wt. 1 1/4 lbs. **XN14150**—Diameter 2 1/2", ratio 6 1/2:1 **Your Cost... 95¢**  
**XN14151**—Diameter 3 1/4", ratio 8 1/2:1 **Your Cost... \$1.10**  
**XN14152**—Diameter 3 1/4", ratio 10:1 **Your Cost... \$1.25**  
**XN14153**—Diameter 4 1/4", ratio 12:1 **Your Cost... \$1.49**



## Wood Radio Knobs



A selection of beautiful wood knobs for use with all types of radio receivers. Type J is black with a chromium inlay. Types E and G are two-toned wood. Brass inserts assure perfect alignment. Steel set screws grip firmly. All for 1/4" shafts. Shpg. wt. per dozen 1 lb.

Type	Medium 1 1/4"	Small 3/4"
E	<b>XH9942</b>	<b>XH9947</b>
F	<b>XH9943</b>	<b>XH9948</b>
G	<b>XH9946</b>	<b>XH9951</b>
H	<b>XX9945</b>	<b>XH9950</b>
J	<b>XH9944</b>	<b>XH9949</b>

Medium 1 1/4" Knobs. **Your Cost Each... 9¢**  
Per Dozen... \$0.95  
Small 3/4" Knobs. **Your Cost Each... 9¢**  
Per Dozen... \$0.95

## Bakelite Analyzer Knobs

- XM13055**—Type A. 2 1/4" long. 3/8" Skirt. **10¢**
- XM13056**—Type B. 1 3/4" long. 3/8" Skirt. **7¢**
- XM13054**—Type B. 1 1/4" long. 3/8" Skirt. **9¢**



## Genuine G. E. Mazda Pilot Bulbs

Used for radio dial lamps, indicators, etc. Standard carton contains 10 bulbs. Shpg. wt. 8 oz., per box of 10.

Stock No.	Volts	Amps.	PKGE.	Your Cost
<b>XL12250</b>	2.5	0.50	OF	<b>53¢</b>
<b>XL12251</b>	3.2	0.45	OF	
<b>XL12252</b>	6.3	0.50	10	

## SPECIAL AIR CELL BULB

Tubular bulb, miniature base. 2 volts, 0.06 amps. Has lowest current drain of any bulb. **XL12274**—10 for \$1.75  
**Your Cost Each... 20¢**

## VICTOR-MAZDA Pilot Bulb

Intermediate base, frosted bulb. 110 volts. Designed for use in Colonial, Victor, and other receivers. **XL12253**—Carton of Ten, \$1.65  
**Your Cost Each... 17¢**

## Drive Cables Bands & Belts

Any dial cable, belt or band not listed can be obtained on order.

Make of Set	Model	Stock No.	Net
Atwater Kent	35, 37	<b>XH9822</b>	<b>\$0.17</b>
Atwater Kent	46	<b>XH9823</b>	<b>.18</b>
Atwater Kent	46	<b>XH9920</b>	<b>.30</b>
Bosch	48A	<b>XH9826</b>	<b>.17</b>
Bosch	58, 60	<b>XH9828</b>	<b>.17</b>
Brunswick	15, 22 Front	<b>XH9921</b>	<b>.25</b>
Brunswick	15, 22 Rear	<b>XH9922</b>	<b>.25</b>
Brunswick	14, 21	<b>XH9832</b>	<b>.15</b>
Colonial	31, 32	<b>XH9833</b>	<b>.25</b>
General Motors	All	<b>XH9923</b>	<b>.25</b>
Kolster*	6J	<b>XH9844</b>	<b>.24</b>

## Dial Drive Cable

Best quality cable. Sixteen strands phosphor bronze wire braided to standard diameter. very strong. **XH9881**—100 ft. Spool **65¢**  
**Your Cost... 65¢**  
Per Foot, Your Cost... 1¢

## Drive Drum Linen Cord

Finest black linen braided cord. Breaking strength 200 lbs. per ft. Shpg. wt. 1 lb. **XH9882**—100 ft. Spool **\$3.95**  
**Your Cost... \$3.95**  
Per Foot, Your Cost... 5¢

## For all Radio Sets

Model	Stock No.	Net
Kolster	43, 44	<b>XH9845</b> \$0.35
Majestic No. 1	70, 71, 72	<b>XH9847</b> .13
Majestic No. 2	70, 71, 72	<b>XH9848</b> .09
Majestic 15B, Lazyboy		<b>XH9924</b> .29
Majestic	52, 60	<b>XH9925</b> .15
Philco	71	<b>XH9927</b> .15
Philco	91	<b>XH9928</b> .15
RCA	46, 64, 67	<b>XH9852</b> .18
RCA†	16, 17, 18, 33	<b>XH9853</b> .12
Sparton	All	<b>XH9854</b> .20
Steinitz	All	<b>XH9855</b> .20

\*Heavy cord with beads on ends; springs.  
†Linen cord.

**We Will Not Knowingly Be Undersold**

# Truest COILS for Every Purpose

## Small Eared Coils and Forms

New small short wave coils wound on bakelite forms equipped with ears for handling. Three H. F. coils are spaced wound, two being wound with enameled wire. Each coil individually color coded. Ranges: 10-21; 20-41; 40-81; and 80-200 meters with .00014 mfd. condenser. 4 coils to set.



- XH10040—Set of 4 coils. **Your Cost** ..... **87¢**
- Two broadcast coils—185 to 565 meters. XH10041—Your Cost ..... **55¢**
- Ultra short-wave coil—9.5 to 21 meters. XH10039—Your Cost ..... **35¢**
- 4 coils similar to above but with 6 prongs and having primary, secondary and tickler windings. XH10042—Set of four. **Your Cost** ..... **\$1.35**
- Two broadcast coils, similar to XH10041, but having three windings like above. XH10043—Set of two. **Your Cost** ..... **87¢**
- Ultra short-wave coil—9.5 to 21 meters, similar to XH10039, but with three windings. XH10044—Your Cost, Each ..... **40¢**

Coil Forms only, similar to above, but no winding. XH10060—4 prong XH10061—5 prong XH10062—6 prong **Your Cost Each, Any Type** ..... **11¢**

## Bakelite Ribbed Coils and Forms

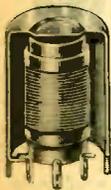
At lowest prices ever offered. Wound on special Low Loss bakelite forms which have extended ribs moulded on them, making the windings about 90% air core, and greatly increasing their efficiency. High frequency coils space wound to permit better tuning. Wave range printed on card and protected by a celluloid cover fits into patented feature on top of coil form. Four coils cover from 15 to 200 meters with a .00015 condenser. Four coils, 4-prong base, 15 to 200 meters.



- XH9982—Your Cost, Set of Four ..... **\$1.05**
- Two coils, like above, to cover the broadcast range 185 to 565 meters on .00015 condenser. XH9983—Your Cost, Set of Two ..... **95¢**
- Ultra short-wave coil, 9.5 to 21 meters. 4-prong. XH9984—Your Cost, Each ..... **40¢**
- Four coils, 6-prong base, similar to XH9982, but having primary, secondary and tickler windings. XH9985—Your Cost, Set of Four ..... **\$1.50**
- Two broadcast coils, similar to XH9983, but having three windings like above. XH9986—Your Cost, Set of Two ..... **\$1.10**
- Ultra short-wave coil, 9.5 to 21 meters, similar to XH9984, but with three windings. 6-prong base. XH9987—Your Cost, Each ..... **50¢**
- Ribbed coil forms only, similar to the above, but no winding. XH9988—4 prong **Your Cost, Each** ..... **15¢**
- XH9989—5 prong **Your Cost, Each** ..... **16¢**
- XH9990—6 prong **Your Cost, Each** ..... **16¢**

Truest coils are all precision wound with the highest degree of accuracy. They are used extensively by set builders and experimenters in constructing all types of broadcast, short-wave and long wave receivers.

## T. R. F. Coil Kits Litz Wire Bank Wound



Litz wire coils on 1/4" diameter forms 2 1/2" long. Mounted in shields 1" in diameter, 2 1/2" long. Have mounting lugs. Designed for use with .00036 mfd. condenser. Blue print furnished with each kit.

- 2 Coils: 1-Antenna, 1-R.F. XH10045—Your Cost ..... **93¢**
- 3 Coils: 1-Antenna, 2-R.F. XH10046—Your Cost ..... **\$1.40**
- 4 Coils: 1-Antenna, 3-R.F. XH10047—Your Cost ..... **\$1.85**
- XH10089—Antenna Coil only. XH10090—R.F. Coil only. **Your Cost Each, Either Type** ..... **47¢**

## "Ultra High Gain" I. F. Transformer

Primary and secondary wound in four sections. Selectivity rated at 10000 times 80 K.C. Employs 2 in 1 isolantite base trimmer, top tuning. In round aluminum can, 4 x 1 1/4". Peaked at 456 K. C. Shpg. wt. 1 lb. XH9969—**\$1.75** **Your Cost**



## NATIONAL 5 Meter Coil

Heavy copper air spaced winding. Steatite base. For 6 meter transmitters and receivers. XN1449—XR-9 complete. **27¢** **Your Cost**

## 5 Meter Interruptor Frequency Coil

For all 5 meter sets. XN14321—**55¢** **Your Cost, Each**

## Truest Band Spread Coils



Provided with adjustable band setting condensers mounted on top of each coil. For use with 140 or 150 mfd. tuning condenser. Forms have 6-prong bases. Available for 20, 40, 80 and 160 meter Amateur bands and for 19, 25, 31 and 49 meter B.C. bands.

Stock No.	Meter Band	Stock No.	Meter Band
XH9973	19	XH9977	40
XH9974	20	XH9978	49
XH9975	25	XH9979	80
XH9976	31	XH9980	160

**Your Cost Each, Any Type** ..... **50¢**

## Truest Tube Base

### S. W. Coils

Although midjet in size, they are efficient in operation. Have 4-prong bases. Shpg. wt. 1 lb. XH9981—Set of four coils, 15 to 200 meters. **Your Cost, Special** ..... **45¢**



## Truest High Gain I. F. Transformers

### Midget Coils

175 K. C. units single silk enameled wire wound; 456 K. C. units Litz wire wound. Employs 2-in-1 isolantite base trimmer. Two bronze springs hold entire unit in the shield. Can size 1 1/2 x 2 1/2" high. Shpg. wt. 8 oz. XH10021—175 K. C. XH10022—456 K. C. **Your Cost, Either Type** ..... **80¢**

Similar to the above, but with tapped secondary for Wunderlich 55, 75, 6B7, 2B7, etc. tubes. XH10023—175 K. C. XH10024—456 K. C. **Your Cost, Either Type** ..... **85¢**

## Truest Shielded R.F. Coils



These coils are used as standard equipment by a large number of set manufacturers. Exceptionally high gain is provided. Very sensitive. .00035 condenser. Ant. coil: primary 14 turns No. 28 D.C.C.; Secondary 130 turns No. 30 enamel. R.F. coil: primary 33 turns No. 31 D.C.C.; secondary 130 turns No. 30 enamel. Mounted in shield cans 2 1/2 x 2 1/4" high. Shpg. wt. 8 oz.

- XH10087—Set of 2 R.F. and 1 Ant. **Your Cost** ..... **85¢**
- XH10088—Set of 3 R.F. and 1 Ant. **Your Cost** ..... **\$1.10**
- XH10019—Ant. Coil only. XH10020—R.F. Coil only. **Your Cost, Either Type** ..... **29¢**

## "Square Can" Units

175 K. C. units single silk enameled wire wound; 456 K. C. units Litz wire wound. Has 2-in-1 isolantite base trimmer. Housed in square aluminum can, 2" square, 3" high. Long leads for direct wiring. Shpg. wt. 8 oz. XH10075—175 K. C. XH9709—456 K. C. **Your Cost, Either Type** ..... **80¢**

Similar to the above, but with center tapped secondary for Wunderlich 55, 75, 6B7, 2B7, etc. tubes. XH10114—175 K. C. XH9713—456 K. C. **Your Cost, Either Type** ..... **85¢**

## Oscillator Coil for 2A7 or 6A7 Tubes

A precision wound oscillator coil, thoroughly impregnated and housed in a metal shield. For 175 K. C. I. F. Made to track with a 1000 mfd. padding condenser and .000365 variable condenser. Size 1 1/2" x 1 1/4". Shpg. wt. 8 oz. XH10029—**59¢** **Your Cost, Each**



Similar to the above, but for 456 K. C. I. F. Made to track with a 500 mfd. padding condenser and .000365 variable condenser. Shpg. wt. 8 oz. XH10031—**59¢** **Your Cost, Each**

## Shielded Pre-Selector Coil

A high-gain band-pass unit shielded in aluminum can 2" square, 3" high. Litz wound secondary. On special treated base. Extremely sensitive. Solder lug contacts at base. Shpg. wt. 8 oz. XH10072—**87¢** **Your Cost**



## Composite Oscillator Detector I.F.—175 K. C.

High grade composite coil used as the first detector, oscillator and first I.F. transformer. Eliminates the use of one tube. Top tuning. Factory peaked at 175 K. C. No padding necessary as it is made for the special tracking oscillator section of variable condensers of .00036 mfd. in square aluminum can 3" x 2" square. Shpg. wt. 3 lbs. XH9997—**\$1.25** **Your Cost, Each**



# Switches and Sockets

## Bakelite Combination Base or Panel Mount Sockets

Constructed of moulded black bakelite and provided with genuine phosphor bronze contacts. Top is grooved for tube guide.

Stock No.	Prongs	Your Cost
XM13090	4	\$0.13
XM13091	5	.14
XM13092	6	.15
XM13093	7, small	.20
XM13094	7, large	.20

## Combination Sockets

Ideal for use in tube testers, analyzers and other test instruments. Moulded bakelite forms.

**XM13095**—Combination 4, 5, and 6-prong.  
**Your Cost Each**..... **25¢**

**XM13096**—Combination 5, 6, and small 7-prong.  
**Your Cost Each**..... **25¢**



## Base Mount Sockets

Constructed of moulded black bakelite. Have grooved tops for easy tube insertion. Mount easily and securely by means of a single screw through center hole. Ideal for test instruments and midget receivers.

Stock No.	Prongs	Your Cost
XM13166	4	\$0.12
XM13167	5	.12
XM13168	6	.14
XM13169	7, large	.15
XM13170	7, small	.15

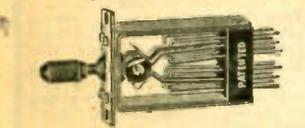
## New Clip-Tite Bakelite Sockets

A new type sturdy socket made of moulded bakelite. Has long contacts which grip tube pins firmly. Socket mounts in special adapter plate and is held in place by a locking ring. Slotted mounting holes permit replacing of any socket having from 1/2 to 2-inch mounting centers.

Stock No.	Prongs	Stock No.	Prongs
XM13057	4	XM13060	7, large
XM13058	5	XM13061	7, small
XM13059	6		

**Your Cost Each**..... **7¢**  
**Per Doz.**..... **77¢**

## FEDERAL Anti-Capacity Switches



Most efficient type of switch made for radio or amplifier use. Minimum capacity between circuits. Positive wiping contact through silver plated phosphor bronze springs. Suitable for radio-phone change over switches on amplifier control panels.

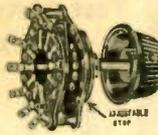
**XM12850**—4 P.D.T. **\$1.90**  
**Your Cost**

**XM12851**—D.P.D.T. **\$1.65**  
**Your Cost**

**XM12852**—D.P.S.T. **\$1.65**  
**Your Cost**

## New! YAXLEY Gang Switches

These new gang switches are far superior to any other on the market now. Contact members are heavily silver plated, and given a smooth hard finish. Contact shoe, of the self-cleaning type is of pure silver. All switches are provided with one permanent stop and one adjustable stop, thus a single switch may be used as a 2, 3, 4, 5, 6 (up to 11), point switch by simply adjusting the stop on front of switch to number of points required. Bushings 3/8" and extend 3/8". Bakelite knob supplied. These switches are suitable for use either in radio receivers or test instruments. Dials and extension shafts are listed on page 137.



SHORTING TYPE		NON-SHORTING TYPE		Your Cost Each
XF6247	XF6263	1 Circuit. 1 to 6 points.....		\$0.59
XF6248	XF6264	1 Circuit. 1 to 11 points.....		.68
XF6249	XF6265	2 Circuit. 1 to 5 points each.....		.73
XF6250	XF6266	3 Circuit. 1 to 3 points each.....		.79
XF6251	XF6267	4 Circuit. 1 to 2 points each.....		.85

TWO GANG SWITCHES		Your Cost Each	
XF6252	XF6268	2 Circuit. 1 to 6 points each.....	.91
XF6253	XF6269	2 Circuit. 1 to 11 points each.....	1.03
XF6254	XF6270	4 Circuit. 1 to 5 points each.....	1.18
XF6255	XF6271	6 Circuit. 1 to 3 points each.....	1.23
XF6256	XF6272	8 Circuit. 1 to 2 points each.....	1.32

THREE GANG SWITCHES		Your Cost Each	
XF6257	XF6273	3 Circuit. 1 to 6 points each.....	1.30
XF6258	XF6274	3 Circuit. 1 to 11 points each.....	1.38
XF6259	XF6275	6 Circuit. 1 to 5 points each.....	1.47

FOUR GANG SWITCHES		Your Cost Each	
XF6260	XF6276	4 Circuit. 1 to 6 points each.....	1.62
XF6261	XF6277	4 Circuit. 1 to 11 points each.....	1.76
XF6262	XF6278	8 Circuit. 1 to 5 points each.....	2.06

## ISOTEX Sockets



For use in all high and ultra-high gain circuits. Top and sides are glazed. Re-enforced spring contact. Size 2 1/4 x 1 1/8"; mounting centers 1 3/4".

**XM13064**—4-prong. **25¢**  
**Your Cost Each**

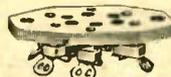
**XM13065**—5-prong. **27¢**  
**Your Cost Each**

**XM13066**—6-prong. **30¢**  
**Your Cost Each**

**XM13067**—7-prong. **32¢**  
**Your Cost Each**

## HAMMARLUND Isolantite Sockets

Finest grade. Low loss. Glazed top and sides, rust proof side gripping contacts. Sub-panel or base mounting. 2 1/4" long by 1 1/8" wide.



**XH8496**—4-prong. **35¢**  
**Your Cost Each**

**XH8497**—5-prong.

**XH8498**—6-prong.

**XH8499**—7-prong, large

**XH8530**—7-prong, small

## Acorn Tube Sockets For 955 Tubes



Of genuine LDS Micalex. 1 1/4" square.

**XM13171** With Clips **58¢**  
**Your Cost Each**

**XM13172** Without Clips **53¢**  
**Your Cost Each**



## CUTLER-HAMMER Switches

Nickel-plated toggle switches. 3 Amps., 125 volts. Single Pole, Single Throw.

**XM12836**—1/2" Shaft. **15¢**  
**Your Cost Each**

Per Doz. \$1.70

**XM12835**—1" Shaft. **18¢**  
**Your Cost Each**

Per Doz. \$2.00

Single Pole—Double Throw.

**XM12834**—1/2" Shaft. **19¢**  
**Your Cost Each**

Per Doz. \$2.10



**Rotary Switch**

3 Amp. 125 volt switch with 1 1/2" shaft. For standard knob. Suitable for 110 volts A.C.

**XM12838** **16¢**  
**Your Cost Each**

Per Doz. \$1.75

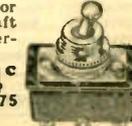


## D. P. D. T. Toggle

A suitable switch for meter panels. Shaft 1 1/2" long. Underwriters approval.

**XM12833** **34¢**  
**Your Cost Each**

Per Doz. \$3.75



## D. P. S. T.

Similar to the above, but 4 lugs.

**XM12817**—Per Doz. **\$3.25**  
**Your Cost Each**..... **29¢**

## Off-On Switch Plate

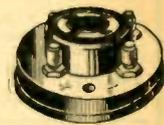
**XM12818**—Per Doz. **20¢**  
**Your Cost Each**..... **2¢**



## NA-ALD Bakelite Tube Sockets

### BASE MOUNT TYPES

Designed for bread board mounting and for Laboratory use. Made of bakelite, with NA-ALD special contact springs. Fitted with binding posts at the terminals of the socket. All connections marked. Makes a neat appearing job.



Stock No.	Prongs	Your Cost Each
XX11692	4	<b>12¢</b>
XX11693	5	
XX11694	6	
XX11695	7S	
XX11696	7L	

## COMPOSITE SOCKETS



Moulded bakelite. Eared type. 1 1/4". Mounting centers. Saves space.

**XX11619**—No. 456. For 4, 5 and 6-prong tubes. Filament circuits common.

**XX11634**—No. 477. For small and large 7-prong tubes.

**XX11635**—No. 457. For 5 and large 7-prong tubes. Eight contacts.

**XX11523**—No. 567A. For 5, 6 and small 7-prong tubes.

**Your Cost Each**..... **29¢**  
**Any Type**.....

## 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. State marking desired.

**XM13070**—4-prong, plain or 2A3, 5Z3, 230, 231, 232, 245, 250, 171A, 280, 281, 82, 83. **5¢**  
**Your Cost Each**

In lots of 12 for..... **\$0.50**

**XM13078**—5-prong, plain, or 6A4, 224, 227, 239, 235, 236, 237, 238, 239, 43, 46, 247, 56. **5¢**  
**Your Cost Each**

In lots of 12 for..... **\$0.50**

**XM13071**—6-prong, plain or 1A6, 2A5, 2A6, 252S, 41, 42, 48, 55, 57, 58, 75, 77, 78, 79, 85, 89. **5¢**  
**Your Cost Each**

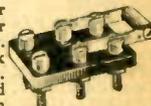
In lots of 12 for..... **\$0.55**

**XM13069**—7-prong, small and large, in plain or 2A7, 2B7, 6A7, 6B7, 6F7, 53, 59. **5¢**  
**Your Cost Each**

In lots of 12 for..... **\$0.55**

## MUTER Midget Knife Throw Switches

Adapted for either base or panel mounting. Have black bakelite bases. Highly nickeled brass parts with insulated handles. Single pole types 1 1/4" long and 1/2" wide; double pole 1 1/4" long and 1 wide.



<b>XR16842</b> —S.P.S.T. <b>9¢</b> <b>Your Cost Each</b>
<b>XR16843</b> —S.P.D.T. <b>16¢</b> <b>Your Cost Each</b>
<b>XR16844</b> —D.P.D.T. <b>25¢</b> <b>Your Cost Each</b>



# Set Builders Accessories

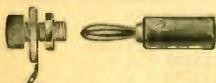


The insulation on the various items listed below is available in the following attractive colors: Red, Black, Blue, Green, Purple or Yellow. When ordering state color desired.

## Laboratory Test Prods

Solderless, needlepoint test prods. Colored insulation. Two handle lengths—4" and 7".  
XM12881—4" ..... **15¢**  
Your Cost Each .....  
XM12884—7" ..... **18¢**  
Your Cost Each .....

## Insulated Banana Plugs and Jacks



Insulated shoulders and screw ends for solderless connections. Heavy brass nickel plated springs. Jacks have insulated caps and are provided with washer, soldering lug and nut. Fit 1/4" hole. Specify color desired.

XM12915—Insulated Banana Plugs.  
XM12916—Insulated Banana Jacks.  
Your Cost Each, ..... **6¢**  
Either Type .....  
Per 10 ..... 49¢

## Insulated Tip Jacks

Have new type springs which provide sure grip contact. Tip nests all the way in jack. Mounts in 1/4" hole. Caps lessen danger of shorting. All sizes. Per Dozen, \$0.55  
XM12879— ..... **5¢**  
Your Cost Each .....

## Combination Jack

New type, takes both phone tips and banana plugs. Fully insulated. Colors available as above. 1 1/4" long. Insulated washer furnished.  
XM12925 ..... **8¢**  
Your Cost Each .....

## Lug Terminal Strips



For use on radio set chassis, dynamic speakers, for holding voltage divider resistors, bias resistors and grid leaks. Lugs mounted on bakelite strips, and are tinned.

Stock No.	No. of Lugs	Your Cost Each	10 For
XM13133	2	\$0.04	\$0.35
XM13134	3	.04	.35
XM13135	4	.06	.55
XM13136	5	.06	.55
XM13137	6	.08	.70

## Insulated Grommets



For insulating holes in chassis, etc., for power line cords, grid leads, etc. Red or Black.  
XP14887—1/4" h., 3/8" d., 3/8" l.  
Your Cost ..... **4 1/2¢**

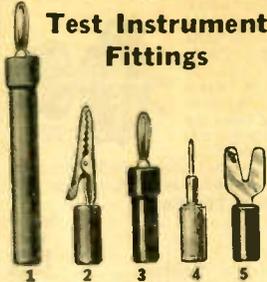
XP14889—1/4" h., 3/8" d., 1/2" l.  
Your Cost ..... **5¢**  
XP14890—1/2" h., 3/8" d., 1/2" l.  
Your Cost, Either Size ..... **6¢**

## Regular Type



Nickel Plated Brass.  
XP14881—Your Cost, ..... **4¢**  
Per Dozen .....  
Per 100 ..... 36¢

## Test Instrument Fittings



These fine quality fittings add immeasurably to the attractiveness of your test instruments, etc. The bright colors provide an easy means of terminal identification.

1. 4" Test Prod with banana plug tip. XM12910—Your Cost ..... **15¢**
2. Insulated Alligator Clip to fit test prod or any banana plug. XM12911—Your Cost Each ..... **8¢**
3. Short Test Prod, 2 1/4" long. XM12912—Your Cost Each ..... **12¢**
4. Insulated needle point phone tip plug to fit test prods. XM12913—Your Cost ..... **6¢**
5. Insulated Plug with tapered lug. XM12914—Your Cost ..... **6¢**

## Sr. Insulated Plug

A positive contact plug of the solderless type fits all standard tip jacks. Used for test leads on meters, analyzers, etc. Specify color desired. 1 1/4" L. Per Dz. 55¢.  
XM12973— ..... **5¢**  
Your Cost Each .....

## Jr. Insulated Plug

Similar to the above but only 1 1/8" long. All colors. Per Dozen, \$0.55  
XM12974— ..... **5¢**  
Your Cost Each .....

## EBY Twin Jacks

Bakelite moulded strip for standard phone tips. Mounting hole centers 1 1/4".

XM13030—Phono. Your Cost Each, ..... **4¢**  
XM13031—Speaker. Your Cost Each, .....  
Either Type .....  
Per Dozen ..... 45¢

## Triple Tip Jacks

Three brass shells mounted on 1/2" high-grade bakelite plate. The cord tips locate center of opening naturally. Shells have two contact springs. Supplied plain, no marking.  
XM13036—Your Cost Each ..... **8¢**

All metal tip lug for tip jack use. Solderless connection.  
XM12943—Per Doz. \$0.42  
Your Cost Each ..... **4¢**

## Junior Tip Plug

As above, but only 1" long.  
XM12944— ..... **3¢**  
Your Cost Each .....

## Alligator Test Clips



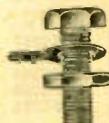
Head of clip is long thin design. Round barrel and made

to fit plug in prongs. Has firm spring grip. Ideal for meters, test boxes, etc. Size 1/4" wide, 2" long.  
XM12955—Per Doz. 40¢  
Your Cost Each ..... **4¢**  
XM12956—Same style as above but 2 3/4" long, 1/2" wide.  
Your Cost Each ..... **5¢**  
Per Dozen ..... \$0.55

## Banana Jacks

Brass nickel plated. Used with banana plugs. 1" long.

XM12923—Your Cost ..... **4¢**  
Each .....  
Per Dozen ..... \$0.40



## Banana Plugs

Tinned spring brass plugs for above jacks. 1 1/2" long.  
XM12919—Per Doz. 40¢  
Your Cost Each ..... **4¢**

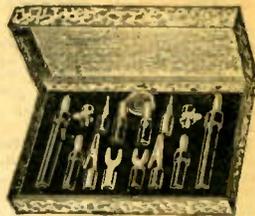


## Tip Jacks

Nickel plated. Powerful bronze spring. 1/4" mtg. hole.

XM12918—Your Cost Each ..... **4¢**  
Per Dozen ..... 40¢

## AMERICAN Testing Kit



Combines a complete line of solderless and interchangeable parts for all types of testing. Two long and short insulated test prod handles, two plug-in prongs, two plug-in jacks, two insulated tapered type lugs, two insulated needle point phone tips, two insulated alligator clips. Made up in red parts for positive and black parts for negative identification. Shpg. wt. 1 lb.

XP12972—Your Cost, Special ..... **\$1.03**

## Flush Type Tip Jacks

Heavy contact spring. Will take both plain and solderless tips. Mount in 1/4" holes. Nickel-plated.  
XM12948—Your Cost ..... **3¢**

# Binding Posts

## EBY Binding Posts Non-Removable Tops

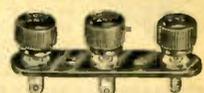


Made of composition insulating material. Tops non-removable. Bases specially designed for use on metal chassis. Stud has hole.  
XM13083—Ensign Post. Has 1/4" stud, 3/8" long. Your Cost Each ..... **12¢**  
XM13084—Commander Post. Has 1/4" stud, 1/2" long. Your Cost Each ..... **21¢**

## Eby Twin Post Units

Consists of two standard Eby posts mounted on laminated strips. Marked "Ant" and "Gnd."  
XM13062—Your Cost Each ..... **15¢**

## Triple Post Units



Similar to the above, but with three posts marked "L. Ant," "S. Ant" and "Gnd."  
XM13063—Your Cost Each ..... **18¢**

## Spring Clamp Binding Post Assembly



Two automatic spring clamp binding posts with insulated tops. Posts mounted on bakelite strip 2" long, 1 1/4" wide. Mounting hole centers 1 1/4". Equipped with soldering lugs, one grounded to chassis. Posts marked "Ant" and "Gnd."  
XM13049—Your Cost Each ..... **12¢**

## Spring Clamp Binding Posts

Insulated top. Spring clamp holds wire securely under pressure contact. 1/4" screw projects 1/4". Overall length 1". Come with blank tops or marked "ANT" or "Gnd." These posts are excellent for use where connections must be made and changed quickly and easily.

XM13046—Blank. Your Cost Each ..... **5¢**  
XM13047—"Ant."  
XM13048—"Gnd."  
Your Cost Each .....

## Meter Binding Post

Colored composition top and heavy nickel plated ferrule. Mounts with single screw. Specify color.  
XM13163—Your Cost Each ..... **5¢**

## Insulated Plug Type Binding Post

Hole in top fits banana plug. Hole in stem for wire.  
XM12945—Your Cost Each ..... **8¢**

## Screw Binding Post

Two knurled head screws mounted on 2" bakelite plate. Non-removable. Solder lugs are tinned. Mounting centers 1 1/4". Plain.  
XM13006—Your Cost Each ..... **6¢**

# Set Builders Accessories

## Color Coding Enamel



For color coding coils, terminals, etc. Green, blue, yellow, red and thinner. 4 brushes included. Very convenient for color coding resistors and condensers according to the R.M.A. standards. The enamel is water proof and will not fade.

XP15258—  
Your Cost

**30¢**

## Etched Dial Plates



Made of fine aluminum with hard, smooth finish. Hole in center designed to fit over 3/8" bushing. Numbers etched on face in white.

Plates with "OFF" position are designed especially for use with Yaxley gang switches listed on page 119. Other plates may be used with any selector switch, with step type controls, etc.

Stock No.	Marking	Your Cost Each
XF6224	1 to 2	
XF6225	1 to 3	
XF6226	1 to 4	
XF6227	1 to 5	
XF6228	1 to 6	
XF6229	1 to 7	
XF6230	1 to 8	
XF6231	1 to 9	
XF6232	1 to 10	
XF6233	1 to 11	
XF6234	1 to 12	
XF6235	"OFF"—1 to 3	
XF6236	"OFF"—1 to 4	
XF6237	"OFF"—1 to 5	
XF6238	"OFF"—1 to 6	
XF6239	"OFF"—1 to 7	
XF6240	"OFF"—1 to 8	
XF6241	"OFF"—1 to 9	
XF6242	"OFF"—1 to 10	

**9¢**

## Bakelite



Will not shrink at 125° F. This is genuine bakelite tubing. Wall 1/4" thick.

Stock No.	Dia.	per Inch	Your Cost
XM13150	1"		\$0.04
XM13151	1 1/2"		.05
XM13152	2"		.06
XM13153	2 1/2"		.07
XM13154	3"		.08

## Hard Rubber and Bakelite Panels



Made especially for Radio Panels. Color, black. Thickness 3/4". First quality guaranteed. If size required is not listed we can cut Special panels will not be shipped C.O.D.

Size Panels at 1 1/4 cents per square inch for Rubber or Bakelite. Special panels will not be shipped C.O.D.

### BAKELITE PANELS

Stock No.	Size	Your Cost	Stock No.	Size	Your Cost
XW19600	3/4x7x10"	\$0.70	XW19608	3/4x 7x30"	\$2.10
XW19601	3/4x7x12"	.84	XW19609	3/4x10x10"	1.00
XW19602	3/4x7x14"	.98	XW19601	3/4x10x12"	1.20
XW19603	3/4x7x18"	1.25	XW19602	3/4x10x14"	1.40
XW19604	3/4x7x21"	1.45	XW19603	3/4x10x18"	1.80
XW19605	3/4x7x24"	1.65	XW19604	3/4x10x21"	2.10
XW19606	3/4x7x26"	1.80	XW19605	3/4x10x24"	2.40

### HARD RUBBER PANELS

Stock No.	Size	Your Cost	Stock No.	Size	Your Cost
XW19630	3/4x7x10"	\$0.54	XW19635	3/4x7x24"	\$1.18
XW19631	3/4x7x12"	.58	XW19636	3/4x7x26"	1.40
XW19632	3/4x7x14"	.68	XW19637	3/4x7x28"	1.60
XW19633	3/4x7x18"	.95	XW19638	3/4x7x30"	1.75
XW19634	3/4x7x21"	1.03			

## Blank Chassis Cadmium Plated



### Cadmium Plated

These chassis are made of stiff metal that is easy to drill and work and have spot-welded corners that will not loosen. Strongly built—will not wobble. Excellent for use in building receivers or amplifiers. Average shpg. wt. 6 lbs.

XM12810	10x17x3"	<b>75¢</b>
Your Cost		
XM12811	10x23x3"	<b>85¢</b>
Your Cost		
XM12809	12x6x2 1/4"	<b>60¢</b>
Your Cost		
XM12812	10x12x3"	<b>55¢</b>
Your Cost		

## Aluminum Panels

Best grade 1/4" thick. Specially made for radio work. Non-magnetic.

Stock No.	Size	Net
XW19660	7x10"	\$0.47
XW19661	7x12"	.58
XW19662	7x14"	.68
XW19663	7x16"	.78
XW19664	7x18"	.90
XW19665	7x21"	1.00
XW19666	7x24"	1.10

Odd sizes \$1.10 per Square Foot.

## Liquid Victron

The famous Victron H. F. insulation in liquid form for coating R.F. coils. Dries quickly. Generous size can. XP15260—  
Your Cost... **21¢**



## Black Crystallizing Lacquer

For touching up and for completely finishing panels, chassis, etc., in the attractive crystallized black professional finish. Same size can as above. XP15259—  
Your Cost... **21¢**

## "ST" Type Tube Shields



For 56, 57, 58, etc., type tubes. Three pieces: cap, barrel and base. Both long (covering the whole tube) and short (leaving the cap projecting) types. Barrel diameter 1 1/4". Hard drawn aluminum natural bright finish. Shpg. wt. 1 lb.

XM13265	Long type	<b>11¢</b>
4 1/2" high.		
Your Cost Each		
Lots of 10 Each		10c
XM13266	Short type	<b>10¢</b>
3 1/2" high.		
Your Cost Each		
Lots of 10 Each		9c

## Friction Tape



The best quality tape with plenty of live friction rubber. Equally well

suitable to Radio, automobile, electrical or household use. Kept fresh by wrapping of tin foil.  
XP14829—2 oz. roll. **5¢**  
Your Cost Each ..... 55c  
10 Rolls for ..... **8¢**  
XP14842—4 oz. roll. **8¢**  
Your Cost Each ..... 75c  
10 Rolls for ..... **17¢**  
XP14843—8 oz. roll. **17¢**  
Your Cost Each ..... 51.60  
10 Rolls for

## Rubber Tape

Live rubber. Used to properly insulate electrical splices under a layer of friction tape. Wrapped in tin foil and boxed.  
XP15040—1/2 lb. roll. **15¢**  
Your Cost Each ..... 51.25  
10 Rolls for ..... **27¢**  
XP15041—1/2 lb. roll. **27¢**  
Your Cost Each ..... 52.50  
10 Rolls for

## Jacket Shields



This shield represents a new departure in tube shielding. They can be used with regular tubes to replace spray shield tubes and will function here perfectly. Made in three types; ST12 to fit the 56, 57, 58 type tubes; ST14 to fit the 24, 35, 51 old type tubes and ST14 CT to fit 24, 35, 51 new type dome tubes. Shpg. wt. 1 lb.

XM13262	—ST12 Type	
XM13263	—ST14 Type	
XM13264	—ST14CT Type	
Your Cost Any Type		<b>7¢</b>

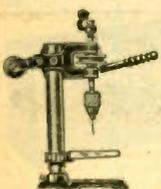
## Heavy Gauge Shield



An especially attractive three-piece shield made of heavy gauge LaSalle metal that will not vibrate. Fits all small "ST" type tubes. Perforated for ventilation. Mounting centers 1 1/4" apart. The highly polished finish on this shield is very attractive. Shpg. wt. 1 lb.

XM13255		<b>10¢</b>
Your Cost Each		

## "AMERICAN JUNIOR" Drill Press



At last a real drill press at a price that you can afford to pay! Base table and headstock of solid cast iron. Column of hot rolled iron, 1 1/2" diameter 1 1/2" spindle of cold rolled steel running in accurate bearings. All pulleys machined cast iron. Spindle travel 1 1/2" distance from chuck to column 3 1/4". Idler pulleys have belt tension adjustment. Chuck takes drills up to 1/2". Height overall 16 1/2". Shpg. wt. 15 lbs.

XP15242—Without chuck or swinging table. **\$1.98**  
Your Cost ..... **30¢**  
XP15243—Swinging table **30¢**  
Your Cost ..... **45¢**  
XP15244—Drill Chuck **45¢**  
Your Cost

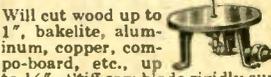
## "AMERICAN JUNIOR" Woodturning Lathe



Pulley, headstock, tailstock and fittings cast-iron. Accurately fitted 1/2" spindle and bed of cold rolled steel. Will handle work up to 6" diameter, 9" long in standard length; extra bed lengths available. Tailstock travels entire length of bed, spindle 1". Furnished with pulley and "T" rest. Centers extra. Shpg. wt. 15 lbs.

XP15245—  
Your Cost ..... **\$1.98**  
XP15246—Spur live center and tail center. **30¢**  
Your Cost for Both ..... **30¢**  
XP15247—5" Face plate with 4 clamping studs. **\$1.10**  
Your Cost ..... **\$1.10**  
XP15248—Saw table attachment for use with 4" saw. **\$1.10**  
Your Cost

## "AMERICAN JUNIOR" Sabre Saw



Will cut wood up to 1", bakelite, aluminum, copper, composition-board, etc., up to 3/4". Stiff saw blade rigidly supported will take curves below 1/2" radius without binding. Entire base and legs one solid piece cast iron. Cold rolled spindle and 3/8" steel blade holder. Saw blade travel 3/4". Shpg. wt. 9 lbs.

XP15249—  
Your Cost ..... **\$1.98**  
XP15250—3/4" Sabre blades. **9¢**  
Your Cost Each

## Disc Sander

Table tilts 45° up or down. Used for sanding, buffing, grinding, etc. 6" disc. Will take all lathe and drill press attachments. Shpg. wt. 11 lbs.

XP15251—  
Your Cost ..... **\$1.98**

## "AMERICAN JUNIOR" Circular Saw



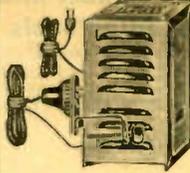
Base and table solid cast iron. Box type base; table can be raised or lowered to regulate depth of cut up to 1 1/2" with 4" blade. Takes any 5" blade with 1/2" hole. Furnished with cast-iron pulley and adjustable rip gauge. Grinding wheel, buffer and scratch brush can be used on this table. Shpg. wt. 11 lbs.

XP15252—(Saw **\$1.98**  
Your Cost ..... **45¢**  
XP15253—4" cross cut saw blade. **45¢**  
Your Cost ..... **68¢**  
XP15254—5" cross cut saw **68¢**  
Your Cost ..... **68¢**  
XP15255—5" rip saw **68¢**  
Your Cost ..... **35¢**  
XP15256—4" wire scratch brush **35¢**  
Your Cost ..... **22¢**  
XP15257—4" buffing wheel **22¢**  
Your Cost

# BATTERIES & BATTERY CHARGERS

## EVEREADY "Air Cell Battery"

For operating 2-volt tubes, does not require recharging—merely replenish water once a month. Ordinary drinking water is used, no distilled water is necessary. Approximate life when used with an approved air-cell battery receiver is 1000 hours. Dimensions of battery 10½" high, 13½" long, and 6¾" wide.  
**XY19973**—Shpg. wt. 29 lbs. **\$5.95**  
 Your Cost



## Truest Automobile Battery Charger

Attach the clamp to your ammeter. 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. Charging rate 3 amperes tapering off as battery becomes charged. Shpg. wt. 7 lbs.  
**XN14200**—Your Cost **\$4.95**



## Tungar 5 Amp. Charger

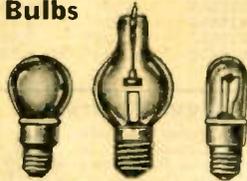
For charging any 6-volt battery at home. Delivers full 5 ampere rate and tapers off as battery becomes charged, thus preventing overcharging. Complete with receptacle for attaching to car and ammeter so that battery can be charged without removing it from the car. Complete with tube and all attachments. For 110 volt, 60 cycle A. C.  
**XP15699**—Shpg. wt. 12 lbs. **\$9.48**  
 Your Cost



## Genuine Tungar Bulbs

Used in battery chargers, "A" eliminators, etc. All guaranteed perfect. Tested before shipment.

Stock No. Type Your Cost  
**XZ21900** 6 amp. **\$2.72**  
**XZ21901** 2 amp. new  
**XZ21902** 2 amp. old  
**XZ21903** 6 amp. **\$5.45**



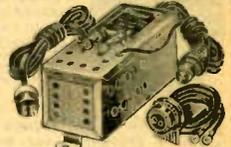
## Tungar Type Bulbs

Guaranteed new and perfect merchandise. Each bulb is individually tested before shipment and carefully packed. Shpg. wt. 1 lb.

**XZ21905**—6/10 amp. bulb for Trickle Chargers. **\$1.68**  
 Your Cost Each  
**XZ21906**—2 amp. bulb with tip. **\$1.80**  
 Your Cost Each  
**XZ21907**—2 amp. bulb without tip. **\$1.80**  
 Your Cost Each  
**XZ21908**—6 amp. bulb. **\$4.45**  
 Your Cost Each

## MALLORY Charger

No installation necessary—simply attach clamp-on receptacle to dash and attach wires to ammeter and ground. Output tapers 5½ to 3½ amps. Shpg. wt. 7 lbs.  
**XP15698**—List **\$11.50**  
 Your Cost **\$6.75**

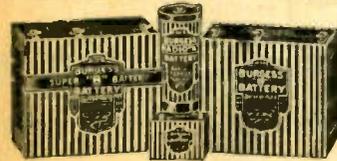


**Battery Clips**  
**XQ16062**—2½" long. **5c**  
 10 for 47c. Each  
**XQ16061**—2" long. **3c**  
 10 for 28c. Each  
**XQ16060**—1½" long. **3c**  
 10 for 25c. Each  
**XQ16063**—3½" long. **11c**  
 10 for 80c. Each

**Battery Cable**  
 Each lead a different color.  

Stock No.	No. Wires	Per Ft.	100 Ft.
<b>XQ16089</b>	3	2½c	\$2.20
<b>XQ16090</b>	4	3c	2.60
<b>XQ16091</b>	5	3½c	3.10
<b>XQ16092</b>	6	4½c	4.10
<b>XQ16093</b>	7	5c	4.40
<b>XQ16094</b>	8	5½c	4.95
<b>XQ16095</b>	9	6c	5.50
<b>XQ16096</b>	10	6c	5.50

# BURGESS "A" "B" and "C" Batteries



Uniform quality insures equal current drain and low internal resistance. These batteries are exceptionally long lived. All terminals clearly marked.

Stock No.	Burgess No.	Volts	Size, Inches L W H	Shpg. Unit Pkg.	List Price	Your Cost Each	Carton Lots, Each
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SUPER "B" BATTERIES							
<b>XY19850</b>	21308	45	4½ 8¾ 7¾	16 6	\$2.50	\$1.93	\$1.75
<b>XY19851</b>	22308	45	3½ 7¾ 7¼	10½ 6	1.95	1.51	1.37

Private Car Type							
<b>XY19855</b>	2305	45	8½ 3½ 7¾	11 6	1.95	1.51	1.37

Police Radio Type							
<b>XY19857</b>	21305	45	4¾ 8¾ 7¾	15½ 6	3.60	2.75	2.50

STANDARD "B" BATTERIES							
<b>XY19859</b>	10808	45	4½ 8 7	14 6	2.10	1.61	1.46
<b>XY19860</b>	2308	45	3½ 8¼ 7	11 6	1.65	1.27	1.15
<b>XY19861</b>	5308	45	2½ 4¼ 5½	11 5	1.20	.94	.85
<b>XY19862</b>	6156	22½	2½ 4¼ 2½	5 10	.90	.67	.61
<b>XY19863</b>	4156	22½	2 3¾ 2½	2 10	.75	.58	.53
<b>XY19878</b>	2156	22½	4 6½ 3	5 5	1.50	1.16	1.05

STANDARD "C" BATTERIES							
<b>XY19866</b>	5860	4½	2½ 1¾ 2½	1 10	.40	.31	.28
<b>XY19867</b>	2370	4½	1¾ 4 3	2 10	.30	.24	.22
<b>XY19868</b>	5540	7½	¾ 4 2¾	3½ 10	.65	.48	.44

RADIO "A" BATTERY							
<b>XY19875</b>	6A	1½	6x2½	3 25	.40	.31	.28

"Little Six" Compact "A" Battery							
<b>XY19858</b>	4FH	1½	4½ 2½	2			.23



## BURGESS BEN HUR DRY BATTERIES and priced LOW!

A lower priced battery made by Burgess and built to the high standards that have always been kept by this manufacturer. Navy specifications, which are very strict, have been very closely adhered to, both as to quality of materials and life.

**XY19730**—Standard 45 Volt B tapped at 22½ volts. Shpg. wt. 11 lbs. Quantities less than six.  
 Your Cost Each **95c**

Standard package of six.  
 Your Cost Each **84c**

**XY19733**—No. 6 Dry Cell. Shpg. wt. 3 lbs.  
 Your Cost Each **18c**

**XY19731**—Heavy Duty 45 Volt "B" tapped at 22½ volts. Shpg. wt. 5 lbs. Quantities less than six.  
 Your Cost Each **\$1.28**

Standard pack—age of six.  
 Your Cost Each **\$1.20**

**XY19728**—4½ Volt "C" Battery. Your Cost **19c**  
**XY19729**—22½ Volt "B" and "C" Battery. Your Cost **61c**

## BURGESS 3 V. "A" Pack

For use with 2 Volt Tubes  
 Scientifically designed for 2-volt tubes. There is no recharging; no servicing; no filling with water. Ready for immediate use. 100% dry. 400 hours service based upon ½ ampere discharge 3 hours per day. Dimensions; 11½x4x6½" high. Shpg. wt. 15 lbs.



**XY19872**—Burgess 3 Volt "A" Pack. List \$3.20. Your Cost Each **\$2.37**  
 Carton Lots Each (4 to a Carton) **\$2.15**  
 Illustrated at the left is the Burgess No. 4 Dry Cell—Used for Microphone Current—Portable A supply, etc.  
**XY19869**—4" high, 2½" diameter. Shpg. wt. 1 lb. **24c**  
 Your Cost Each

## Hydrometer



Live red rubber bulb and nozzle; beaded float. Shpg. wt. 3 lbs.  
**XP15694**—Your Cost **24c**  
 Each



## Burgess Portable "B" Batteries

Designed for use in Transceivers, portable transmitters, etc. Are exceptionally compact.  
 Type 4308—45 volts "B". Uses 30 cells. Size 5½x4¼x2¼". Shpg. wt. 4 lbs. **\$1.10**  
**XY19856**—Your Cost Each  
 Type 9308—45 volts "B". Uses 30 cells. Size 3x3½x2¼". Shpg. wt. 2 lbs. **\$1.15**  
**PY19865**—Your Cost Each

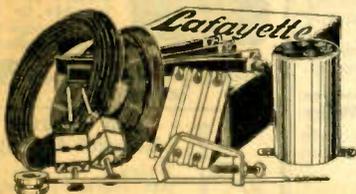
## Flashlight Batteries

Uni-Cells made by Burgess. Also used in Testers, Analyzers, etc. Two sizes available.

**XV18200**—No. 1 small size.  
**XV18201**—No. 2 Large. Your Cost Each **6½c**  
 Two for **13c**

# NOISE REDUCING ANTENNAS & EQUIPMENT

## Lafayette All-Wave Aerial Kit



Designed for use with the All-Wave receivers. A special receiver transformer supplied with the kit allows the use of a transposed lead-in without the necessity for making any changes to the input circuit of the receiver. The kit contains the following parts: Two 40 foot lengths of heavy enameled wire for the doublets; 50 feet of special weather-proof transmission line; one special receiver matching transformer; one aerial spreader; two antenna insulators; one 6" porcelain screw eye; two nail-knobs; two lead-in strips and one ground clamp. Instructions furnished with each kit. Shpg. wt. 5 lbs.

**XQ16474**  
List \$3.95  
**Your Cost \$1.85**

## LYNCH All-Wave Kit



Efficient on both short wave and broadcast bands. Special coupling device permits use of transposed transmission line without need for making changes in input circuit of receiver. Kit includes the following parts: 15 Lynch transposition blocks; 8 Lynch commercial type insulators; 1 Lynch special universal set coupler (line impedance matching device); 100 feet Hi-Mho light wire and 50 feet Hi-Mho heavy wire for antenna and lead-in. Instructions furnished with each kit. Shpg. wt. 6 lbs.

**XR17117**—List \$6.50  
**Your Cost \$3.82**

## "Double-Doublet" ALL-WAVE AERIAL KIT



This new RCA All Wave "double-doublet" Antenna System is perhaps the greatest single step forward in antenna design since the introduction of all wave receivers. The complete installation consists of an interconnected pair of doublet antennas—one of which is tuned to approximately 16 meters—the other to approximately 49 meters, a special transmission line, a receiver matching transformer to match the antenna to the set, and all necessary wire, insulators, cambric tubing, ground clamp, etc., to complete the installation. Lightning arresters not supplied.

Shpg. wt. 6 lbs.  
**XR17090**—List \$6.00  
**Your Cost \$3.60**

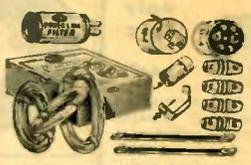
## RCA DeLuxe "Double-Doublet"

Contains two 46½ foot lengths of wire for the doublets, one roll (80 feet) of special transmission line, one antenna transformer, one improved receiver coupling transformer, one crossover insulator, two nail-it-knobs, one feed through lead-in tube, one ground clamp, two links for coupling transformer, instruction sheet. Shpg. wt. 6 lbs.

**XR17083**—List \$7.75  
**Your Cost \$4.65**

**NOTE:** Other RCA Kits (Dealers, Experimenters Kits, etc.) available at lowest net prices. Immediate shipment.

## TOBE All-Wave Aerial



Can be used with either "L" or "doublet" antennas. Special antenna and receiver transformers assure accurate impedance match.

Switches on receiver transformer adjust for broadcast or s. w. reception. Power line filter-ette prevents noise from the power line reaching the set. Shpg. wt. 7 lbs.

**XR17157**—Model 34 Kit. Includes everything necessary—aerial wire, insulators, filtered transmission line, ground clamp, ground wire, power line filter and antenna set transformers.  
**\$4.09**

**XR17158**—Model 35 Kit. Same as above but without line filter and aerial and ground equipment. (Coupling Kit.)  
**\$2.90**

## LYNCH Hi-Fi All-Wave "Duplex" Coupling System



This Lynch "Duplex" Coupling System is especially suited for use where the area covered by the antenna is limited. It will improve the efficiency of any doublet antenna now in use; is efficient from 3 to 600 meters.

Kit contains: one Hi-Fi Duplex Antenna Coupler made of polished molded bakelite; one Hi-Fi Receiver Coupler and one 50 foot length of Lynch Giant Killer Cable. Instructions included. Shpg. wt. 4 lbs.  
List \$6.75

**XR17160**—Complete Kit  
**Your Cost \$3.93**

### NOTE

A more complete listing of Lynch products will be found on page 162 of catalog number 56. We can supply any equipment not listed at a discount of 40% from the list price.

## Airplane Insulator



A 1¼" strain insulator especially designed for use where space and weight is a factor of importance.

**XR17175**—  
Your Cost **3¢**  
Each  
Per dozen ..... 30c

## Ceramide Transposition Blocks

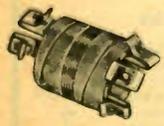


A standard design ceramide transmission block at an heretofore unheard of price! 2¼ x 2¼". Shpg. wt. of 10—1 lb.

**XR17089**—12 for 50c  
**Your Cost Each \$5¢**

## Lafayette

### Universal Set Coupler



This fixed type receiver coupler is especially designed to permit the use of an ungrounded transmission line with any receiver, without sacrificing stability. A unit of this type is necessary if full efficiency of a doublet antenna is desired. Easy to attach and mounts near set. Shpg. wt. 1 lb.

**XR17082**—Your Cost **\$38¢**

## QUALITY WIRE—Priced LOW!

### Transmission Cable



Especially designed for use with doublet antenna systems. Used extensively as the transmission line for Pbilco and other receivers. Consists of two rubber covered conductors covered by a weather-proof cotton outer braid. Shpg. wt. (100 ft.) 4 lbs.

**XR17152**—100 ft. coil  
**Your Cost \$80¢**  
**XR17184**—500 ft. coil **\$3.45**  
**Your Cost**

### Special Transmission Line



A ten-strand wire covered with live rubber, a lacquered cotton braid and a woven-tinned shield. Wire tinned for easy soldering. This wire is the same type as used in many filtered aerial systems such as Tobe, Lynch, etc.

**XQ16240**—50 Ft. 100 Ft. 500 Ft.  
**Your Cost 55c \$1.05 \$4.95**

### Truest "Low Ohm" Wire

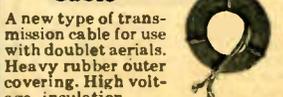


For Aerials and Transposed Lead-ins

Especially designed to have a low resistance at high frequencies. Hard enough to prevent undue stretching yet soft enough to be easily worked. Intended for the aerial proper and transmission lines. Shpg. wt. 3 lbs.

**XQ16264**—Heavy Bare, #7/20.  
**Your Cost \$75¢**  
**Per 100 Ft. Coil**  
**XQ16265**—Heavy Enameled, #7/20. **Your Cost \$1.25**  
**100 Ft. Coil**  
**XQ16266**—Light Enameled, #7/25 **Your Cost \$35¢**  
**100 Ft. Coil**

### LYNCH "Giant Killer" Cable



A new type of transmission cable for use with doublet aerials. Heavy rubber outer covering. High voltage insulation. Shpg. wt. 50 ft. 2 lbs.

**XR17177**—50 ft. coil..... \$1.76  
**XR17178**—100 ft. coil..... 3.53  
**Your Cost**  
**Per Foot..... 4¢**

## "Doublet" Arrester



An arrester for a doublet type of antenna must be of the air gap type and be

carefully insulated from ground. Made of fine quality porcelain smoothly glazed. Shpg. wt. 1 lb.  
**XR16950**—  
**Your Cost \$25¢**

## All-Wave Coupler



This coupler provide a correct match at all wave-lengths. A doublet Antenna using a twisted pair of transposed leadin must be correctly matched to the receiver. Comes complete with instructions. Shpg. wt. 1 lb.

**XR17172**—Your Cost **\$59¢**

## LYNCH

### "Hi-Mho" Wire

Weights only half as much as solid copper wire. Has extremely low resistance and high conductivity at radio frequencies. For use with all short wave and all-wave receivers.

**XR17189**—100 Ft. Light **\$59¢**  
**Your Cost**  
**XR17190**—50 Ft. Heavy **\$44¢**  
**Your Cost**  
**XR17191**—100 Ft. Heavy **\$88¢**  
**Your Cost**

**Mail Your Orders to NEW YORK or ATLANTA**

# Aerial Kits & Accessories

## A Special Value!



only  
**7¢**  
each

Dealers especially will appreciate this item. A thoroughly reliable protector that can be retailed at a low figure without sacrificing their margin of profit. Porcelain body. Shpg. wt. per doz. 3 1/2 lbs.  
**XR16753—Your Cost Each... 7¢**  
12 for... 70c 100 for... \$6.50

## PARKSON Arrester

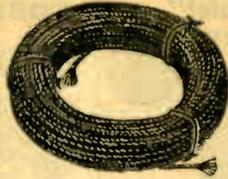


All bakelite. Non-airgap type. Approved by the Underwriters. Shpg. wt. 1 lb.  
**XR16705—Your Cost Each... 9¢**

## BRACH Vis-O-Glow Lightning Arrester



Vis-O-Glow is entirely different than ordinary arresters. It makes use of a NEON TUBE. By far the most sensitive arrester made, the slightest induction is readily shunted to ground. When in operation you can see it work. Shpg. wt. 2 lbs.  
**XR16700—List \$1.00**  
**Your Cost Each... 59¢**



## 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**  
Shpg. wt., 100 ft., 1/2 lb.  
**XQ16112—100 ft. coils.**  
Single Lots of Lots of  
Lots Each 25 Each 50 Each  
15c 14c 13c

**7/26 STRANDED**  
**XQ16113—100 ft. coils.**  
Single Lots of Lots of  
Lots Each 25 Each 50 Each  
18c 16c 15c

**7/24 STRANDED**  
**XQ16114—100 ft. coils.**  
Single Lots of Lots of  
Lots Each 25 Each 50 Each  
22c 20c 19c

**7/22 STRANDED**  
**XQ16115—100 ft. coils.**  
Single Lots of Lots of  
Lots Each 25 Each 50 Each  
29c 28c 27c

**No. 10 SOLID ENAMELED**  
**XQ16129—Per 100 Ft.**  
1c Per 100 Ft. 85c



## Enameled Copper Wire

The very best grade enamel; will not chip or crack. Guaranteed full measure and size.

**7/24 STRANDED**  
**XQ16116—100 ft. coils.**  
Single Lots of Lots of  
Lots Each 10 Each 25 Each  
30c 29c 28c

**7/22 STRANDED**  
**XQ16117—100 ft. coils.**  
Single Lots of Lots of  
Lots Each 10 Each 25 Each  
40c 38c 35c

**No. 14 SOLID**  
**XQ16118—100 ft. coils.**  
Single Lots of Lots of  
Lots Each 10 Each 25 Each  
36c 35c 32c

**No. 12 SOLID**  
**XQ16119—100 ft. coils.**  
Single Lots of Lots of  
Lots Each 10 Each 25 Each  
47c 46c 45c

## Lead-in Wire

Very good quality. No. 17 copper well insulated with pure rubber.  
**XQ16200—25 Ft. 50 Ft. 100 Ft.**  
Single Lots 10c 18c 33c  
Lots of 10 Each 9c 17c 31c  
Shpg. wt. lbs... 1/2 1 2

## 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.

**XR17102—Your Cost Each 3¢**  
10 for... \$0.25 50 for... \$1.20



## Our Special Ground Clamp

Makes a vise grip on pipe. Has sharp pointed screw that penetrates surfacing and makes perfect contact. Has screw for connecting ground wire.

**XR17105—Your Cost Each 4¢**  
12 for... \$0.42 100 for... \$3.10

## Ground Rods



Shpg. wt. 2 lbs.  
Stock Length Your Cost  
No. Feet Each Per Doz.  
**XR17187 4 28c \$2.65**  
**XR17188 6 40c 4.50**

## Lead-in Strips

Waterproof lacquered webbing. Length 12". Screw terminals.  
**XR17100—100 for \$4.50**  
**Your Cost Each 5¢**  
As above with Fahnestock terminals.  
**XR17101—100 for \$2.90**  
**Your Cost Each 4¢**

## INSTALLATION ACCESSORIES

### Lafayette Aerial Kits

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. Shpg. wt. 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.



**XQ16476—List \$1.50**  
**Your Cost... 73¢**

### Standard Aerial Kit

A low price kit containing all essentials for a dependable and efficient aerial system. A very good dealer item. Shpg. wt. 2 lbs. Contains: 90 ft. 7/25 Copper Wire, 25 ft. Lead-in, 25 ft. Ground Wire, 2 Porcelain Insulators, 1 Copper Ground Clamp, 1 Lead-in Strip, 2 Nail Knobs.  
**XQ16477—List 90c**  
**Your Cost... 49¢**

### Economy Aerial Kit

Especially designed for Midget Sets. The lowest price kit on the market made up of first quality merchandise. Shpg. wt. 2 lbs. Contains: 90 ft. 7/27 Copper Wire, 25 ft. Rubber Covered Lead-in, 1 Lead-in Strip, 1 Ground Clamp, 2 Nail Knobs, 2 Porcelain Insulators.  
**XQ16478—List 75c**  
**Your Cost... 39¢**

### Best Grade Lead-in Wire

A heavier and better grade of lead-in wire. No. 14 tinned copper covered with a layer of rubber compound and a layer of weatherproof braid. Strips clean.  
**XQ16203—25 Ft. 50 Ft. 100 Ft.**  
Single Lots. 24c 45c 78c  
Lots of 10 Ea 23c 43c 75c  
Lots of 25 Ea 22c 40c 70c  
Shpg. wt. lbs. 1/2 1 2



### Shielded Lead-in



A fine quality shielded lead-in wire for broadcast antennas. Has a layer of cotton over which is a layer of pure live rubber and a tinned copper braid over-all. Skins easily and wire is tinned for easy soldering.  
**XQ16212—50 Ft. 100 Ft.**  
Each. 48c 94c  
Shpg. wt. lbs. 1 2

## AERIAL, LEAD-IN INSULATORS

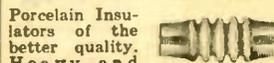
### Brown Porcelain



Strain insulator made of heavy porcelain. 2 1/2" long, 1/2" hole.

**XR16802—Your Cost Each 2¢**  
Per 100... \$1.75

### Porcelain Insulators



Porcelain Insulators of the better quality. Heavy and strong. 3 3/4" long. 1/4" hole.  
**XR16803—Your Cost Each 4¢**  
Per 100... \$3.25

### Wall Insulator



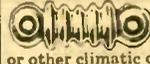
For supporting wiring on instruments or may be used for supporting lead-in or ground wires. Glazed porcelain  
2 1/2" high. Shpg. wt. 8 oz.  
**XR16735—50 for \$3.25**  
**Your Cost Each 7¢**

### Nail-it Knobs

Heavy white porcelain nail knob. Leather washer under nail head prevents breaking knob when fastening. Height 1 1/2". Diameter 1 1/2".  
**XR16977—Your Cost 2 1/2¢**  
Each. 50 for \$1.10 100 for \$1.95



### Glass Insulators



Special tempered glass, unaffected by heat or cold or other climatic conditions. Best quality. 3" long.  
**XR16850—Your Cost Each 3¢**  
Lots of 100... \$2.50  
**XR16851—Length 4". Your Cost Each 3 1/2¢**  
Lots of 100... \$3.50  
**XR16852—Length 5". Your Cost Each 9¢**  
Lots of 100, Each... \$8.00

### Screw-in Knobs

For attaching lead-in or ground wires to posts or buildings. Wire passes through center of porcelain. With screw 3" long.  
**XR16972—Net Each 2 1/2¢**  
12 for 27c 100 for \$1.90  
**XR16986—6" long. Net Each 4¢**  
12 for 42c 100 for \$2.75



### Nail-it Knobs

Heavy rectangular knob with extra strong nail. Has leather washer under nail head to prevent breakage when fastening. Makes a neat looking job. Easy to use.  
**XR16978—Your Cost Each 1 1/2¢**  
50 for 60c 100 for 85c



# WIRE

## SPECIAL WIRE OFFER



Every spool is one continuous length of wire, and is full length.

### COTTON

**XY20875**—200 Ft. No. 18, 1/4 Single Conductor, for Aerial, Ground and general use.  
**XY20862**—150 Ft. No. 22, Twisted Pair. For drop cords, extensions, etc.  
**XY20863**—100 Ft. No. 18, 1/2 Parallel with cotton overbraid. For lamp cords, etc.

### SILK

**XY20864**—150 Ft. No. 20, 1/4 Parallel. For installations, appliance wiring, etc.  
**XY20865**—200 Ft. No. 18, 1/4 Single. For portable work, house wiring, etc.

**Your Cost, Each Coil** ..... **85¢**  
 Assortment of 6 Coils. **\$4.50**  
**Your Cost** .....

## Service Wire Kit



**ONLY 25¢**

A real money saver. This assortment contains practically every type of wire useful for Radio Service. Contents total approximately 200 feet in lengths varying from 4" to 24". Assortment includes push-back r.c., shielded, twisted, parallel and other wire. Shpg. wt. 5 lbs.  
**XR16299**—**Your Cost** ..... **25¢**



## CORNISH Wire Co. WIRE SPOOL ASSORTMENT



Just the thing for the serviceman. These popular types of wire are put up on metal spools. Manufactured by the most reputable wire manufacturer in the business. Guaranteed to be of the finest quality, full length and exact gauge as specified. Don't fail to take advantage of these remarkably low prices.



**39¢ Per Spool**

LOTS OF 6 ..... **\$2.25**

### Solid Push-Back (Braidite)

Stock No.	Gauge	Color	Length
XQ16184	#22	Red	100 Ft.
XQ16185	#22	Black	100 Ft.
XQ16186	#22	Green	100 Ft.
XQ16187	#22	Yellow	100 Ft.
XQ16188	#18	Red	50 Ft.
XQ16189	#18	Black	50 Ft.
XQ16190	#18	Green	50 Ft.
XQ16191	#18	Yellow	50 Ft.

### Colored Rubber Wire-Stranded

Stock No.	Gauge	Wall	Color	Length
XQ16070	#18	1/4	Red	100 Ft.
XQ16071	#18	1/4	Black	100 Ft.
XQ16072	#18	1/4	Green	100 Ft.
XQ16073	#18	1/4	Yellow	100 Ft.
XQ16074	#16	1/4	Red	50 Ft.
XQ16075	#16	1/4	Black	50 Ft.
XQ16076	#16	1/4	Green	50 Ft.
XQ16077	#16	1/4	White	50 Ft.

### Stranded Push-Back (Braidite)

Stock No.	Gauge	Color	Length
XQ16192	#20	Red	85 Ft.
XQ16193	#20	Black	85 Ft.
XQ16194	#20	Green	85 Ft.
XQ16195	#20	Yellow	85 Ft.
XQ16196	#18	Red	50 Ft.
XQ16197	#18	Black	50 Ft.
XQ16198	#18	Green	50 Ft.
XQ16199	#18	Yellow	50 Ft.

### Cor-Lac Push-Back Wire

(Special Lacquered Inner Braid)

Stock No.	Gauge	Color	Length
XQ16052	#20 Solid	Red	100 Ft.
XQ16053	#20 Solid	Black	100 Ft.
XQ16054	#20 Solid	Green	100 Ft.
XQ16055	#18 Stranded	Red	75 Ft.
XQ16056	#18 Stranded	Black	75 Ft.
XQ16057	#18 Stranded	Green	75 Ft.

### Cotton Twisted Pair



18 Gauge 1/4 R. C. wire with a fine, cotton covering. Two colors—white or yellow and green mixture. Specify which.

**XY20902**—**Your Cost:**  
 Per Ft. 100 Ft. 250 Ft.  
 1c 95c \$1.65

### Hook-up Wire



Rubber insulated cotton braid. Lacquered braid which prevents the wire from fraying as easily as ordinary wire. Put up in coils of 250 feet. Shpg. wt. 5 lbs.

**XR16345**—**Your Cost** ..... **90¢**  
 4 Coils (assorted colors) ..... **\$3.15**

### Parallel Lamp Cord



Consists of two rubber covered conductors enclosed in a tough live rubber jacket. Approved by the Underwriters. In black, green, ivory or brown. Specify color when ordering. Shpg. wt. 3 lbs. per 100 ft.

**XY20920**—18 gauge. **Your Cost:**  
 Per Ft. 100 Ft. 500 Ft.  
**2¢ \$1.35 \$6.75**

### 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. Shpg. wt. 6 oz.  
**XQ15960**—**6¢**  
 Per Length .....  
 12 Lengths ..... **66c**



### Bus Wire

Hard drawn tinned copper wire in 2 foot lengths. Round. All clean and guaranteed full length. Indispensable for wiring amplifiers, power packs, receivers, etc.

**SIZE 14**  
**XQ15965**—10 Lgths. 100 Lgths.  
**Your Cost 12c \$1.05**

**SIZE 12**  
**XQ15966**—10 Lgths. 100 Lgths.  
**Your Cost 26c \$2.05**  
 Shpg. wt., lbs. 1 8

## Magnet WIRE

Any size in 5 lb. quantities at special prices. Shpg. wt. 1 lb. each.



### Enamel

Stock No.	Size	Price of 1/4 Lb.	1/2 Lb.
XX20950	16	\$0.15	\$0.19
XX20951	18	.16	.20
XX20952	20	.16	.21
XX20953	22	.17	.24
XX20954	24	.19	.26
XX20955	26	.20	.28
XX20956	28	.21	.31
XX20957	30	.23	.34
XX20958	32	.26	.37
XX20959	34	.31	.45
XX20960	36	.38	.58
XX20961	38	.49	.73

### Double Silk

Stock No.	Size	Price of 1/4 Lb.	1/2 Lb.
XX20962	18	\$0.23	\$0.45
XX20963	20	.26	.47
XX20964	22	.29	.55
XX20965	24	.34	.63
XX20966	26	.38	.72
XX20967	28	.47	.81
XX20968	30	.54	.97
XX20969	32	.70	1.26
XX20970	34	.92	1.74
XX20971	36	1.25	2.15

### Double Cotton

Stock No.	Size	Price of 1/4 Lb.	1/2 Lb.
XX20973	16	\$0.18	\$0.24
XX20974	18	.20	.27
XX20975	20	.22	.29
XX20976	22	.24	.32
XX20977	24	.26	.37
XX20978	26	.31	.48
XX20979	28	.36	.61
XX20980	30	.42	.73
XX20981	32	.51	.90
XX20982	34	.63	1.14
XX20983	36	.81	1.44

Table Showing Feet Per Pound of Above Magnet Wire

Gauge	D.C.C.	Enam- eled	D.S.C.	Gauge	D.C.C.	Enam- eled	D.S.C.
16	122	125	125	28	1630	2030	1910
18	192	202	199	30	2420	3220	2960
20	298	319	314	32	3500	5100	4570
22	464	506	494	34	4920	8080	6980
24	711	804	778	36	6660	12800	10500
26	1080	1280	1220	38		20300	15500

### Colored Rubber Wire

No. 18 stranded and tinned copper wire covered with colored rubber compound. Solders instantly. 25 feet to coil. Colors black, red or green; state color wanted. Shpg. wt. per coil, 6 oz.

**XQ16275**—Per Coil 25 ft. **12¢**  
**Your Cost** .....  
 10 Coils ..... **\$1.10**

## Push Back WIRE

### Stranded Push Back Wire

19 gauge tinned copper hook-up wire. Very flexible. Green, red or black. Specify color. Shpg. wt. for 100 ft., 2 lbs.

**XR16321**—100 Ft. Coil **38¢**  
**Your Cost** .....  
 500 Ft. Spools ..... **\$1.85**  
 1000 Ft. Spools ..... **3.35**

### Solid Push Back Wire

This 19 gauge solid wire has the popular push back insulation. Black, green or red. Specify color. Shpg. wt. 2 lbs.

**XR16320**—100 Ft. Coil **34¢**  
**Your Cost** .....  
 500 Ft. Spool **Your Cost \$1.50**  
 1000 Ft. Spool **Your Cost 2.95**

### Best Grade Push Back Wire Double Cotton Braid



Size 19 tinned copper wire. Extra heavy insulation slips back easily. Colors: red or black.  
**XQ16327**—25 Ft. 50 Ft. 100 Ft.  
**Your Cost 17c 33c 65c**

### Stranded Push Back

Same as above. Size 18. Stranded and tinned. Red or black.  
**XQ16330**—25 Ft. 50 Ft. 100 Ft.  
**Your Cost 17c 33c 65c**

**Mail Your Orders to NEW YORK or ATLANTA**

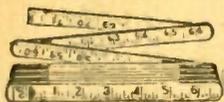
# TOOLS and HARDWARE for

## Radio Tool Set



Contains ten practical tools 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. Shpg. wt. 2 lbs. XP14908—Your Cost **\$2.25**

## 6 Foot Folding Rule



Made of boxwood, finished in white enamel. Metal bound. Length 6 ft. Shpg. wt. 8 oz. XP14975—Your Cost **15¢**

## Wire Stripper



Strips wire easily and cleanly. Saves time. Cutting edge of tempered steel that will retain its hardness. XP15044—Your Cost **9¢**

## Carbon Twist Drills

ASSORTMENT 9 Drills; sizes  $\frac{1}{16}$ " to  $\frac{3}{16}$ ". Good steel; fast cutting. Correctly ground and will hold their edge. In wood box. Handy for the serviceman's tool kit. Shpg. wt. 2 lbs. XP14705—Your Cost **35¢**



Same assortment; paper wrapped. XP14710—Your Cost **32¢**

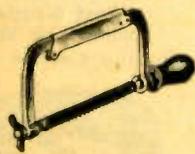
## Radio Reamer



Length of blade 4". Will ream holes from  $\frac{1}{8}$ " to  $\frac{3}{8}$ ". Shpg. wt. 8 oz. XP15065—Your Cost Each **17¢**

## Hack Saws

Adjustable frame for 8 to 10 in. blades. Frame constructed of nickel plate. Black hardwood handle. Complete with one 8" blade. Shpg. wt. 2 lbs. XP14994—Your Cost **24¢**



## Offset Steel Scriber

This handy item is constructed of the finest grade of tempered tool steel. Tapers to a finely ground round point that will not lose its temper. Body of tool is knurled for easy grip. One end offset for close work.  $\frac{1}{8}$ " diameter. XP14952—Your Cost **19¢**

## G. M. Co. Electric Hand Drill

A Sturdy  $\frac{1}{2}$ -in. hand drill with GENERAL ELECTRIC A. C. D. C. MOTOR and BALL THRUST BEARING in spindle. Special anti-friction bearing on armature shaft. Genuine Almond 3-jaw geared chuck. Has toggle switch on top of pistol grip, easily operated with thumb. Complete with 9 feet of heavy rubber-covered cable and plug. This tool will stand the "gaff" of heavy use and should not be confused with cheap, light hand drills. Shpg. wt. 10 lbs. XP14726—List, \$25.00. Your Cost, Each **\$14.85**

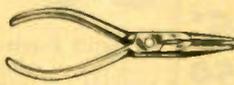


## Diagonal Cutting Pliers



A very popular plier with all service items. Sharp cutters.  $5\frac{1}{2}$ " long. Shpg. wt. 3 lbs. XP15127—Your Cost **35¢**

## Long Nose Pliers



$5\frac{1}{2}$ " polished forged steel. Telephone type. Shpg. wt. 3 lbs. XM15241—Your Cost **35¢**

# 10¢ Don't wait -- order TODAY

## Pocket Level



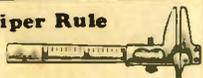
Guaranteed accurate. Non-freezing liquid. Nickel plated. Length  $2\frac{3}{4}$ ". Shpg. wt. 8 oz. XP14981—Your Cost **10¢**

## Can't Rol Center Punch



Made of exceptionally tough, swaged Carbon Steel. Heads and points are polished and the grip is knurled.  $\frac{3}{16}$ " point. XP14999—Your Cost Each **10¢**

## Caliper Rule



Measures inside and outside diameters up to 3 inches, calibrated in  $\frac{1}{16}$  and  $\frac{1}{8}$  part of an inch. Has knurled locknut. Shipping weight 8 oz. XP14891—Your Cost **10¢**

## Metal File Handle



Japanned. Will fit all sizes of files. Will take any type of tool with a shank less than  $\frac{3}{8}$ ". Set screw holds tools rigid. Shpg. wt. 1 lb. XP15042—Your Cost Each **10¢**

## Cold Chisel



XP15179— $\frac{3}{4}$ " chisel. Shpg. wt. 2 lbs. Each **10¢**

## Money Savers! 3 in 1 Screw Driver



Nesting type. Smallest nests in handle of next largest and the two together in the largest. Steel blades with brass handles.  $4\frac{1}{2}$ " long. Shpg. wt. 1 lb. XP15220—Your Cost **10¢**

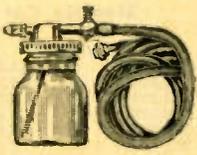
## Service Screw Driver



A low priced and very popular Screw Driver, with polished blade and attractively finished red handle fastened with bead lock. Blade of forged steel. Shpg. wt. 1 lb. XP15056—Blade 3" XP15055—Blade 5" Price, Either Type... **10¢**

## Handy Sprayer

Air pressure supplied by any automobile tire. Complete with glass jar, 6 ft. of hose, and adjustable spray tip. Will spray approximately four jars from one tire containing 35 lbs. pressure. Shpg. wt. 5 lbs. XP14705—Your Cost **69¢**



## Tap Wrench



Highest quality carbon tool steel, oil tempered. The hardened, perfectly fitting jaws will take up to  $\frac{1}{4}$ " tap. Meet properly; open easily. Shpg. wt. 2 lbs. XP14714—Your Cost **25¢**

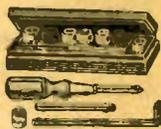
## Hand Drill

A quality tool that every serviceman or mechanic needs. Constructed of high grade materials that insure long, unailing service. Geared high to drill quickly. Drill chuck takes drills from  $\frac{1}{16}$ " to  $\frac{1}{4}$ ". Shpg. wt. 2 lbs. XP14747—Your Cost **39¢**

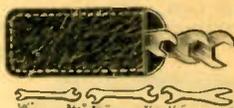


## Trustest Driver

A combination screw driver and wrench set. Consists of a screw driver with 3" straight and a 5" Ell shaped extension. A coupling and the following sockets— $\frac{3}{16}$ ",  $\frac{1}{4}$ ",  $\frac{11}{32}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ " and one internal knurled socket to fit any 12 pt. or round nut— $\frac{3}{4}$ " to  $\frac{5}{8}$ ". Shpg. wt. 4 lbs. XP15159—Your Cost **95¢**



## 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  $\frac{1}{4}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{3}{4}$ " and odd sizes. Shpg. wt. 8 oz. XP15081—Your Cost **15¢**

## GOODSELL-PRATT Radio Screw Driver



Long slender blade especially suitable for radio work. Small end so as to fit set screws in radio knobs. Hammer forged blade, nickel ferrule. Hardwood handle. 3" blade. Shpg. wt. 8 oz. XP14949—Your Cost Each **24¢**

## Shockless Screw Driver



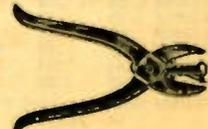
A popular priced insulated handle Screw Driver for electrical, household and automotive work. Handle and Ferrule are moulded in one piece of moulded insulating Composition. Blade is nickel plated and has straight side point. 6" long. Shpg. wt. 1 lb. XP15060—Your Cost... **12¢** Per Dozen... **\$1.20**

## Countersink



Have tempered steel blades set in grooved wood handles. For shaping holes in panels of wood, bakelite, fibre, etc. A handy tool for the serviceman. XP14950—Your Cost **15¢**

## Rivet-O-Punch



Punches holes—fastens rivets, in leather, fibre, paper or canvas. Can be used to make solderless lugs, etc. Complete with box of brass eyelets. Shpg. wt. 1 lb. XP15046—List \$2.00 Your Cost **59¢**

# MECHANICS and SERVICEMEN



## INDESTRO Socket Wrench Set



Strongly made with steel blank finished in cadmium plate. Black wood handle. Complete with five hexagon sockets, one round nut socket and one screw driver socket. Shpg. wt. 1 lb.  
**XP15111—**  
**Your Cost..... 55¢**

## All Steel Wrench Set



Comprises five interchangeable sockets 1/4", 3/8", 1/2", 9/16" and screw driver bit. Cadmium plated. Knurl handle. Shpg. wt. 1 lb.  
**XP14749—**  
**Your Cost..... 43¢**

## SPIN TYPE Socket Wrenches. Straight and Offset Types



### 6" Straight

**XP15203—**For 1/4" hex. nuts  
**XP15051—**For 1/4" hex. nuts  
**XP15052—**For 3/8" hex. nuts  
**XP15053—**For 1/2" hex. nuts  
**XP15054—**For 5/8" hex. nuts  
**XP15204—**For 1 1/2" hex. nuts

**Your Cost, Any Size..... 12¢**

**XP15205—**For set of 6..... 65¢

### 7" Offset Type

**XP15206—**For 1/4" hex. nuts  
**XP15207—**For 1/4" hex. nuts  
**XP15208—**For 3/8" hex. nuts

**Your Cost, Any Size..... 16¢**

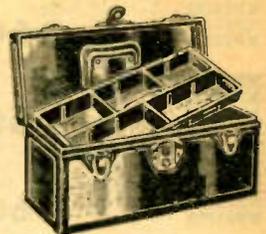
### 9" Straight

**XP15209—**For 1/4" hex. nuts  
**XP15107—**For 1/4" hex. nuts  
**XP15109—**For 3/8" hex. nuts  
**XP15108—**For 1/2" hex. nuts  
**XP15110—**For 5/8" hex. nuts  
**XP15210—**For 1 1/2" hex. nuts

**Your Cost, Any Size..... 16¢**

**XP15211—**For set of 6..... 85¢

## Utilco "Utility" Tool Boxes



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, finished in olive green. Matched hardware. Size 14x6 1/2 x 6". Shpg. wt. 6 lbs.

**XP14870—**  
**Your Cost..... 78¢**

## KESTER Radio Solder



Preferred by radio men everywhere. Will not spatter. Makes clean joints. Servicemen and other large users will find it more economical to buy their solder this way.

### ROSIN CORE

**XP14857—**Per Tin  
**Your Cost..... 15¢**  
**XP14858—**1 lb. Spool  
**Your Cost..... 56¢**  
**XP14859—**5 lb. Spool  
**Your Cost..... \$2.65**

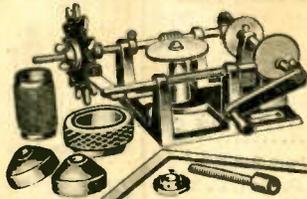
### ACID CORE

**XP14878—**Per Tin  
**Your Cost..... 15¢**  
**XP14877—**1 lb. Spool  
**Your Cost..... 56¢**  
**XP14879—**5 lb. Spool  
**Your Cost..... \$2.65**

### ALUMINUM SOLDER

**XP14876—**Per Tin  
**Your Cost..... 17¢**  
**XP14845—**1 lb. Spool  
**Your Cost..... \$1.80**

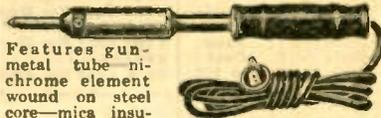
## Universal Coil Winder



Will wind Honey Comb, Spiderweb, or Solenoid coils of various widths and diameters. Equal in appearance to factory made coils. Includes all accessories necessary for winding the various types. Has recorder and indicator that counts turns. Black enamel finish. Shpg. wt. 6 lbs.

**XP14725—**List \$7.50  
**Your Cost Each..... \$4.35**

## Thutest De Luxe Electric Soldering Irons



Features gun-metal tube nichrome element wound on steel core—mica insulation both on core and between element and barrel—spring cord protector—approved wire and rubber plug—fibre terminal with cord tied to terminal (not knotted or taped). Shpg. wt. 3 lbs.

**XP15180—**75 watt, 110 volt  
**Your Cost..... \$1.59**  
**XP15197—**Same for 220 volt..... \$1.69  
**XP15182—**100 watt, 110 volt  
**Your Cost..... \$2.25**  
**XP15198—**Same for 220 volt..... \$2.50  
**XP15184—**150 watt, 110 volt  
**Your Cost..... \$3.45**  
**XP15199—**Same for 220 volt..... \$3.75

## Jackson Soldering Iron

This is a full size soldering iron. 11" in length. Black enamel handle and nickel plated metal case. Removable tip 1/8" in diameter. 50 watt iron. Shipping weight 2 lbs.

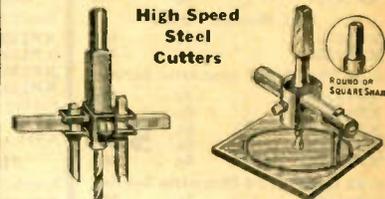
**XP14850—**List \$1.25  
**Your Cost..... 65¢**

## High Quality Soldering Iron Tips

**XP15175—**Tip for our No. XP14874  
**Your Cost Each..... 20¢**

**XP15176—**Tip for our No. XP15184  
**Your Cost Each..... 25¢**

## Circle Cutters



No. 1

No. 5

For cutting holes in wood, bakelite, hard rubber, tin, sheet metal, etc. May be used in hand drill or brace. No. 1 has extra beading cutter; No. 5 is for heavy duty work and comes with square or round shank (specify type); No. 2 is standard. Ideal cutting tools for all Radio and Automobile Mechanics, Carpenters, Electricians, Plumbers and Engineers. All cutting bits are of high speed steel. Shpg. wt. 2 lbs.

**XP14717—**No. 1 Cuts 1 to 4" diam. holes.  
**XP14734—**No. 5 Cuts 1 to 5" diam. holes.

**Your Cost Each, Either Type..... \$1.88**

**XP14718—**No. 2 Cuts 1 to 4" diam. holes.  
**Your Cost, Each..... \$1.15**

**XP14716—**Extra Blades  
**Your Cost Each..... 24¢**

## ESICO "Special" Iron



Heating element is of nichrome wire. Handle is of black wood. Steel shank and brass ferrule. 55 watts. Shpg. wt. 3 lbs.  
**XP14849—**Your Cost, with Extra Tip..... **79¢**

## Standard Esico Soldering Irons



Wound with Grade A nichrome wire. Have heavy steel cases and heat proof handles. Shpg. wt. 3 lbs.

### MIDGET MODEL

**XP14848—**  
 65 watt, 110 volt  
**Your Cost..... \$1.25**

### JUNIOR MODEL

**XP14854—**  
 85 watt, 110 volt  
**Your Cost..... \$1.88**

## Heavy Duty Irons



Extra heavy irons designed especially for industrial or shop use. Heating element and all parts are renewable. Tip removable. Metal parts nickel plated. Extra large handle. Shpg. wt. 2 lbs.

Stock No.	Watts	List Price	Your Cost
<b>XP14874</b>	75	\$2.75	\$1.45
<b>XP14853</b>	100	3.75	1.85

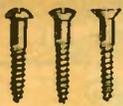
## ICA Soldering Iron Holder and Stand



All metal construction, lined with asbestos. Also acts as stand for iron. Iron nests in holder. Shpg. wt. 3 lbs.  
**XP15231—**Your Cost..... **73¢**

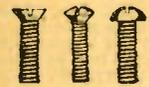
Mail Your Orders to NEW YORK or ATLANTA

**Nickel Plated Brass**



**Wood Screws,  
Round, Flat  
and Oval Head**

Stock No.	Size	Length	Doz.	Gr.
XP14780	4	3/8"	4c	40c
XP14781	5	1/2"	5c	50c
XP14782	6	3/4"	6c	60c
XP14783	5	1"	8c	
<b>Round Head</b>				
XP14790	4	3/8"	4c	40c
XP14791	5	1/2"	5c	50c
XP14792	6	3/4"	6c	60c
XP14793	5	1"	8c	
<b>Oval Head</b>				
XP14796	4	3/8"	4c	40c
XP14797	5	1/2"	5c	50c
XP14798	6	3/4"	6c	60c
XP14799	5	1"	8c	
<b>Flat Head</b>				



**Nickel  
Brass  
Machine  
Screws**

Stock No.	Length	Doz.	Gross
XP14750	3/8"	3c	30c
XP14751	1/2"	4c	38c
XP14752	3/4"	5c	50c
XP14753	1"	5c	50c
XP14754	1 1/4"	6c	65c
<b>6-32 Round Head</b>			
XP14755	3/8"	4c	40c
XP14756	1/2"	5c	48c
<b>8-32 Round Head</b>			
<b>6-32 Flat Head Machine Screws</b>			
XP14760	3/8"	3c	30c
XP14761	1/2"	4c	38c
XP14762	3/4"	5c	50c
XP14763	1"	5c	50c
XP14764	1 1/4"	6c	60c
<b>6-32 Oval Head Machine Screws</b>			
XP14770	3/8"	3c	30c
XP14771	1/2"	4c	38c
XP14772	3/4"	5c	50c
XP14773	1"	5c	50c
XP14774	1 1/4"	6c	60c

**Hex Nuts, Knurled Nuts,  
Washers'  
Nickel  
Brass**

XP14804—6-32x1/4" Hex Nuts. Envelope of 20; Net. Per 100.	5c	20c
XP14805—8-32x1/4" Hex Nuts. Envelope of 20; Net. Per 100.	5c	20c
XP14806—6-32x3/8" Hex Nuts. Envelope of 16; Net. Per 100.	5c	25c
XP14807—8-32x3/8" Hex Nuts. Envelope of 16; Net. Per 100.	5c	25c
XP14808—6-32x3/8" Knurled Nuts—Envelope of 6; Net. Per 100.	5c	75c
XP14809—No. 6 Washers. Envelope of 25; Net. Per 100.	5c	20c
XP14810—No. 8 Washers. Envelope of 25; Net. Per 100.	5c	20c

**Self Tapping Screw  
Assortment**

Box of 40 assorted self tapping screws. These screws are used in many modern receivers. Require no nut.  
XP14687—Your Cost.....**29c**

**Fancy Head Bronze  
Finish Screws  
For Mounting Speakers,  
etc.**

Stock No.	Size	Length	Doz.	Gross
XP14680	6-32	3/4"	9c	<b>95c</b>
XP14681	6-32	1"	9c	
XP14682	6-32	1 1/4"	10c	<b>1.00</b>
XP14683	8-32	3/4"	10c	
XP14684	8-32	1"	10c	
XP14685	8-32	1 1/4"	14c	\$1.50

**Radio Hardware**

**Upright Clip  
Mount**

XH9812— Each.....**5c**  
Per Doz.....**50c**

**Rubber  
Grommet Type**  
XF6476— Each.....**5c**  
Per Dozen.....**50c**

**Adjustable  
Bracket Type**

Slot in bracket for adjusting.  
XP15007— Your Cost.....**5c**  
Per Dozen.....**55c**

**Insulating Washers**



**Extruded Washer, Fibre**  
Stock No. O. D. I. D. Thick  
XP15020 1 3/8" 3/8" 1/8"  
XP15021 1 1/2" 3/8" 1/8"  
XP15022 1 3/4" 3/8" 1/8"  
XP15023 1 7/8" 3/8" 1/8"  
XP15023 2" 3/8" 1/8"  
Either type, package of 10.  
Your Cost.....**15c**

**Flat Washer, Bakelite**  
Stock No. O. D. I. D. Thick  
XP15030 3/4" 3/8" 1/8"  
XP15031 1" 3/8" 1/8"  
XP15032 1 1/4" 3/8" 1/8"  
XP15032 1 1/2" 3/8" 1/8"  
Either type, package of 10.  
Your Cost.....**9c**

**Tinned Brass Lugs**



All have No. 8 hole which will fit either No. 6 or 8 screws. Shpg. wt. 6 oz.  
XP14812—Style No. 1 Your Cost Per 100 Any Type  
XP14813—Style No. 2  
XP14814—Style No. 3  
Solderless.  
XP14816—Style No. 4 3/8" long.  
XP14818—Style No. 5 1/2" long.  
**18c**

**Shakeproof Washers**

XP14758—To pass No. 6 screw.  
XP14759—To pass No. 8 screw.  
Either Type Envelope of 25 Net.....**10c**

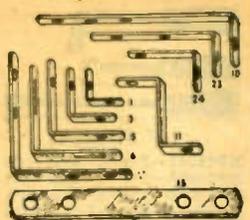
**Mounting Lugs**

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.  
XP14955—Your Cost Per 10.....**6c**  
Your Cost per 100.....\$0.40

**Tapered Lugs**

Will fit over all diameters of screws up to No. 10. Shank fits banana plugs. Width of lug 1/4", length 1 1/4". Bridge in barrel for easy soldering.  
XM12954—Your Cost Per Dozen.....**12c**  
50 for.....\$0.40

**Angle Brackets**



Brass, nickel plated. Width 3/8".  
Stock  
No. No. Size Net, per Pair  
XP14895 1 1 1/2x1 1/2 2c  
XP14896 3 1 1/2x3/8 3c  
XP14897 5 1x1 4c  
XP14898 6 1 1/2x1 1/2 5c  
XP14899 7 1 1/2x1 1/2 7c  
XP14900 10 3/4x2 1 3c  
XP14901 11 3/4x2 1 3c  
XP14902 15 3" long 7c  
XP14903 23 3" x 1 1/2" 6c  
XP14904 24 3/2x3/8 3c

**Trans-  
former  
Brackets  
for Audio  
and  
Power  
Transformers**  
Ideal for mounting all types. Center-to-center dimensions given in illustration.  
XP14839 No. 18. 2 for.....**10c**  
XP14840—No. 25. 2 for.....**15c**  
XP14841—No. 26. 2 for.....**20c**

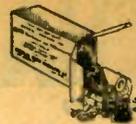
**FAHNESTOCK Clips**

XP14823—Single 3/4". Your Cost Per Dozen.....**10c**  
XP14824—Single 1". Your Cost Per Dozen.....**12c**  
XP14825—Twin 1 1/2" long. Your Cost Per Dozen.....**25c**  
XP14826—Twin 1 3/4" long. Your Cost Per Dozen.....**28c**

**Rubber  
Grommet  
Assortments**  
Kit "A" contains 12 assorted grommets in 4 sizes—3/8" to 1/2"  
XP14794—Your Cost.....**9c**  
Kit "B" contains 30 assorted grommets in 5 sizes—1/4" to 1/2"  
XP14795—Your Cost.....**24c**

**Insulated Screen  
Grid Caps**  
Wellinsulated. Available in Red, Black, Green, Purple and Yellow. Specify color desired on order.  
Complete with 8" leads.  
XP14712—Your Cost Each.....**8c**

**Easy Solder  
Type**  
Insert wire, drop solder in hole. Brass, Nickel Plated. Shipping weight 6 ozs.  
XP14882—Per 10.....**8c**



**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. Shpg. wt. 1 lb.  
XP14803—Your Cost.....**95c**

**100-Piece Screw Assortment**  
Contains 100 assorted round head machine screws, nuts and washers, size 6-32.  
XP14847—Your Cost.....**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 serviceman should be without. Shpg. wt. 1 lb.  
XP14838—Your Cost Each.....**24c**

**Switch Points and Stops**

XP14784—Points.  
XP14785—Stops.  
Either Type Per Doz.....**8c**

**Handy Hardware  
Assortment**

**45c**  
2 lb. Kit  
 ASSORTED HARDWARE

A big assortment for the serviceman, of assorted screws, nuts, washers, eyelets, lugs, brackets, etc. (3 3/4 pounds). Something of everything in the way of small parts used in radio receivers. Shpg. wt. 5 lbs.  
XP14834—Your Cost.....**70c**  
Same as above, but contains 2 lbs. of hardware. Shpg. wt. 3 lbs.  
XP14844—Your Cost.....**45c**

**Fibre Washers**

A handy assortment for the serviceman. Contains various sizes of holes that shouldered and plain fibre washers in cardboard box. 100 pieces. Shpg. wt. 8 oz.  
XP14832—Your Cost Per Box.....**24c**

**NATIONAL S. G. Clip**

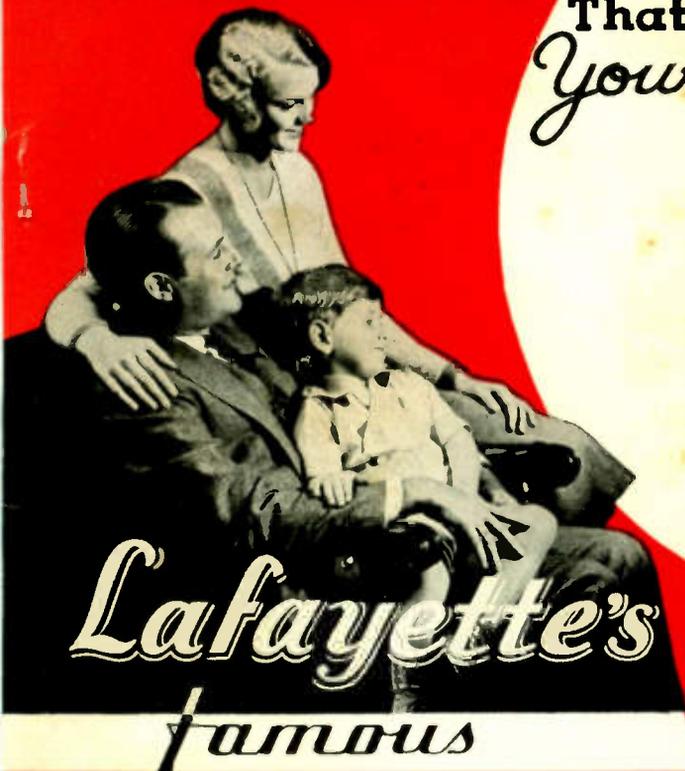
Makes a positive grip on tube cap.  
XP14434—Your Cost Each.....**3c**

**Screen-Grid Clip**

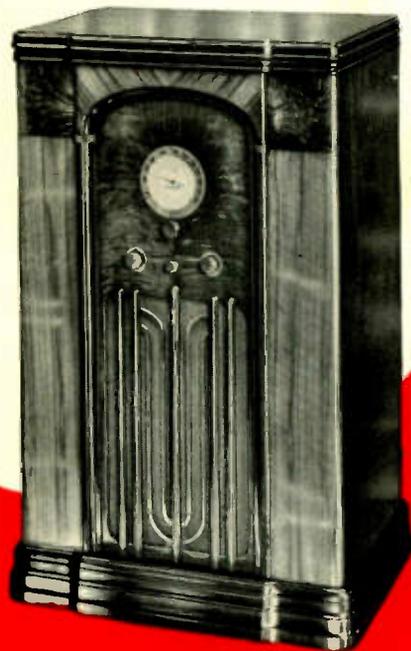
Manufacturers type Brass, tinned for easy soldering. Shpg. wt. 6 ozs.  
XP14827—Your Cost, Each.....**1c**  
Per Dozen.....**10c**  
Per Gross.....**\$1.00**

# IN YOUR OWN HOME!

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



*Lafayette's*  
*famous*



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

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

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

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

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

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

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

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

*The Largest Radio Mail Order House in the World*

# Refrigerator

## REPLACEMENT PARTS



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